

CLO/HED# 1.1-1

Criterion #. 6.1.1.7

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

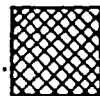
MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



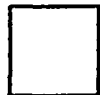
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

8701070391 861230
PDR ADDCK 05000315
P PDR

CLO/HED# 1.1-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

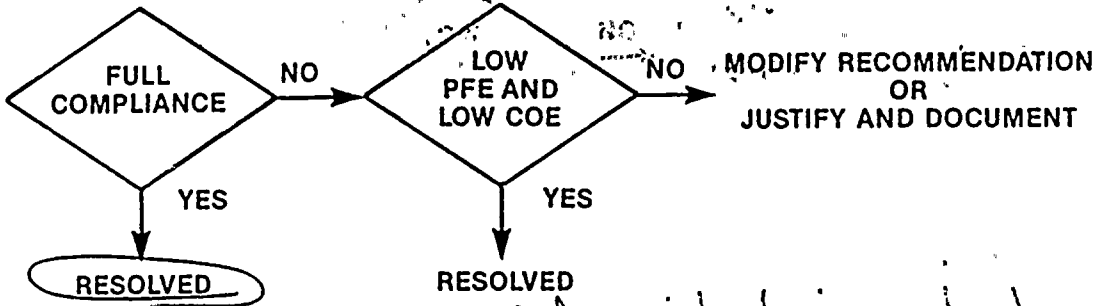
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Administrative controls are in place. The unit supervisor who is in the CR during a given shift can clear the CR of all non-essential personnel. Administrative controls will be enforced and upgraded.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/22/85
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 11/1986

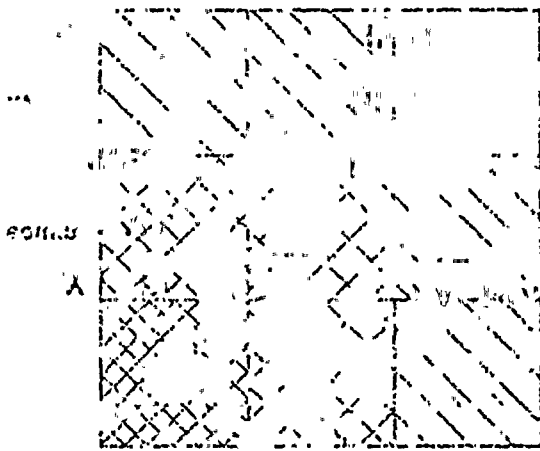
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HIGH

MEDIUM

LOW

... ..

HIGH

MEDIUM

LOW

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CLO/HED# 1.1-2

Criterion #: 6.1.5.7a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

DISPOSITION RECORD

DATE OF REVIEW ACTIONS

DATE

OTHER

Yes

LOW MEDIUM HIGH
 LOW MEDIUM HIGH

MODIFY RECOMMENDATION
 OR
 JUSTIFY AND DOCUMENT



DATE 10/29/82
 DATE 11/82

CLO/HED# 101-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

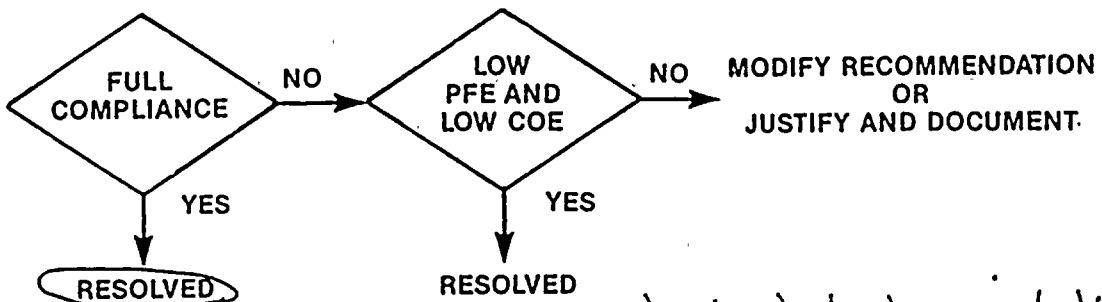
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Carpeting is to be installed in the CR. Also investigating replacing the mats in front of the panels with type suggested in potential backfit. 9/30/85 - Carpeting was installed early '86 and mats were determined to be unnecessary since carpeting has some padding.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 10/22/85

AEPSC PROGRAM LEAD ENGINEER

[Signature]

DATE 11/19/86

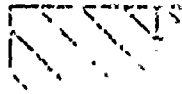
GENERAL RECORD

LOW MEDIUM HIGH

LOW MEDIUM HIGH

1961

1962



4

ON 1961

ON 1962

CLO/HED# 1.1 -3

Criterion # 6.1.5.7.b (1)(2)(3)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

DATE

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CLO/HED# 1.1-3

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

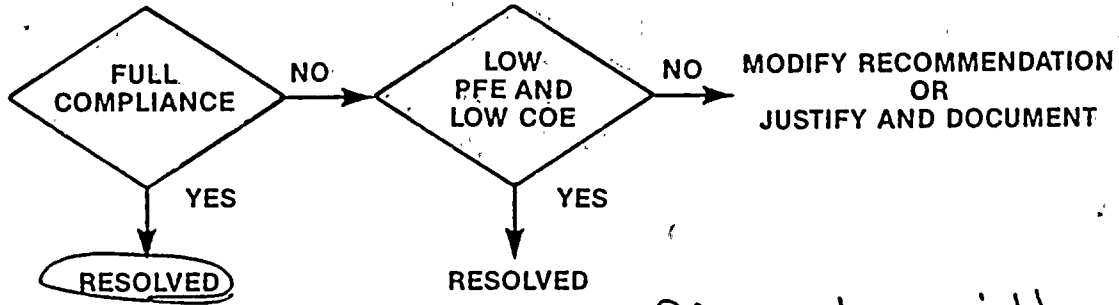
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION A PA speaker will be installed in restroom. A door lock and dead bolt will be installed so restroom can be used by male and female operators, and room will be restricted for use by operators only.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/22/85
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 11/9/86

W22
1972



CLO/HED# 1.1-4





Criterion# 6.1.3.1a
6.1.3.1b

ASSESSMENT RECORD

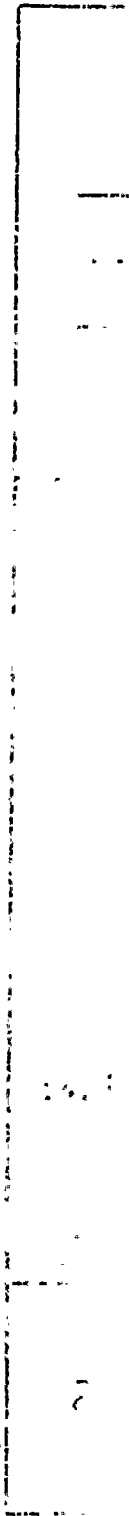
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM **LOW**

CONSEQUENCE OF ERROR (COE) HIGH **MEDIUM** LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 1.1-4

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

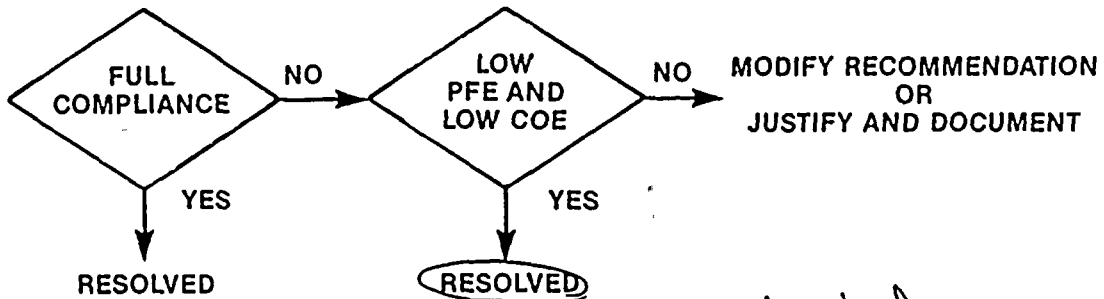
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION There's a dedicated communications link between CR + SS office. SS has a key to bypass the locked door, any delay would be minimal. A unit supervisor is always on shift in the CR.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 10/22/85

AEPSC PROGRAM LEAD ENGINEER

[Signature]

DATE 11/1986

20



CLO/HED# 1.1-4

Criterion# 6.1.3.1a
6.1.3.1b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

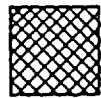
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



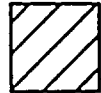
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV

CLO/HED# 1.1-5

Criterion # 6.2.1.2 b5
6.1.1.3 C1

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

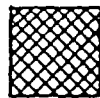
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



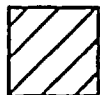
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

CLO/HED# 1.1-5

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

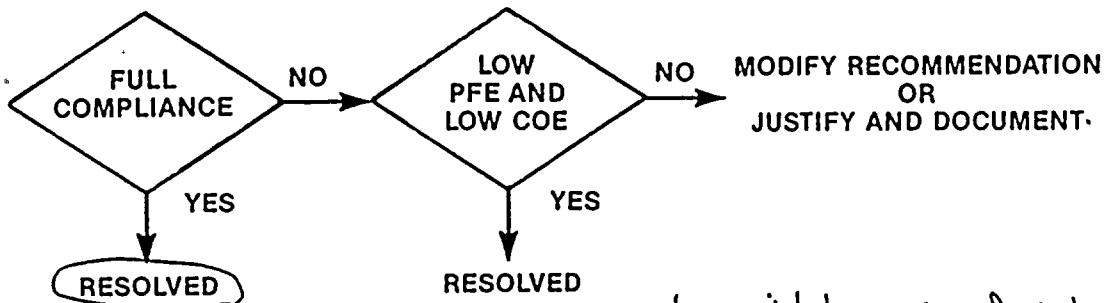
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION The mats will be fixed (also see HED# 1.1-2). The metal plate has been recessed flush with floor and box has been replaced with table. The possibility of retractable phone cords will be investigated.

9/30/86 The mats have been replaced with carpet. Phone cords are not now a problem.

SIGNOFF

H.F. CONSULTANT (ESSEX) T

DATE 10/22/85

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 1/19/86



CLO/HED# 1.1-6

Criterion# 6.1.2.7 db

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 1.1-6

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

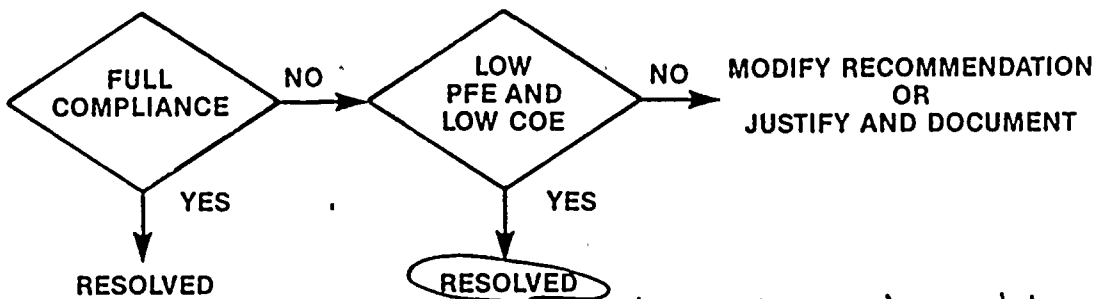
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION Operators do not need to sit close-in to console, no modification recommended by HF consultant.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/21/85
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 11/1986



CLO/HED# 1.1-7

Criterion # 6113 e1

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

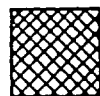
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



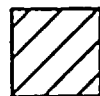
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 1.1-7

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

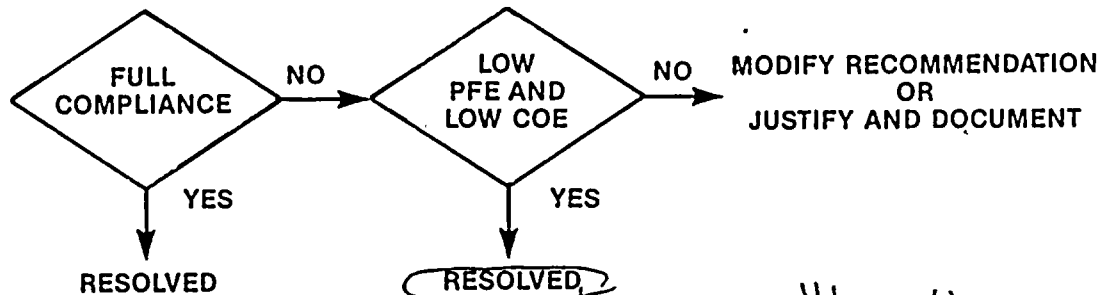
PENDING	DATE
<input type="checkbox"/> FURTHER REVIEW BY _____	_____
<input type="checkbox"/> FURTHER REVIEW BY _____	_____
<input type="checkbox"/> FURTHER REVIEW BY _____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION Distance is 5" less than recommended 36", but is adequate given the limited periods of time for which the computer operator's console is used.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 01/22/85
AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 11-8

Criterion# 6113 g

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

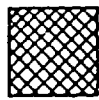
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.1-8

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

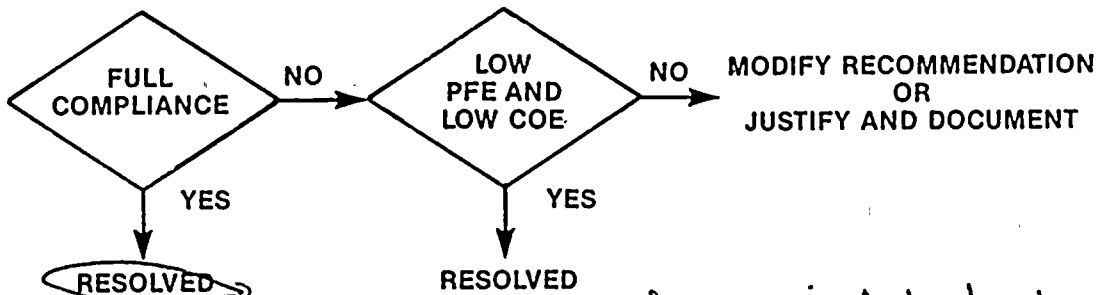
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Removed equipment holes have been covered, and the doors will be replaced on trend recorders. A cover will be considered for the keyboard, especially for noise abatement. Communication and test jacks not considered a problem on vertical panels, i.e. not a violation of guidelines.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/22/85
AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86



CLO/HED# 1.1-9

Criterion# 6114a2

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

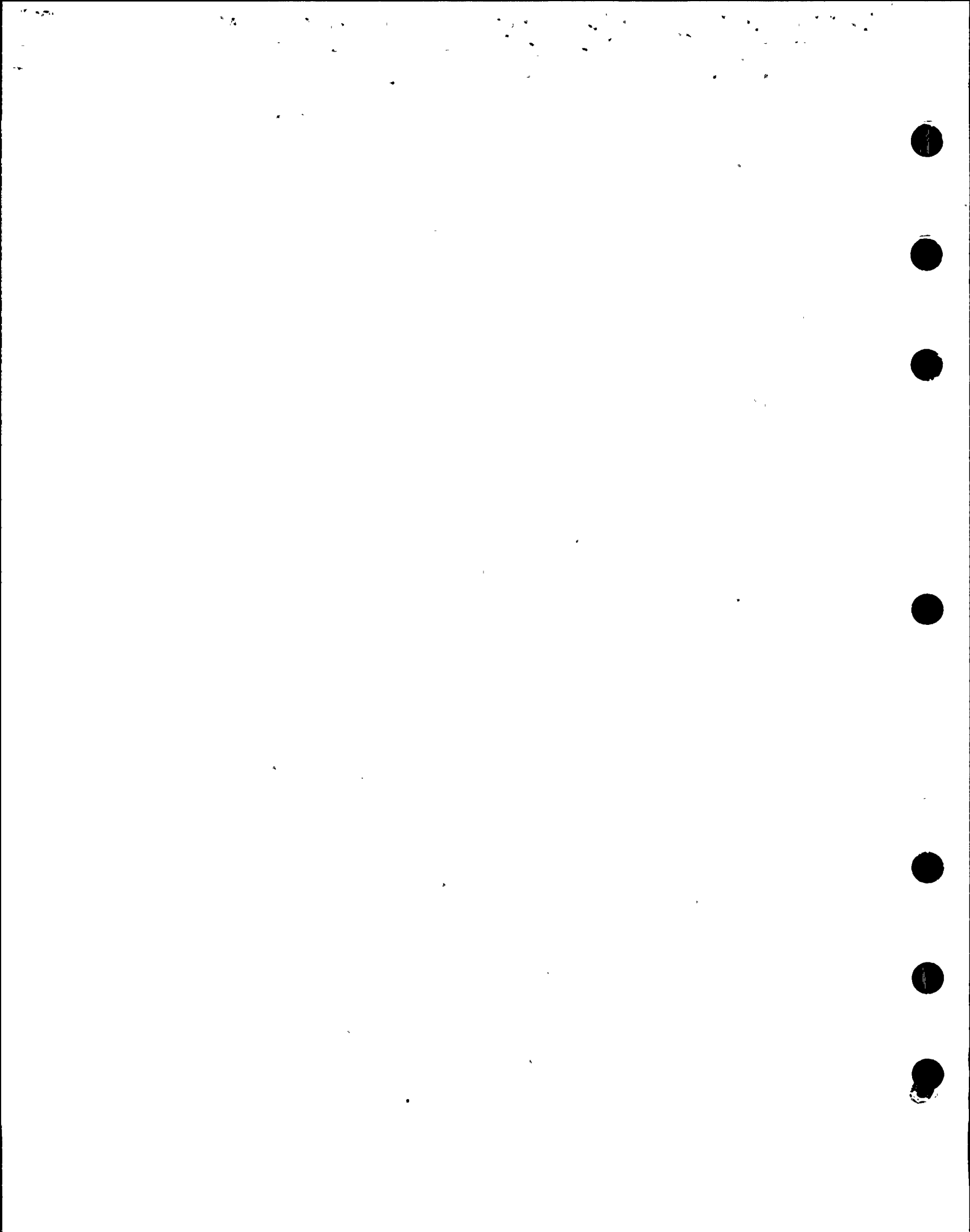


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 11-9

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

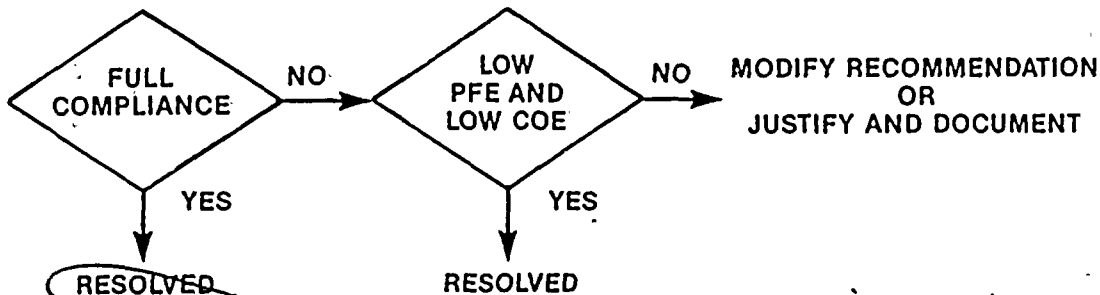
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION New EOPs + AOPs will be put on a roll around cart. Other reference materials will be labeled and stored in a permanent place. 9/30/86 - Has been done.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 10/22/85

AEPSC PROGRAM LEAD ENGINEER

RAS

DATE 11/19/86

CLO/HED# 1.1-10

Criterion# 611461

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

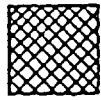
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

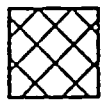
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



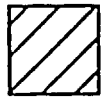
Category I --

High priority; corrective action should be taken.



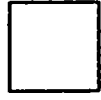
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 1.1-10

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

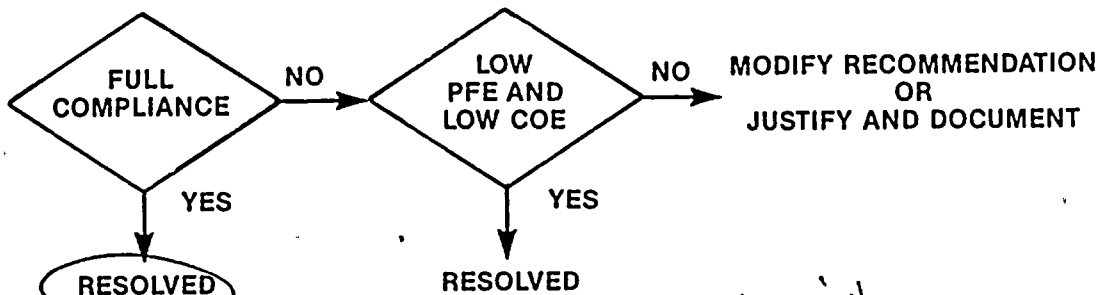
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Documents will be appropriately labeled.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/22/85

AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/9/86



CLO/HED# 1.1-11

Criterion # 6114C2

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

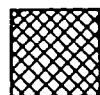
Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



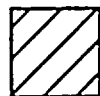
Category I --

High priority; corrective action should be taken.



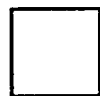
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 1.1-11

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

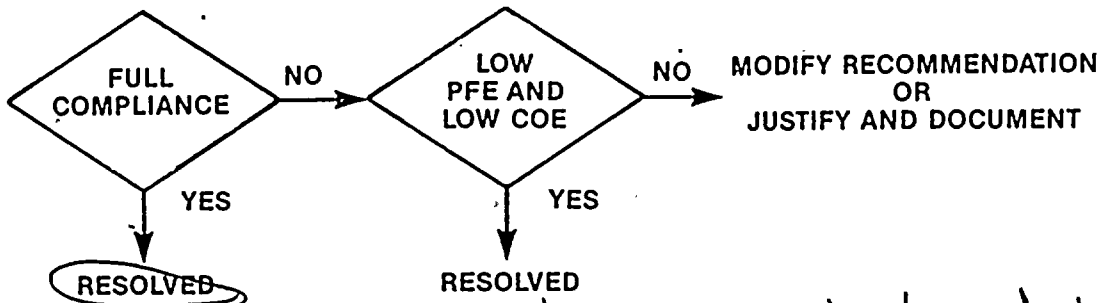
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Storage space has been doubled, procedures now bound fairly loosely. Bookmarks have been provided to prevent loss of place. Computer manual does not have to be accessed regularly.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/21/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/9/86



CLO/HED# 1.1 - 12

Criterion # 6114d

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 1.1-12

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING DATE

FURTHER REVIEW BY _____

FURTHER REVIEW BY _____

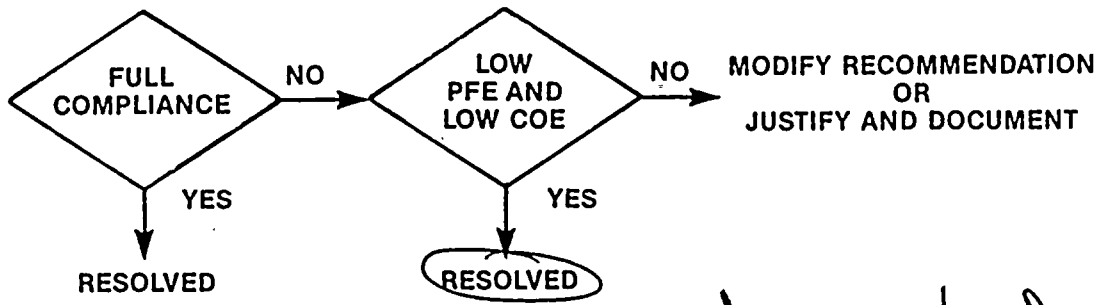
FURTHER REVIEW BY _____

DISPOSITION

APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION Documents are replaced frequently so they do not become loose, dog-eared, or dirty

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/22/85

AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLO/HED# 1.1-13

Criterion # 6128 g

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 1.1-13

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

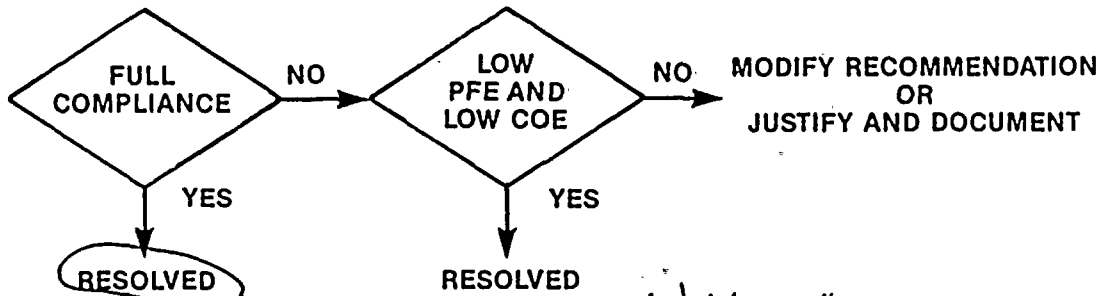
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Chairs adjustable to 17" above floor. When new chairs are bought in about 2 years, they will comply to guideline recommendations, i.e. will have footrests if not adjustable down to within 18" above floor.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/14/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/1986

CLO/HED# 1.1 - 14

Criterion # 6.1.2.8.0.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 1.1-14

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

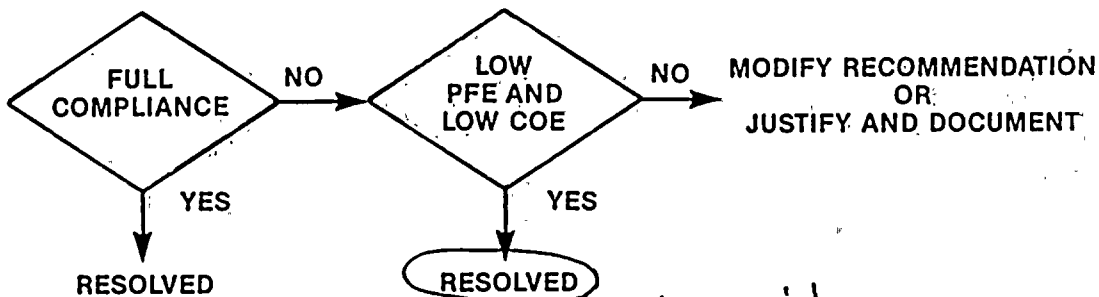
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION Only the unit supervisor's chair now has arm rests. Arm rests are considered a potential hazard for accidental activation. Would now not have any chairs with arm rests.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____ DATE 10/22/85
 AEPSC PROGRAM LEAD ENGINEER RFS _____ DATE 11/19/86



CLO/HED# 1.1-15

Criteria 1284

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM **LOW**
 CONSEQUENCE OF ERROR (COE) HIGH **MEDIUM** LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.1-15

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

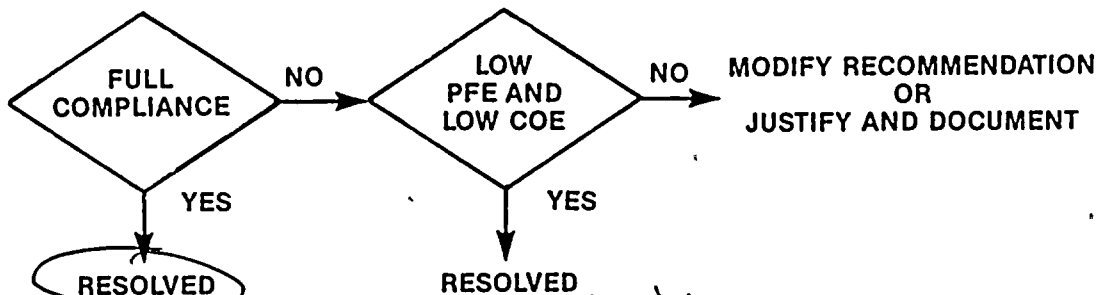
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Plant will buy one chair adjustable down to 15" for each CR and next time (in 2 yrs) chairs are replaced, they will comply with guideline recommendations

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/22/85
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 11/19/86



CLO/HED# 1.2-1

Criterion #: 6.1.2.5a(1) & (2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 1.2-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

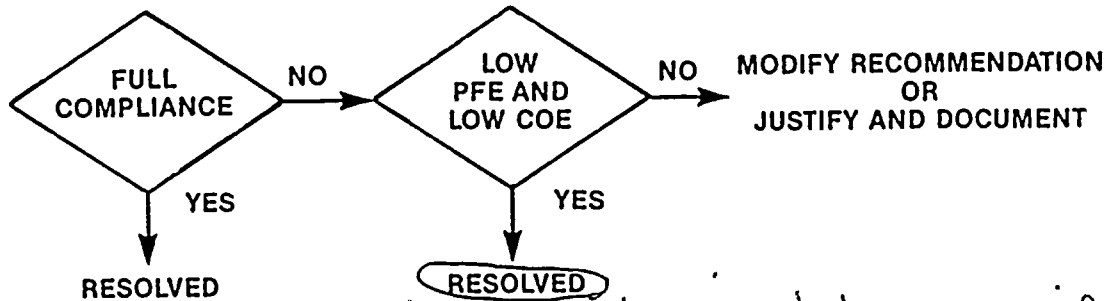
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION *All identified controls were considered for criticality, frequency of use, need for precision, and feasibility of rearrangement. Consequently, design is in process for rearrangement of SG, AFW, SPK, RHR, BA, VS, and IV controls. It is not necessary or not feasible to rearrange the remaining controls.*

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. [Signature]

DATE 9/30/86

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/19/86

CLO/HED# 1.2-2

Criterion#: 6.1.2.5b(1) & (2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 1.2-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

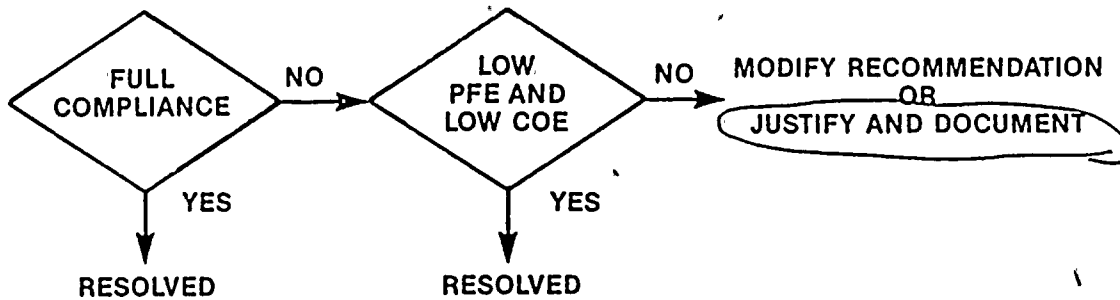
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION *The more critical displays were considered for re-arrangement, but it was found to be infeasible due to a lack of room. The usability of the displays will be improved by replacing scales, improving lighting, and coding operating bands. The most frequently used displays are tilted forward at 15 degree and in several places oversized indicators are used.*

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

DATE 9/30/86

AEPSC PROGRAM LEAD ENGINEER _____

DATE 1/19/86

CLO/HED# 1.3 - 1

Criterion # 6.1.4.3 a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

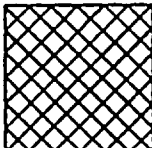
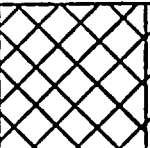

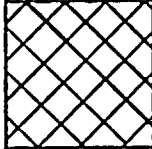
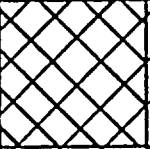

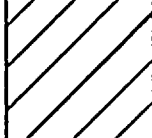


MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error
High
Medium
Low

High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 1.3-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

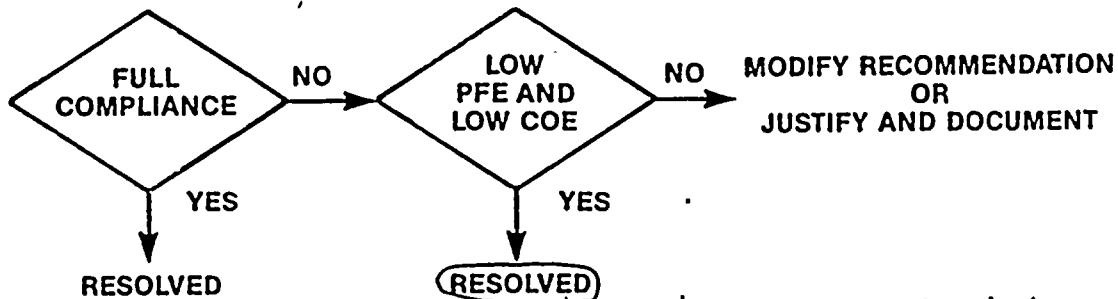
- FURTHER REVIEW BY AEPSC / D.C. Cook 10/15/85
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION,
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION Plant security requires that doors fail closed, however, several keys are readily available including ones in SS office and CR. A scott Air Pack is now in each CR, the rest are stored right outside CR.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/19/86



CLO/HED# 1.3-2

Criterion #: G.1.4.1d

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error
High
Medium
Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 1.3-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

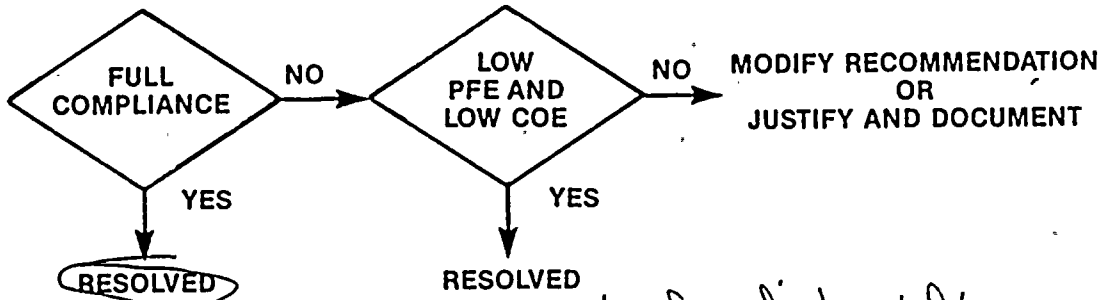
- FURTHER REVIEW BY D.C. Cook Operations 11/15/85
- FURTHER REVIEW BY D.C. Cook Operations 12/10/85
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION 8 sets of radiological emergency equipment is stored in the CR area. In case of a CR fire, CR operators would evacuate area and go to Hot Shutdown Panel. CR operators are not on the fire brigade. Shoe covers come in only one size which is large enough to fit everyone.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 9/30/86
 AEPSC. PROGRAM LEAD ENGINEER RAS DATE 11/24/86

CLO/HED# 1.3 -3

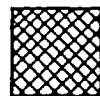
Criterion# C.1.4.16

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



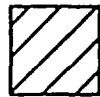
Category I --

High priority; corrective action should be taken.



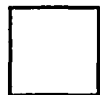
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 1.3-3

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

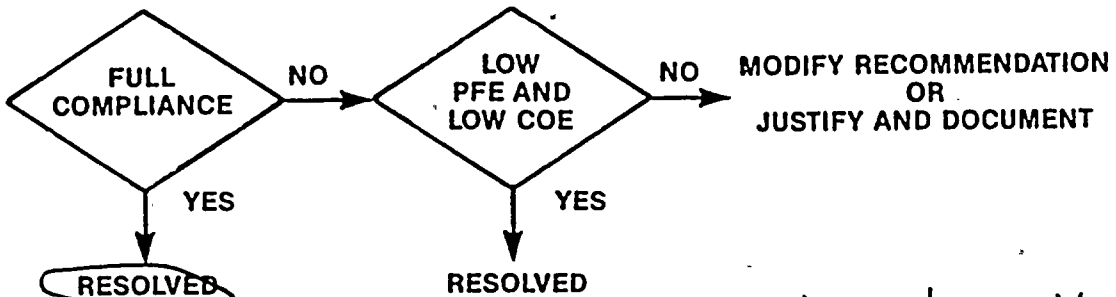
- FURTHER REVIEW BY AEPSC/D.C. Cook 10/15/85
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Training and practice will be conducted when simulator is set up.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/1/86



CLO/HED# 1.3-4

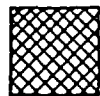
Criterion# 6.1.4.1 b
6.2.1.3 b
6.1.5.4 e

ASSESSMENT RECORD

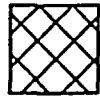
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 1.3-4

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

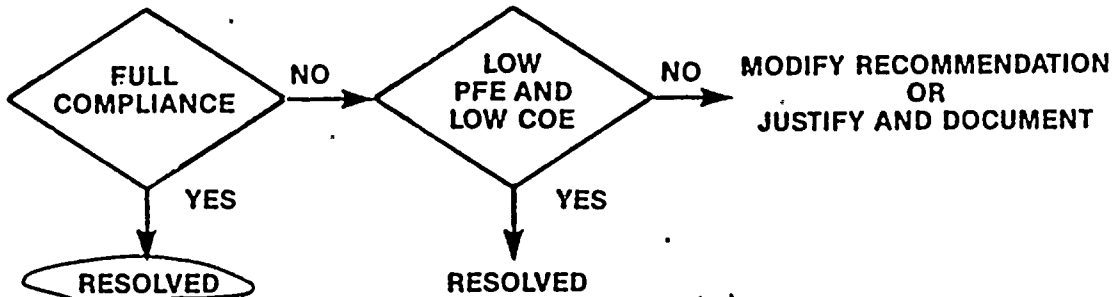
- FURTHER REVIEW BY AEPSC/D.C. Cook 10/15/85
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Capabilities for emergency communications are being reviewed and will be upgraded as necessary. Verbal communications in face masks will be included in considerations.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/3/86
 AEPSC PROGRAM LEAD ENGINEER R/S DATE 1/19/86

CLO/HED# 1.3-5

Criterion# 6.1.4.2b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 1.3-5

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

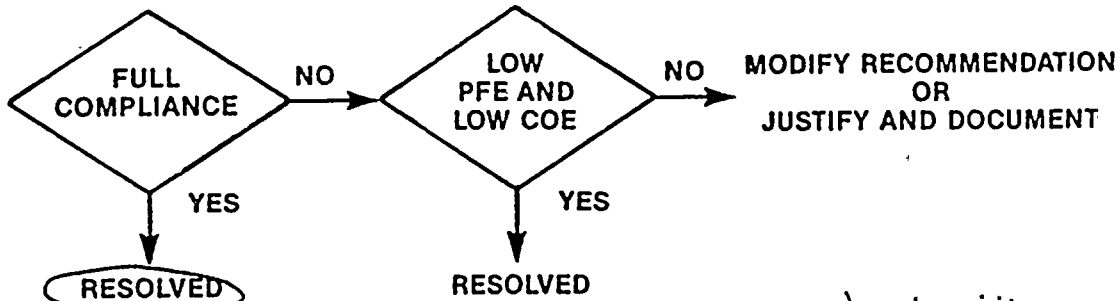
- FURTHER REVIEW BY AEPSC/D.C. Cook 10/15/85
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION D.C. Cook operations will review possible locations more accessible to control room operators for storage of radiation equipment. 9/3/86 Sixty sets of equipment are to be stored in CR area, the rest will be stored right outside CR area door. Eight sets are sufficient for CR operations crew. JY.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 1.3-6

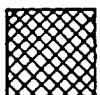



Criterion # 6.2.1.8 a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY I



CLO/HED# 13-6

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

FURTHER REVIEW BY AEPSC/D.C. Cook 10/15/85

FURTHER REVIEW BY _____

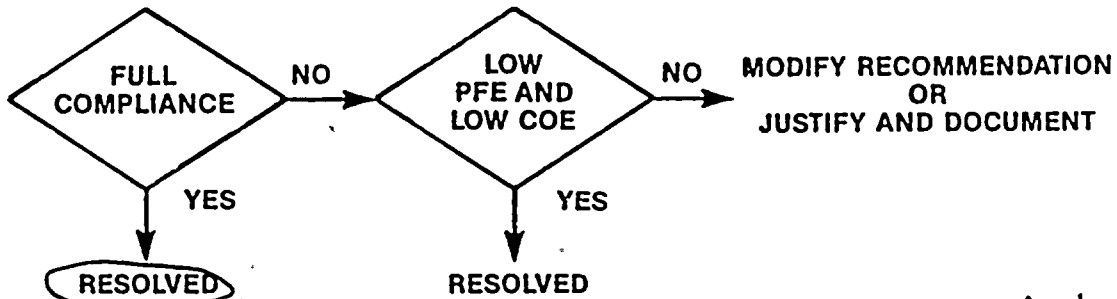
FURTHER REVIEW BY _____

DISPOSITION

APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Emergency communication equipment is being reviewed for needed improvements so that reliable communication will be ensured.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86



CLO/HED# 1.3-7





6.1.4.1c

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

CLO/HED# 1.3-7

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

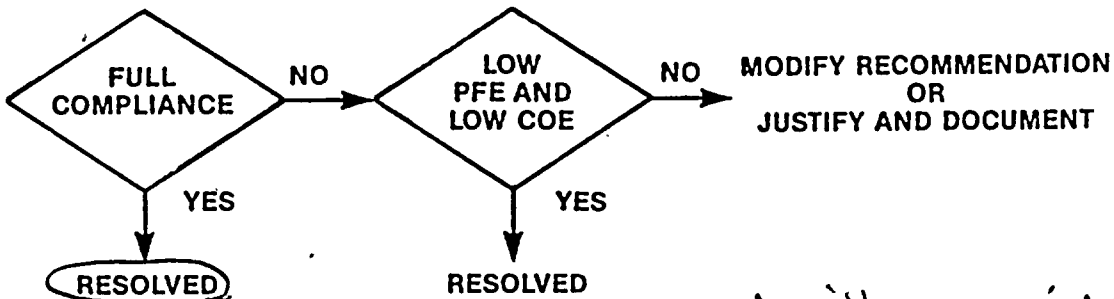
- FURTHER REVIEW BY AEPSC/D.C. Cook 10/15/85
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Equipment will be periodically checked via an inventory list.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/85

AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/19/86

CLO/HED# 1.3-8

6.1.4.1 I

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 1.3-8

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

FURTHER REVIEW BY

AEPSC/D.C. Cook 10/28/85

FURTHER REVIEW BY

FURTHER REVIEW BY

DISPOSITION

APPROVED

PARTIALLY APPROVED

NO ACTION

OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

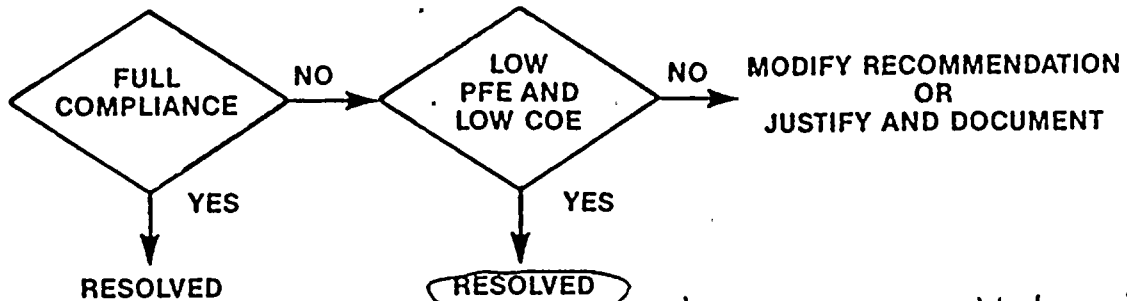
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Operators are well trained in the use of protective equipments. They receive semi annual radiological retraining and are well practiced. Written instructions for protective gear are not needed.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/19/86

CLO/HED# 1.3-9

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

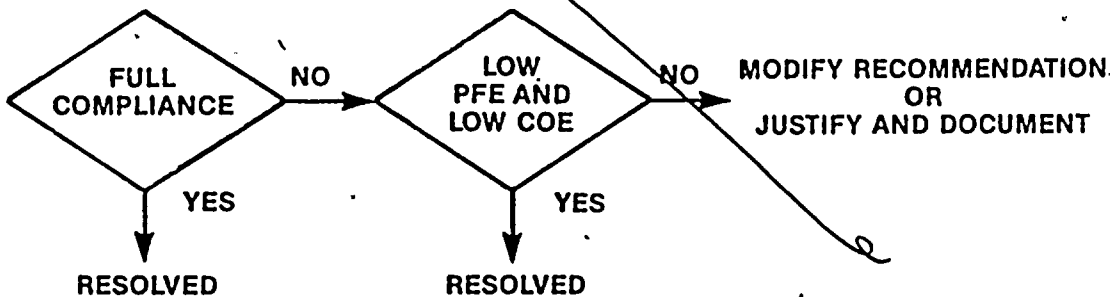
- FURTHER REVIEW BY AEPS/C/D.C. Cook 10/15/85
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION CLO is not an HED. There are written procedures which cover environmental emergencies.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLO/HED# 1.4-1

Criterion# 6.1.5.1a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 1.4-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

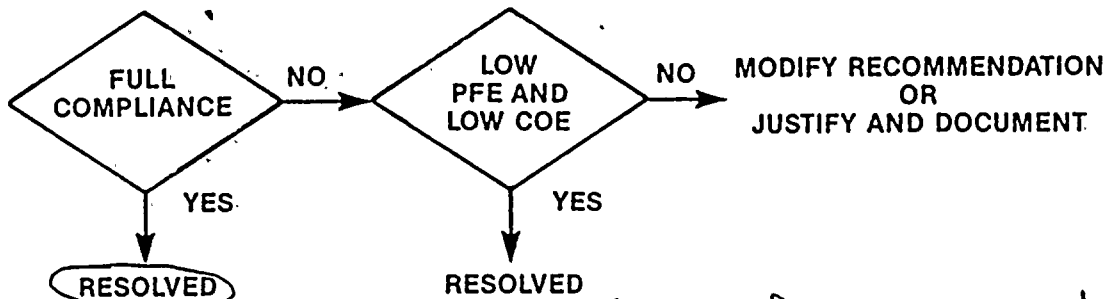
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Design and procurement is underway for obtaining separate air conditioning unit for computer room. This will allow CR thermostats to be set within guideline recommendation.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. [Signature] DATE 9/30/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/1986



CLO/HED# 1.4-2

Criterion # 6.1.5.2 b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 1.4-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

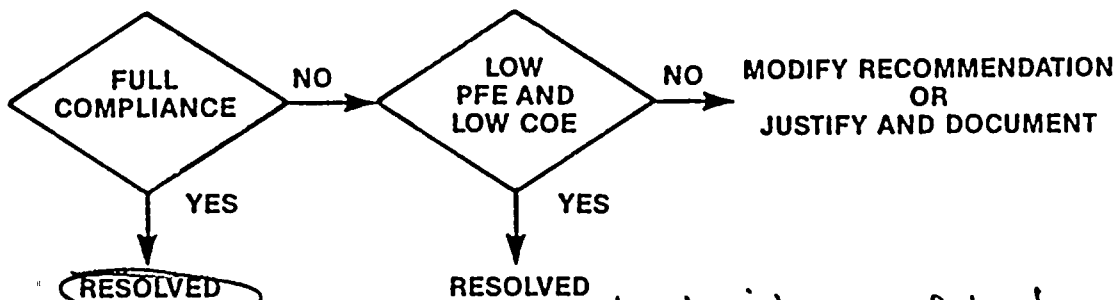
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION will look into readjusting dampers for Unit 1 so that air velocities are within guideline maximum of 45 fpm.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 11/9/86

EXPLANATION OR JUSTIFICATION (CONTINUED)

Velocities are not significantly higher than G/Ls,
damper adjustment also must consider air
flow balances and CR pressurization for 3
modes of operation. T.V.



CLOTHED# 1.5-1

Criterion# 6.1.5.3d

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

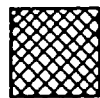
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



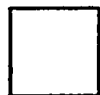
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.5-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

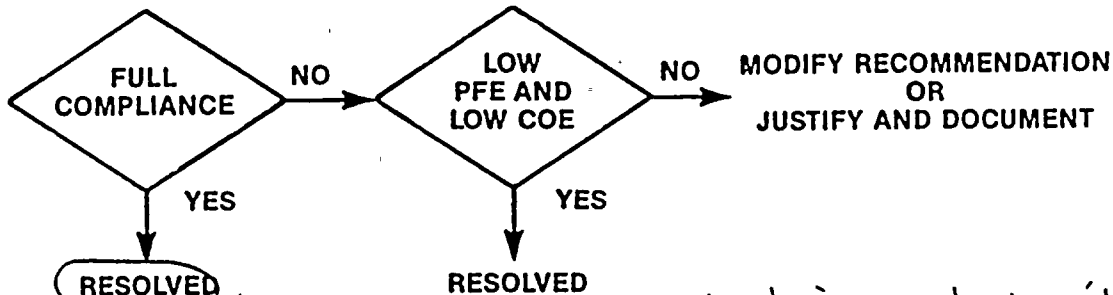
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM LOW



EXPLANATION OR JUSTIFICATION Administrative control will be established over replacement of bulbs so that bulbs will be replaced as needed.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 11/9/86

CLO/HED# 1.5-2

Criterion# 6.1.5.3 f

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 1.5-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

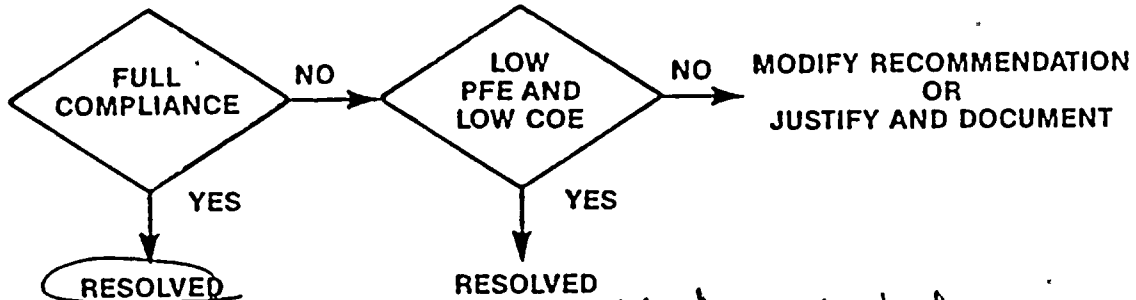
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION CR lighting including emergency lighting is being evaluated by E.E.D. Parabolic Wedge Diffusers or other appropriate modifications are being tested to reduce glare.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 9/30/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/1/86



CLO/HED# 1.5-3

Criterion# 6.1.5.3h

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) .. HIGH MEDIUM LOW
 CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



5



CLO/HED# 1.5-3

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

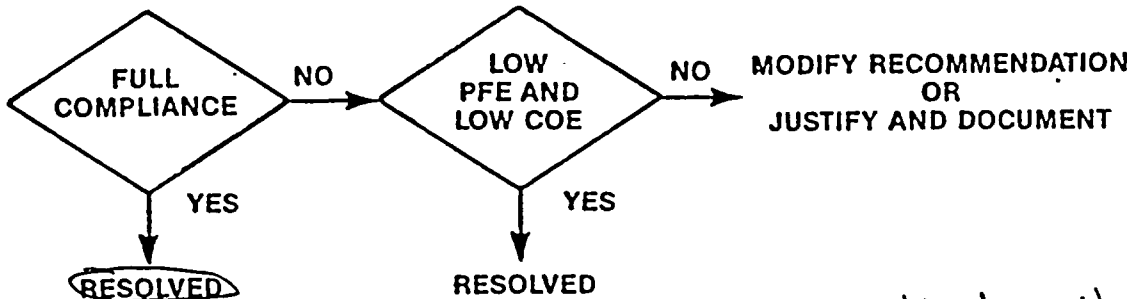
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION *During emergency lighting the front of the CR is too dark (the sides are acceptable). Another string of emergency lighting is being considered for the front portion of the CR.*

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]
 AEPSC PROGRAM LEAD ENGINEER [Signature]

DATE 10/28/85
 DATE 1/1/986

CLOIHED# 1.5-4

Criterion #6.1.5 3a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

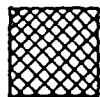
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



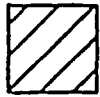
Category I --

High priority; corrective action should be taken.



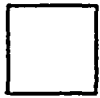
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 1.5-4

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

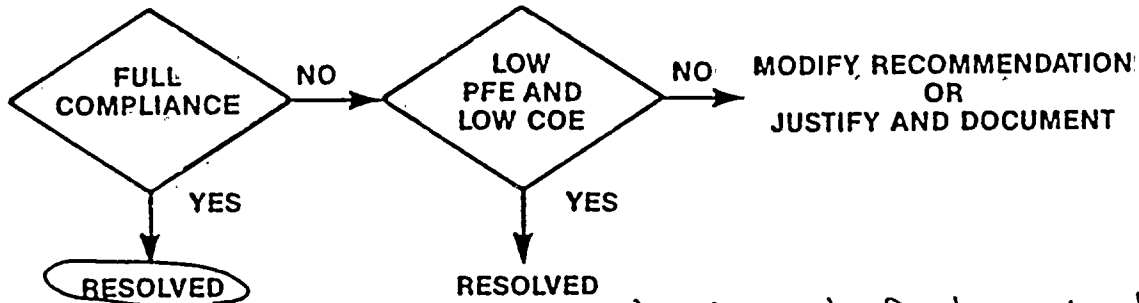
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION To achieve satisfactory lighting levels are testing diffusers, carpet CR, and try other means if necessary, EED is evaluating lighting for improvements

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 11/1986

CLO/HED# 1.5-5

Criterion#: 6.1.5.3g

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error
High
Medium
Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

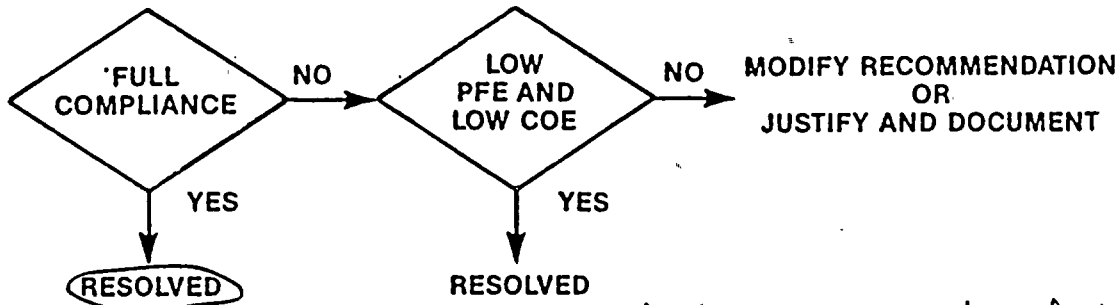
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Some desk tops have already been modified to a darker surface to reduce reflectance. Carpeting will also be installed in CR to reduce reflected light from floors and lower part of panels. 9/30/86 Carpeting has been installed and has markedly reduced glare from lower board areas.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/2/85
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 11/1986

CLO/HED# 1.5-6

Criterion#. 6.1.5.3 b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

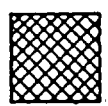
CONSEQUENCE OF ERROR (COE)

HIGH

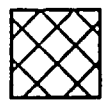
MEDIUM

LOW

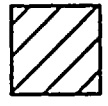
		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



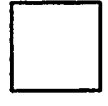
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.5-6

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

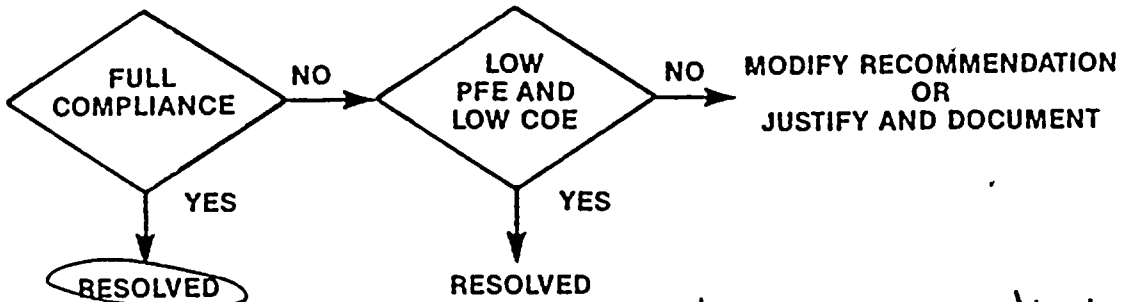
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION CR lighting is currently being evaluated for appropriate modifications by EED. Appropriate methods for increasing uniformity and d.f. fusing light are being considered and tested.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 9/30/86
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 11/9/86

CLO/HED# 1.5-7

Criterion#: 6.1.5.3 e a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

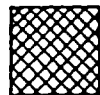
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



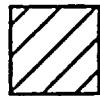
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 1.5-7

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

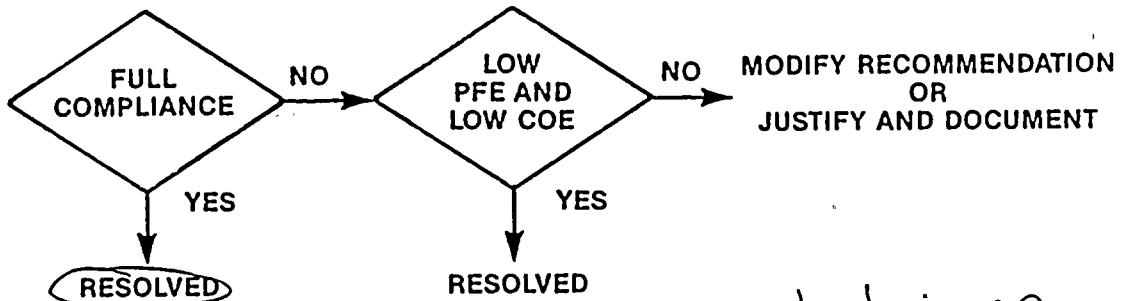
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION EED is evaluating CR
lighting for improvement, reduction in
shadows, and more uniform level of lighting on
the boards. Burned out bulbs are to be replaced as required.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 9/30/86
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 11/1986



CLO/HED# 1,6-1

Criterion # 6.1.5.5a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.

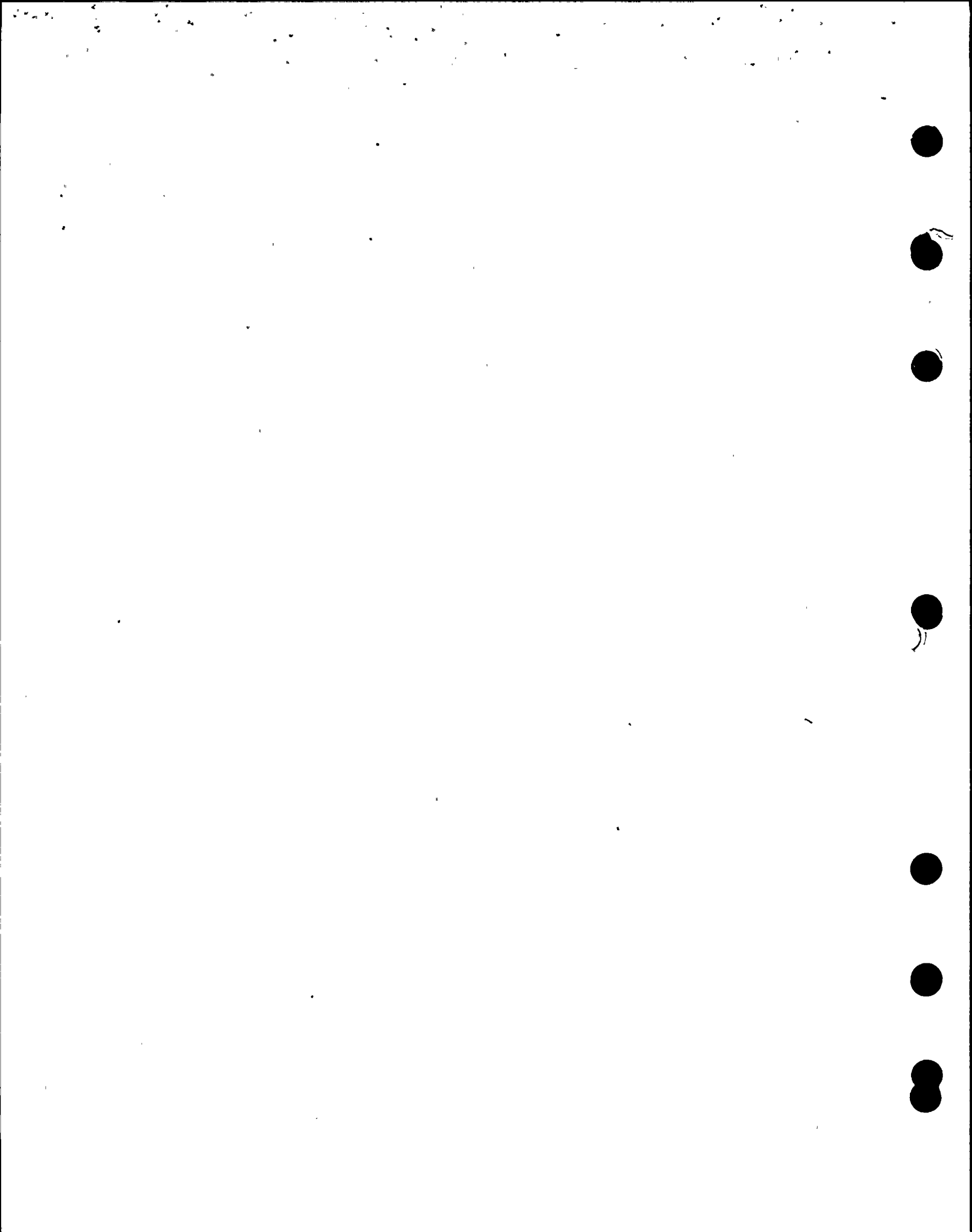


Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 1.6-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

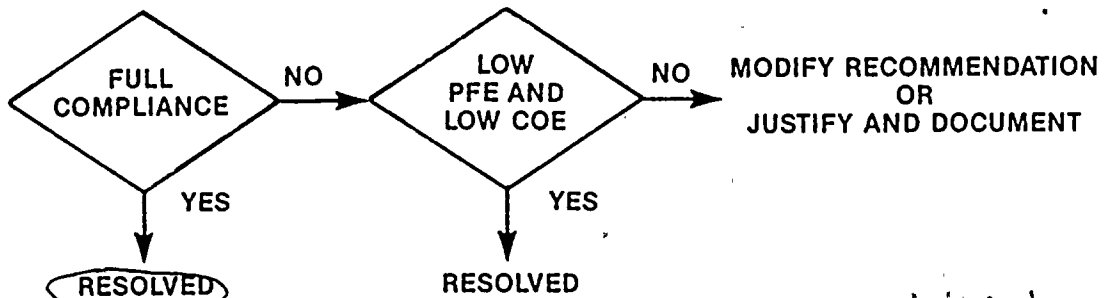
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Carpet is to be installed to help attenuate noise. Telephone links are available between front and rear of panels. Administrative controls over non-essential people in CR are to be enforced (see HED# 1.1).
9/30/86 Carpet has been installed and it dramatically attenuates noise.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/1/986

CLO/HED# 1.6-2

Criterion #: 6.1.5.5d

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

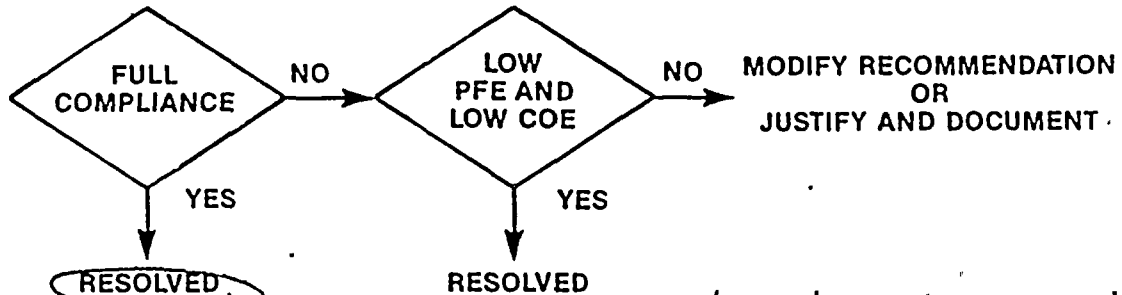
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION PA system has been modified and is no longer a source of noise distraction in CR. The RMS printer is being replaced. The two-tone phone is within noise limitations, maintenance will look into reducing ventilation noise and carpeting is to be installed to attenuate noise (see 1.1-2).

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 10/28/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/1/86



CLO/HED# 1.6-3

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

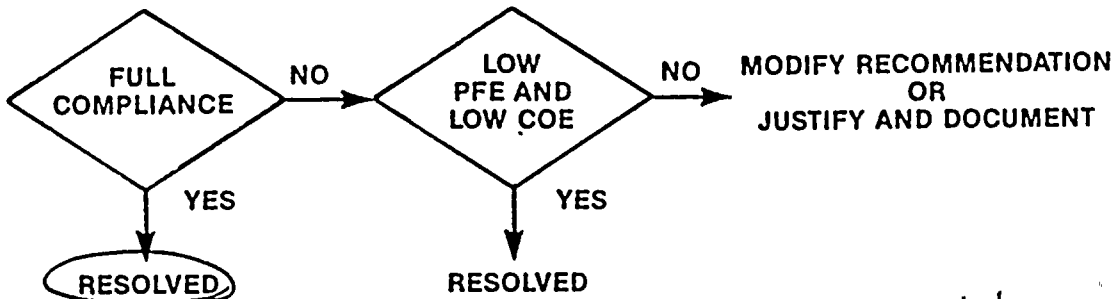
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Addresses some problems HED# 1.1-1. Administrative control over non-essential people in CR will be upgraded and enforced.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 10/28/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/1/86

CLO/HED# 1.7-1

Criterion# 6.1.1.5a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 1.7-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

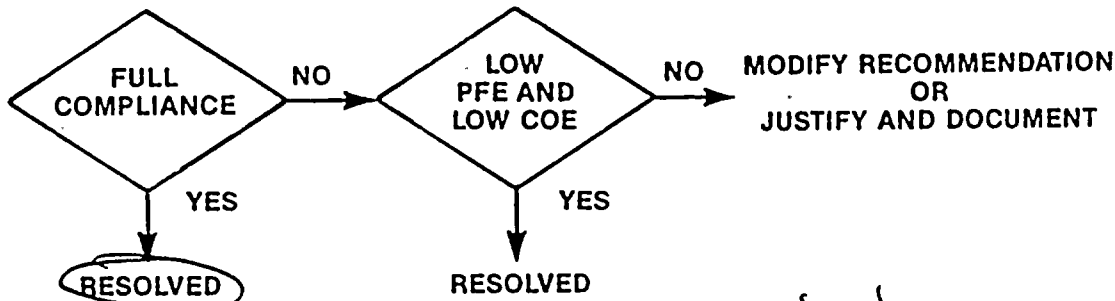
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION SS has key to store room, so that operations personnel can get supplies at any time. Administrative controls will be established to ensure proper supplies are in store room.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/21/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/9/86



CLO/HED# 1.7-2

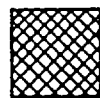
Criterion# 6.1.1.5 c
6.3.3.1 c (3)
6.5.3.1 a (3)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



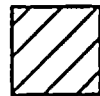
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 17-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

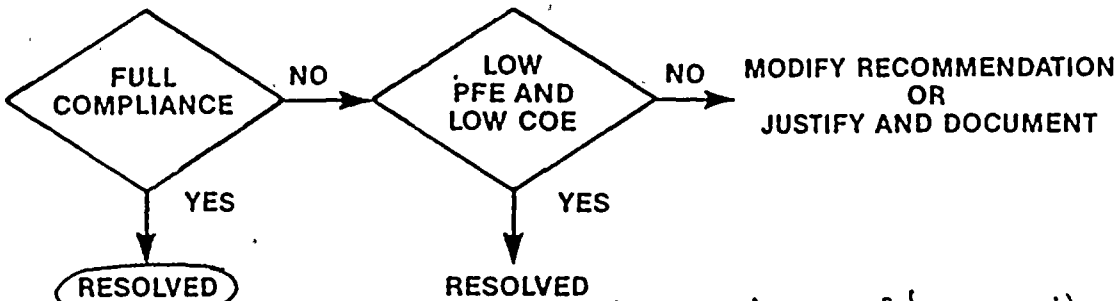
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Bulb and resistor pullers
will be supplied to CR personnel. 9/30/86 Hurz been
supplied to

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 11/19/86



CLO/HED# 1.7-3

Criterion#: 6.1.1.5e

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

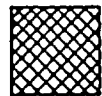
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



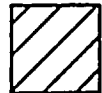
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.7-3

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

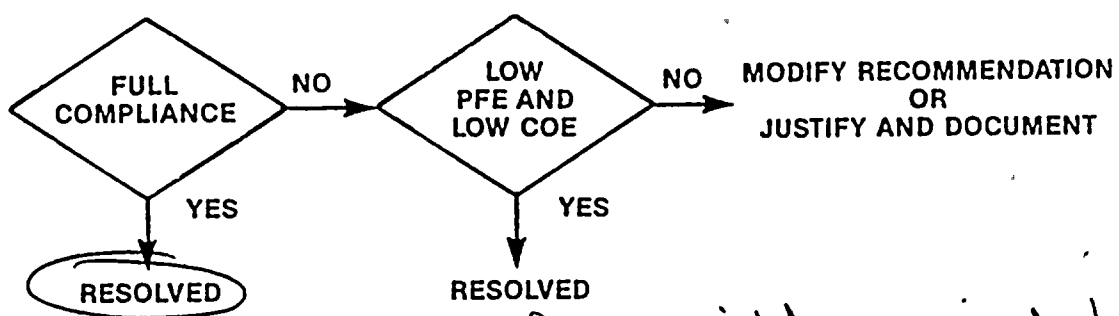
PENDING	DATE
<input type="checkbox"/> FURTHER REVIEW BY _____	_____
<input type="checkbox"/> FURTHER REVIEW BY _____	_____
<input type="checkbox"/> FURTHER REVIEW BY _____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Appropriately organized storage areas will be set up and maintained as per suggested backfit

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/20/85
AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/85



CLO/HED# 1.7-4

6.3.3.1 c (1)
6.4.3.3 c (4)
6.5.3.1 c (2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.

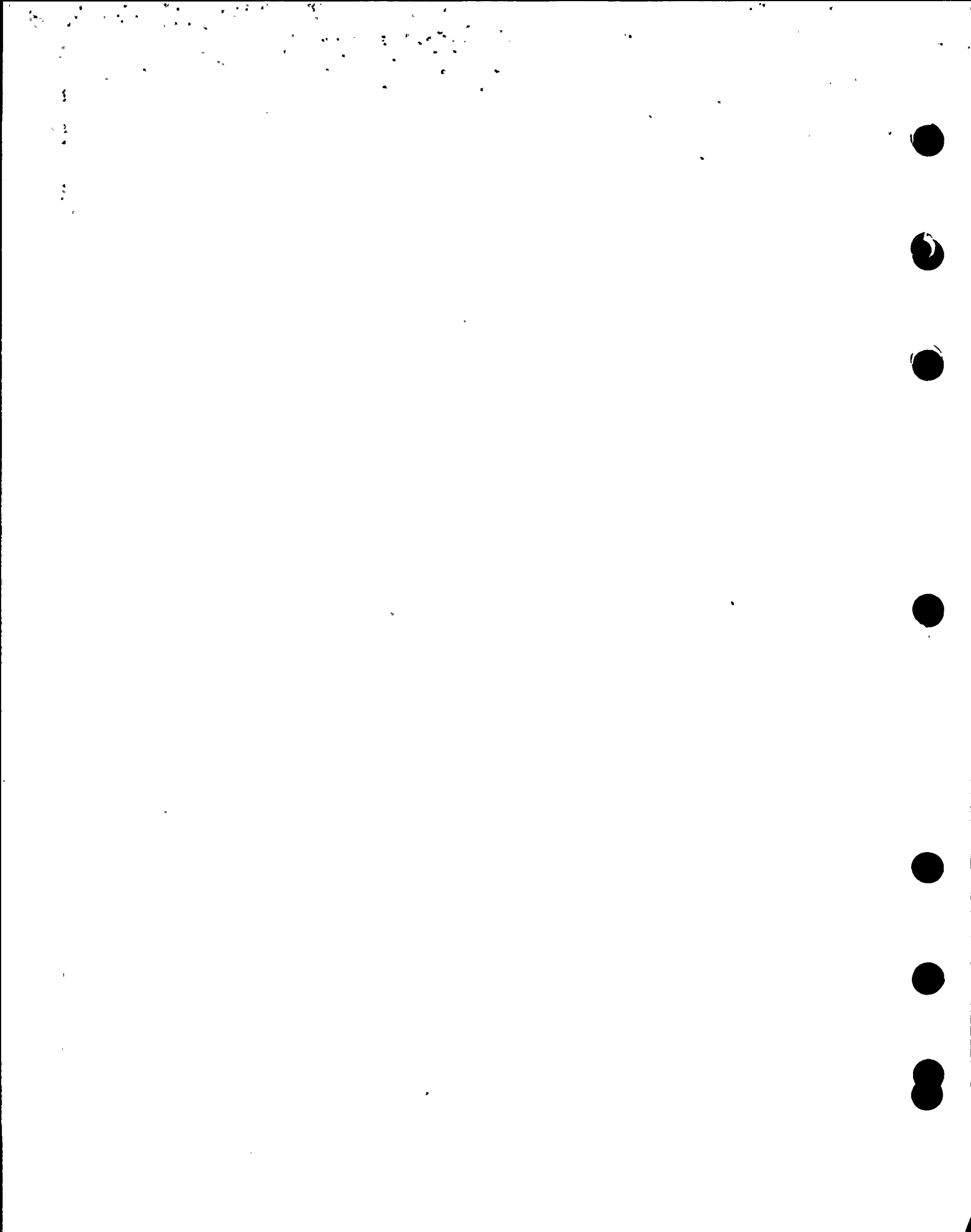


Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 1.7-4

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

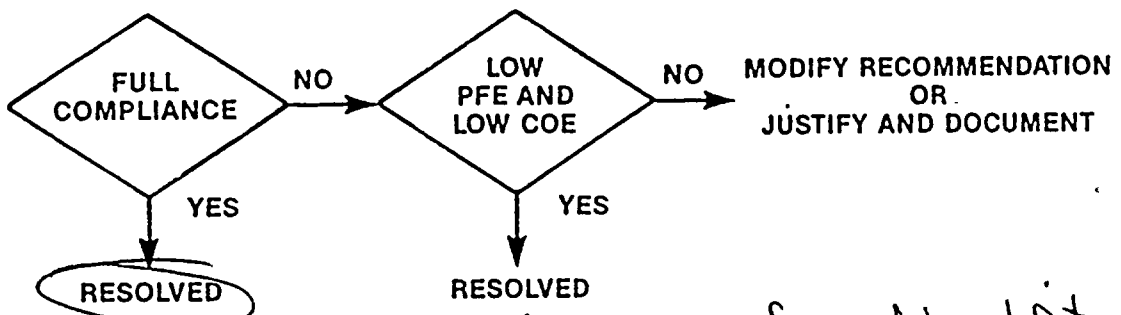
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION As per preferred back fit, administrative control over tile removal and replacement will be established to insure that only one tile is removed and replaced at a time. 9/30/86 Has been done.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86



CLO/HED# 1.7-5

Criterion #: 6.4.3.3 c(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

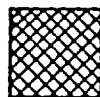
Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



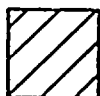
Category I --

High priority; corrective action should be taken.



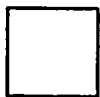
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.7-5

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

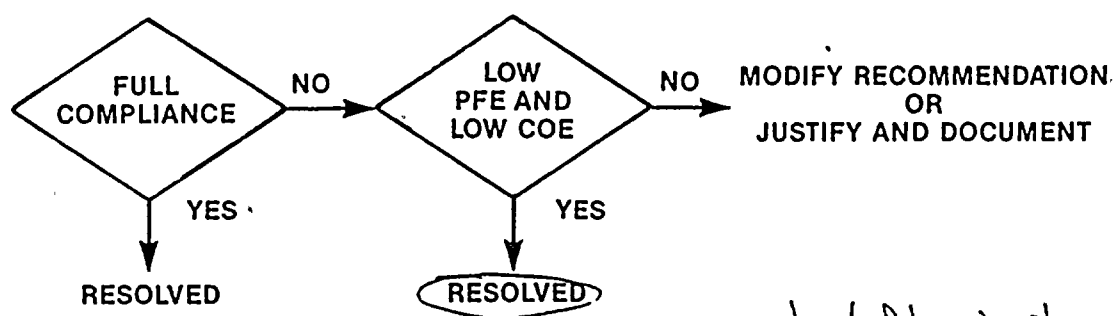
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION All alarms are tested twice at each shift change and one a week a check is made for sockets with one bulb burnt out. The possibility of changing incandescent bulbs to LED bulbs for greater reliability is a topic being evaluated. Also, an adequate and accessible supply of bulbs is ensured (see 1.7-1 to 1.7-3)

SIGNOFF

H.F. CONSULTANT (ESSEX)	<u>[Signature]</u>	DATE	<u>9/30/86</u>
AEPSC PROGRAM LEAD ENGINEER	<u>[Signature]</u>	DATE	<u>11/19/86</u>

CLO/HED# 1.7-6

6.5.3.1a(1)+(2)

FIGURE 1 ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 1.7-6

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

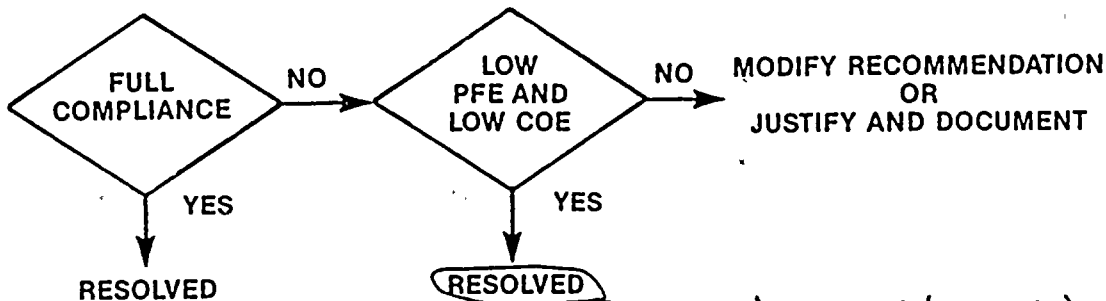
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION *Bulb test is not advisable since it would compromise control and a job circuit reliability. Dual filament bulbs are not available that are compatible with fixtures and voltages. However, operators are trained to test for and replace recessed can fixtures. One or both lamps on at all times informs the operator of a lamp failure. Normally recessed (NRO) lamps will have identifier labels SIGNOFF and it may be possible to replace incandescent lamps with LED bulbs.*

H.F. CONSULTANT (ESSEX) F. [Signature] DATE 9/30/86
 AEPSC PROGRAM LEAD ENGINEER RBS DATE 1/19/86



CLO/HED# 1.7-7

Criterion#6.2.1.1b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 1.7-7

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

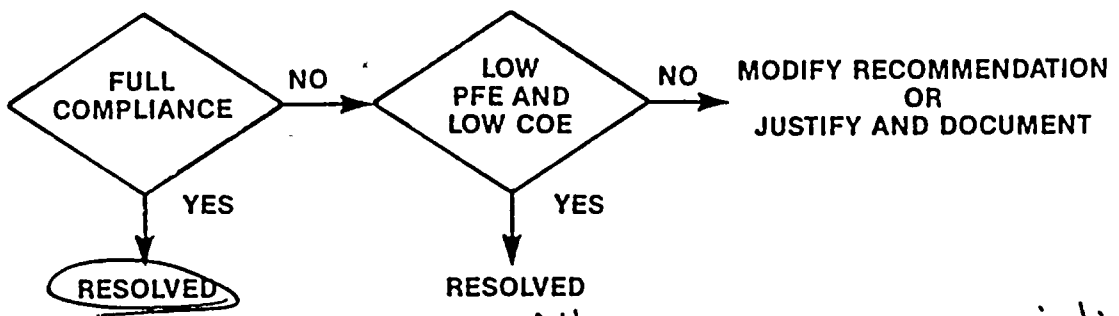
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION All emergency communications systems are tested frequently. Other systems are in constant use. The PA system has two maintenance people working on it. The process computer vent screens have been changed and will be checked periodically.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/1/86



CLO/HED# 2.1-1

Criterion # 6.2.1.2

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLOIHED# 2.1-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

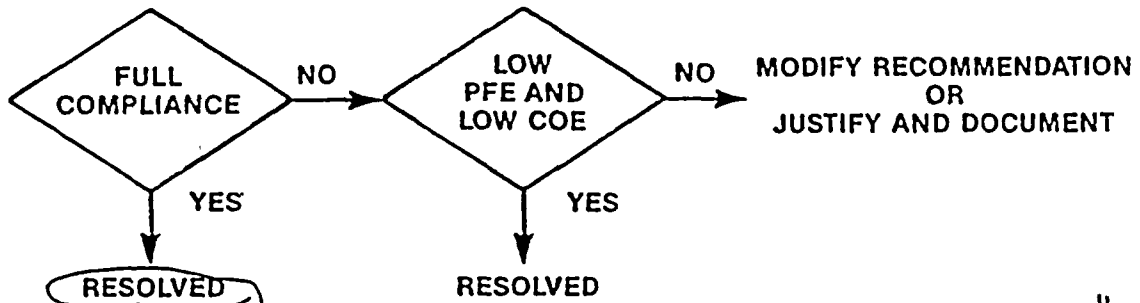
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION More and improved "Hear-Here" boxes are being considered and maintenance is improved. A study will be undertaken to review and upgrade plant communications systems.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86



CLO/HED# 2.1-2

Criterion#: 6.2.13

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 2.1-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

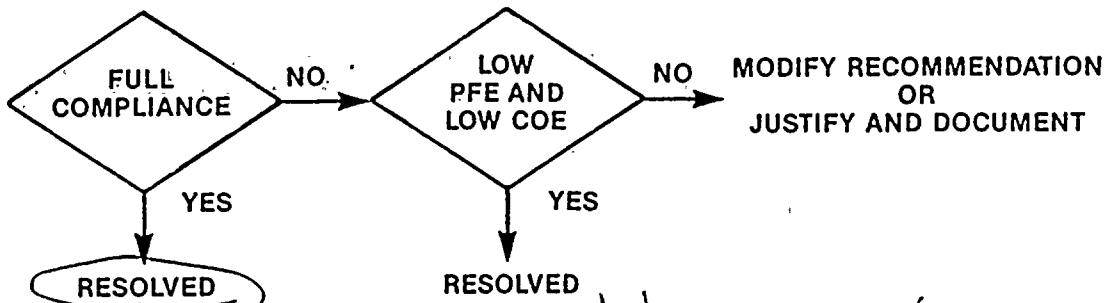
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Maintenance has been improved for head set system which is to be used primarily for surveillance testing. A new wireless radio system with low wattage antennas giving full plant coverage is being designed. This will reduced the demand on the old system.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 9/30/86

AEPSC PROGRAM LEAD ENGINEER

RAS

DATE 1/1986

CLO/HED# 2.1-3

Criterion#6.2.1.4 a & b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 2.1-3

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

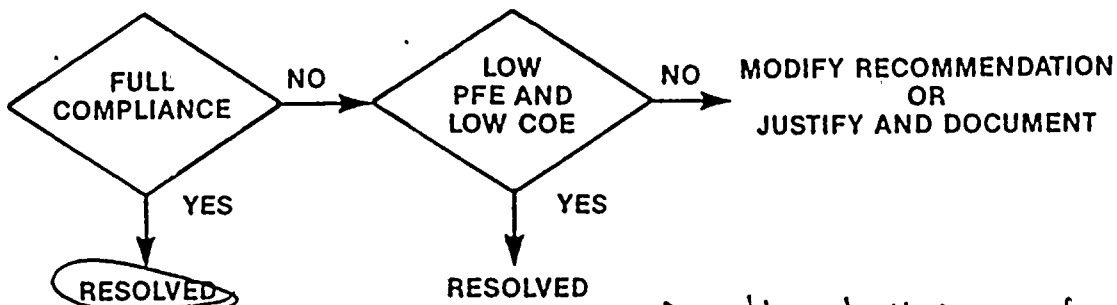
PENDING	DATE
<input type="checkbox"/> FURTHER REVIEW BY _____	_____
<input type="checkbox"/> FURTHER REVIEW BY _____	_____
<input type="checkbox"/> FURTHER REVIEW BY _____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION PA and walkie-talkie system maintenance has been improved. A study has been undertaken to review and upgrade plant communications systems for full plant coverage.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 2.1-4

Criterion# 6.2.1.6

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

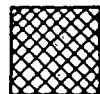
Potential For Error

High

Medium

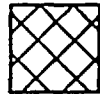
Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 2.1-4

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

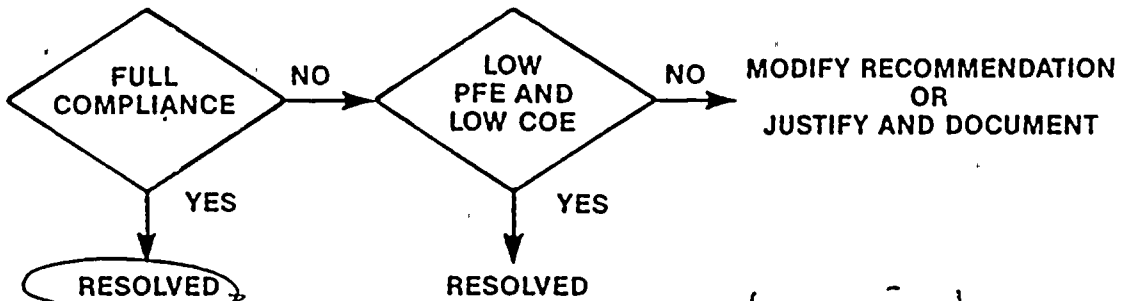
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION PA system maintenance has been improved. Two workers are assigned full-time to PA maintenance. A study has been undertaken to review and upgrade plant communications systems including the installation of variable gain speakers in high noise areas.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/1/86

CLO/HED# 2.1 -5





Criterion# 6.2.1.6e(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 2.1-5

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

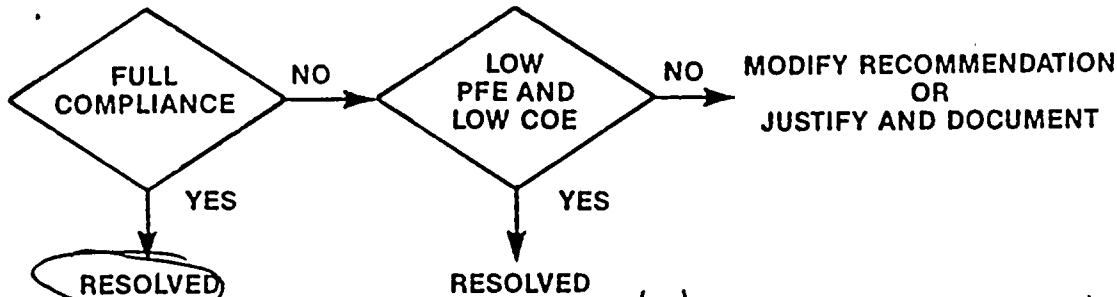
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION PA stations in CR have been adjusted. Further consideration of PA station will be given in communications study.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86



CLO/HED# 2.1-6

Criterion#: 6.2.1.8 a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 2.1-6

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

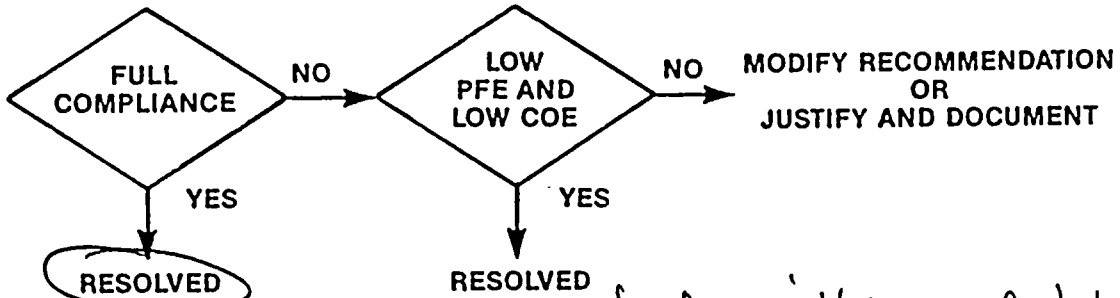
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION A study will be undertaken to review and upgrade plant communications systems, especially in terms of needs to support EOPs.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/26/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/9/85





CLO/HED# 2.1 - 7

Criterion #: 6.2.1.8 a
6.2.1.4 b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY I



CLO/HED# 2.1-7

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

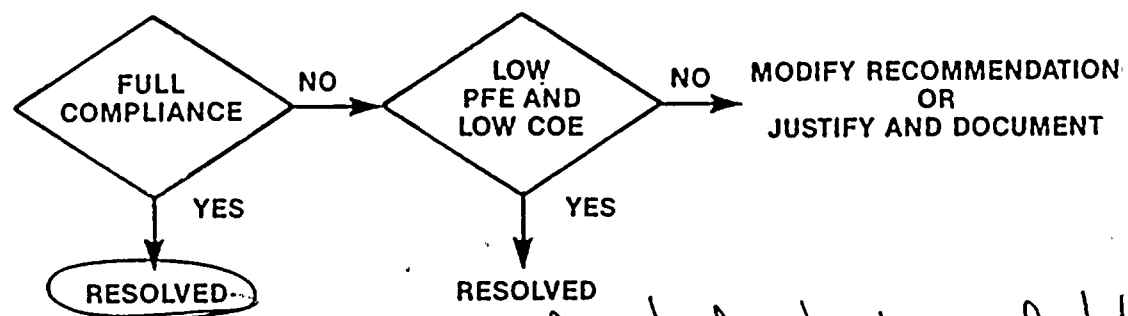
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<input checked="" type="radio"/> YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION A study has been undertaken to review and upgrade plant communications systems. Disruption problem will be considered as part of study.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/986



CLO/HED# 2.1-8

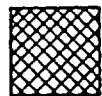
Criterion # 6.2.1.1a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLOTHED# 2.1-8

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

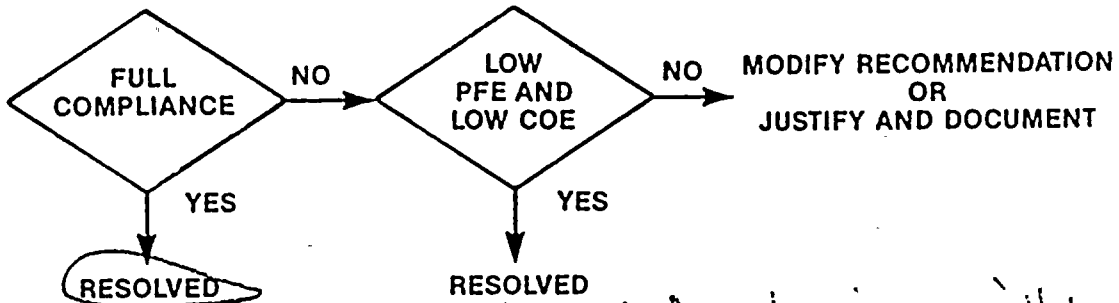
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Needed instructions will be considered as part of communications review and upgrade study. 9/30/86 Needed instructions have been provided. jg

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/26/85
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/1/86

CLO/HED# 2.1-9

Criterion#: 6.2.1.1 C.1.1 & (2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



P



CLO/HED# 2.1-9

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

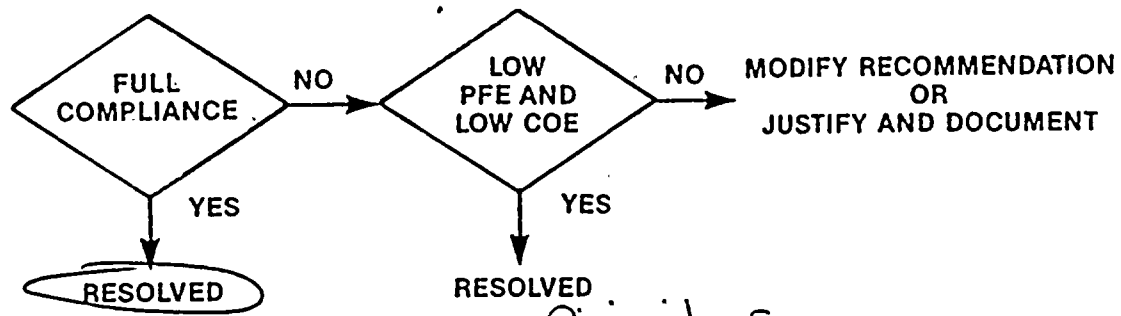
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Priority for emergency messages are being considered as part of the communications upgrade study. Priority procedures are being written.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____ DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLO/HED# 2.1-10

Criterion# 4.2.1.2.b6

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

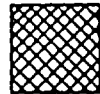
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



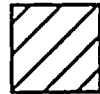
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 2.1-10

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

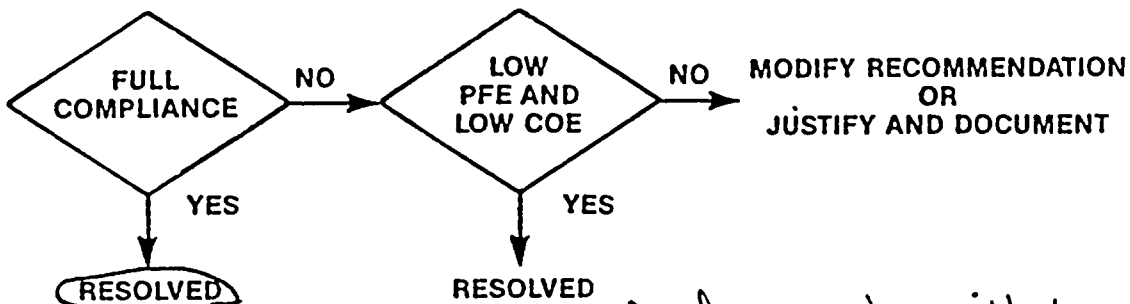
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Handset mounts will be considered as part of the communications system review and upgrade study.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/1986



CLO/HED# 2.1-11

Criterion#: 6.2.1.3 b(2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 2.1-11

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

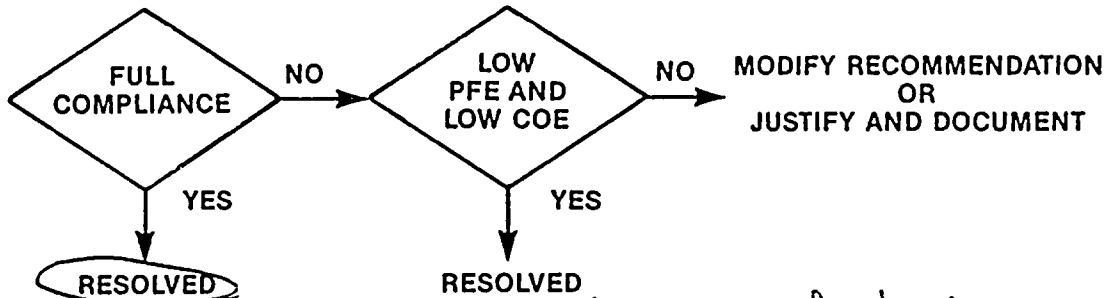
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Replacing headsets to increase comfort in the CR is being included as part of the communications systems review and upgrade study. However, the heavier muffling type headsets are required for noisy areas out in the plant.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 9/30/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 11/9/86

CLO/HED# 2.1-12

Criterion#: 62.1.3 b 6

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

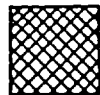
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



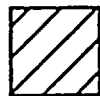
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 2.1-12

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

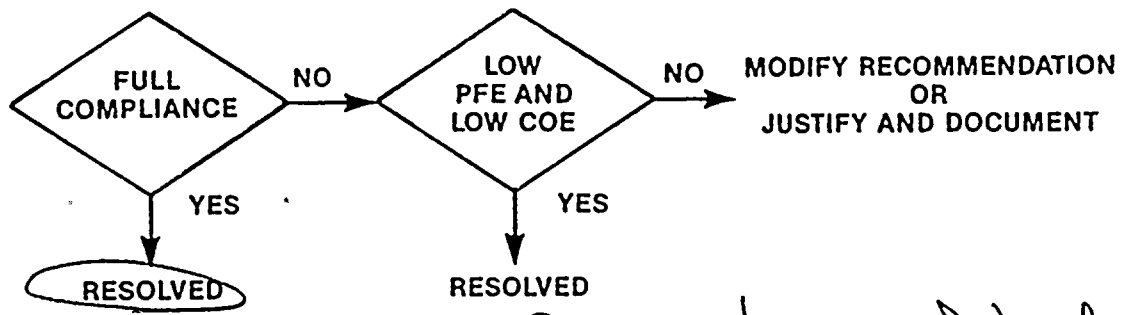
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Proper storage of hardsets is being implemented as part of communications systems review and upgrade efforts.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 9/30/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/19/86

CLO/HED# 2.1 - 13

Criterion# 6.2.1.4 e

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLOTHED# 2.1-13

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

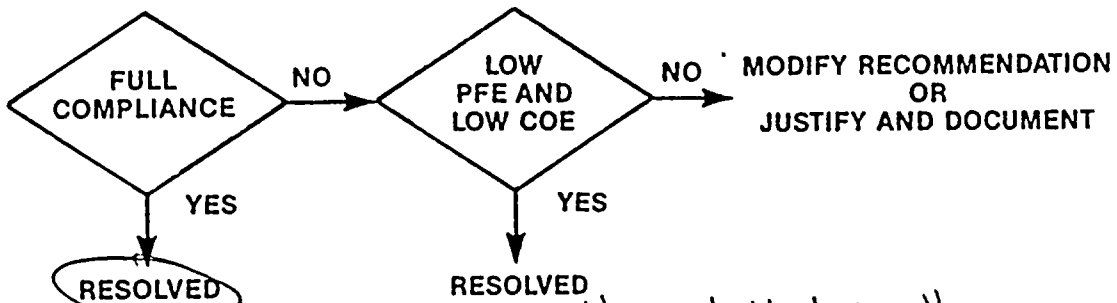
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION: walkie-talkie battery maintenance is being improved as part of communications systems review and upgrade efforts. Better radios are now being used which require less battery maintenance.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 9/30/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 2.1-14

Criterion# 6.2.1.5 b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 2.1-14

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

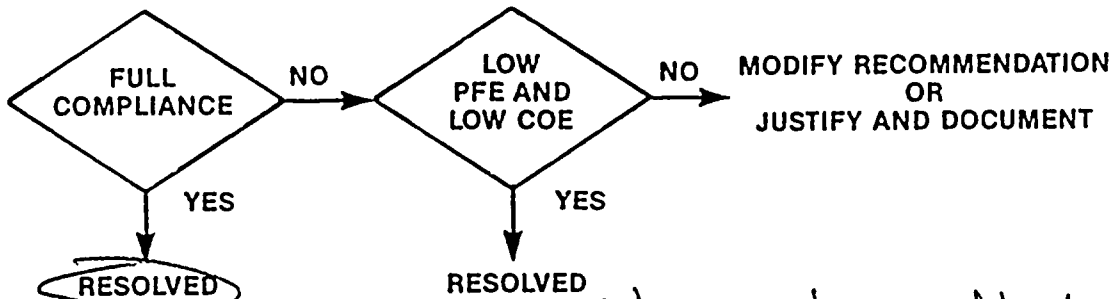
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Limiting volume adjustment of UHF radio will be considered as part of communications systems review and upgrade efforts

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/28/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/986



CLO/HED# 2.1-15

#6.2.1.5c

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

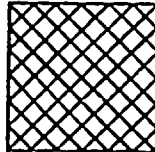
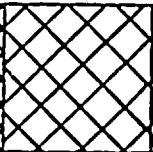

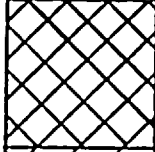
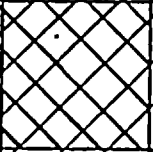


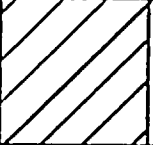

Low

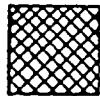
Potential For Error

High

Medium

Low

		High	Medium	Low
High				
Medium				
Low				



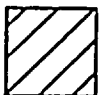
Category I --

High priority; corrective action should be taken.



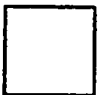
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 21-15

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

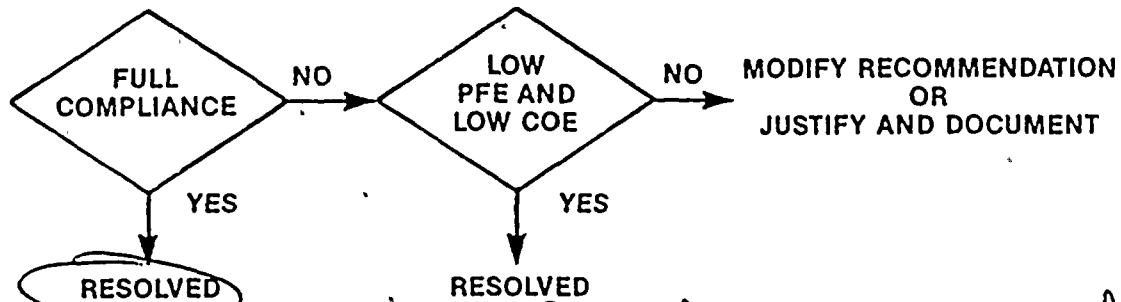
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Procedure for UHF radio
use is being developed as part of communications
systems review and upgrade efforts.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 9/30/86
 AEPSA PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 2.1-16

Criterion# 6216F

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 2.1-16

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

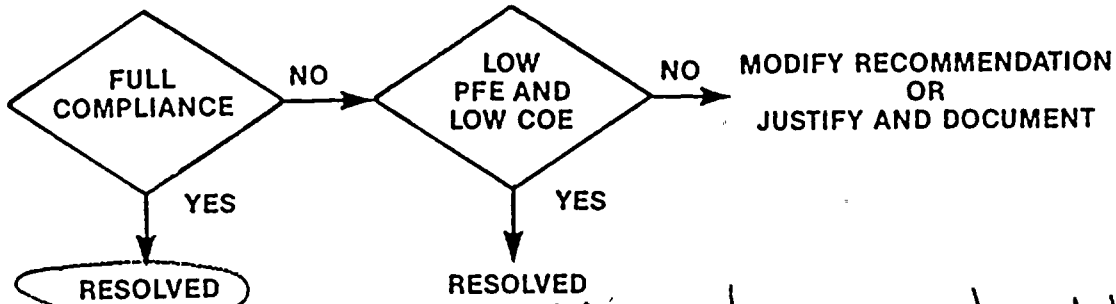
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION PA system priority stations are being designed as part of the communications systems review and upgrade efforts.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

[Signature]

DATE 9/30/86

AEPSC PROGRAM LEAD ENGINEER _____

RFS

DATE 1/1/86



CLO/HED# 3.1-1

Criterion# 6.3.1.3a (1)+(2)
6.3.1.3b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED# 3.1-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

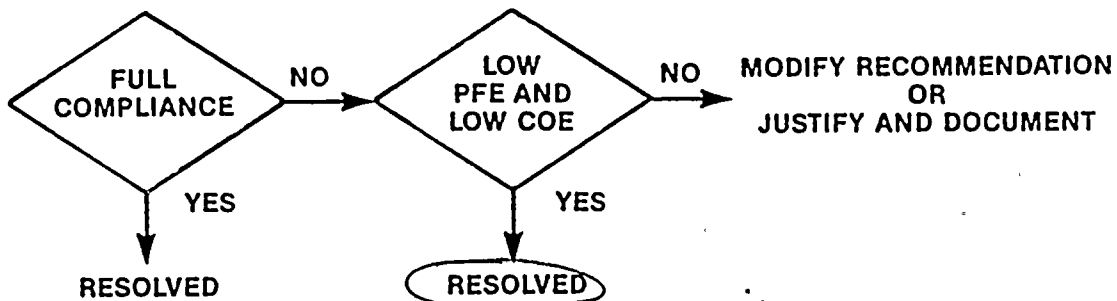
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION No Backfit was recommended by HFS, operators have access to a sequence of events monitor and the P&ID prints out alarm sequences, so identification of initiating events is readily available.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 10/14/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/1/986

CLOIHED# 3.1-2

Criterion#: 6.3.1.4 b(1)&(2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

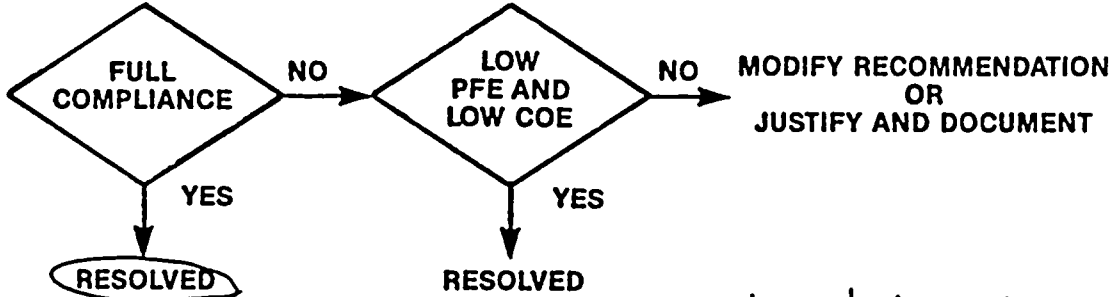
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION *An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.*

SIGNOFF

H.F. CONSULTANT (ESSEX) *[Signature]* DATE 10/29/85
 AEPSC PROGRAM LEAD ENGINEER *[Signature]* DATE 1/1/86



CLO/HED# 3.1-3

Criterion# 6.3.2.1 c

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

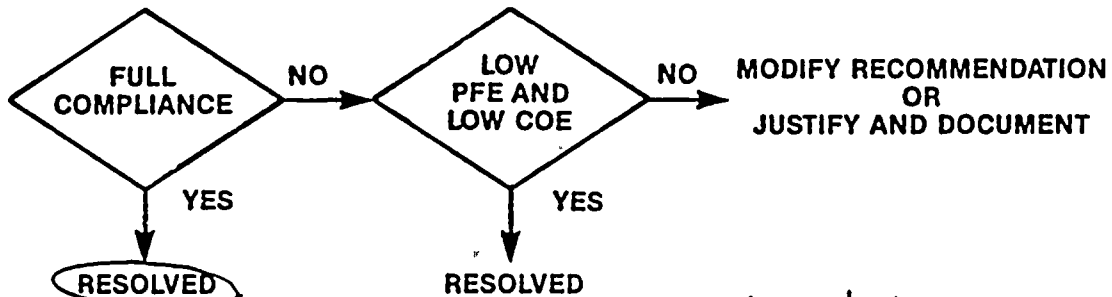
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION *An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs. Alarm adjustment is being evaluated and RMS alarms will be considered in Nuisance alarm study.*

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/19/86







CLO/HED# 3.1-4

Criterion# 6.3.3.2 e

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLOTHED# 3.1-4

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

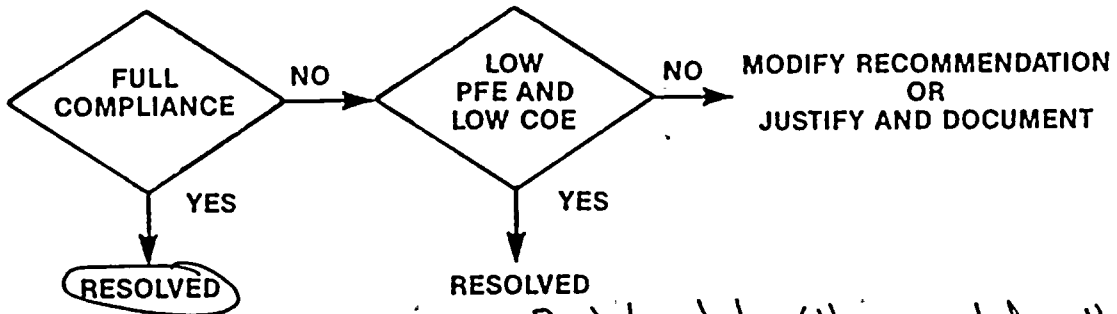
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Problem tiles (those marked with "p")
are being evaluated and modified on an individual basis.
Present program will continue to resolve problem and
"normally" on "annunciators."

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86

CLO/HED# 3.1-5

Criterion# 6.3.1.2 c (3)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 3.1-5

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

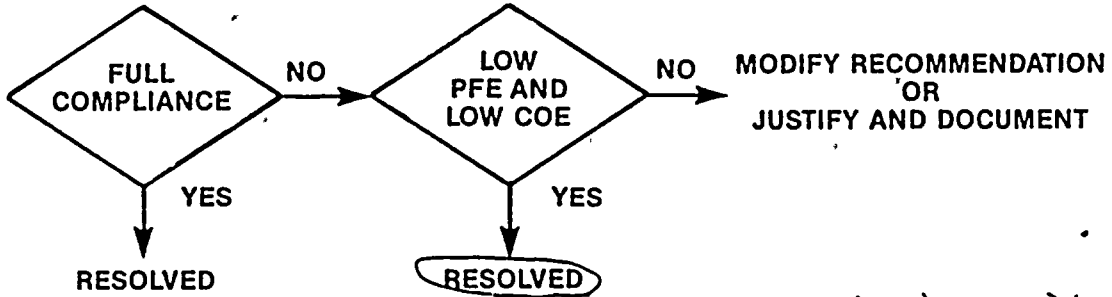
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION AEPSIC has reviewed all multiple input drops, and dedicated alarms are being evaluated for important CAS drops (3.1-11) and RCP Oil Pots (3.1-15). Other alarms do not require reflash, since similar local action would be required for each.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 9/30/86
 AEPSIC PROGRAM LEAD ENGINEER RAIS DATE 1/1/86



CLO/HED# 3.1-6

Criterion# 6.3.3.2 F(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

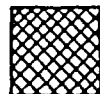
Potential For Error

High

Medium

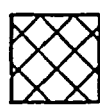
Low

	High	Medium	Low
High			
Medium			
Low			



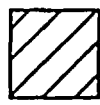
Category I --

High priority; corrective action should be taken.



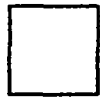
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 3.1-6

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

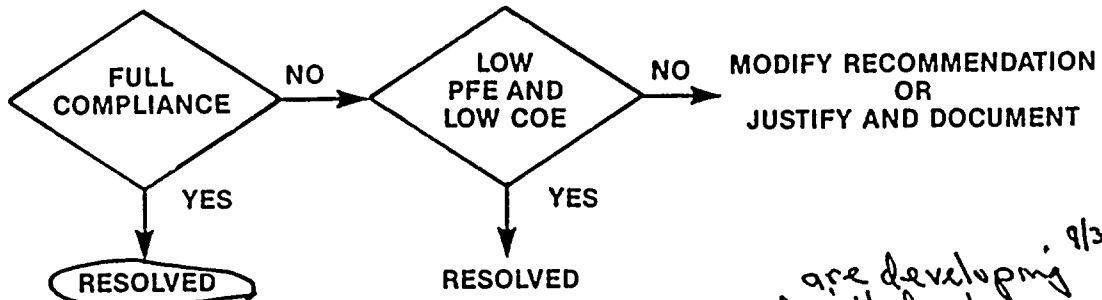
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION *Plant personnel will develop a method to code annunciators which are on for extended period for repair of equipment. A color dot or similar means will be used. Administrative controls will be in place for adding & removing dots.*

are developing 9/30/86

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

[Signature]

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER _____

RFS

DATE 11/19/86



CLO/HED# 3.1-7

6.3.3.3e

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

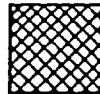
Potential For Error

High

Medium

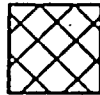
Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



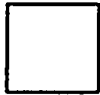
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 3.1-7

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

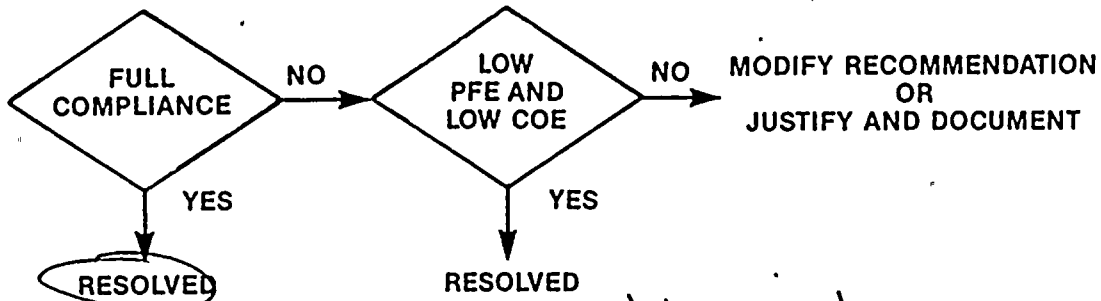
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Preventative maintenance program is to be started so that all bulbs will be tested weekly and any annunciators with one bulb out will have burnt-out bulb replaced. This is in addition to testing at shift change.
twice 9/30/86

SIGNOFF

H.F. CONSULTANT (ESSEX) _____ DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 3.1 -B

Criterion# 6.3.1.2. a (1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 3.1-8

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

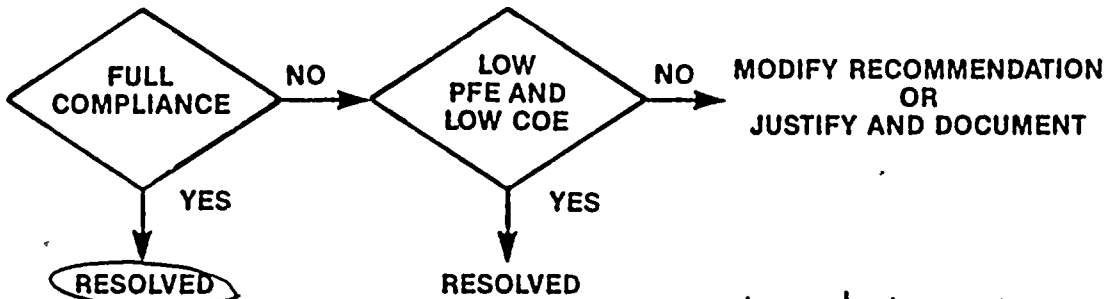
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION *An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.*

SIGNOFF

H.F. CONSULTANT (ESSEX) *[Signature]*
 AEPSC PROGRAM LEAD ENGINEER *R/S*

DATE 11/18/85
 DATE 1/19/86

CLO/HED# 3.1-9

Criterion # 6.3.1.2 a(2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

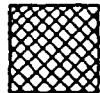
Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken..



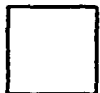
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 3.1-9

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

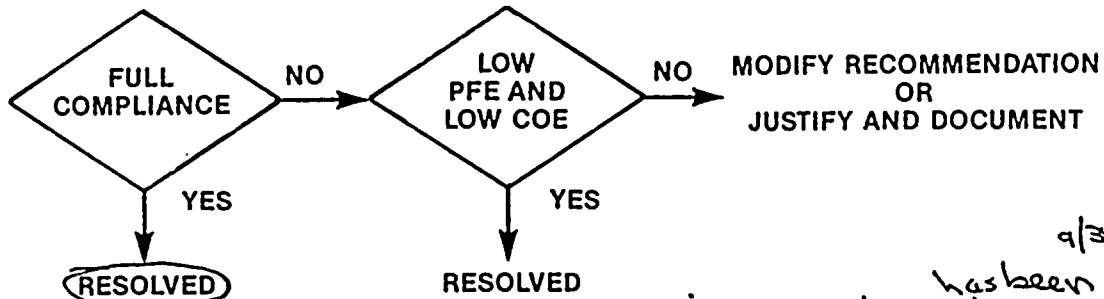
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION *Engineering review will have been undertaken to determine appropriateness of set points and adjust accordingly. Tave + Seismic monitor alarms can't be modified due to nature of alarms, e.g. can't give earlier warning of an earthquake (seismic event).*

9/30/86
10/1

SIGNOFF

H.F. CONSULTANT (ESSEX) T. [Signature] DATE 11/25/85
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 11/19/86



D



CLO/HED# 3.1-10

Criterion#: 6.3.3.1 a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

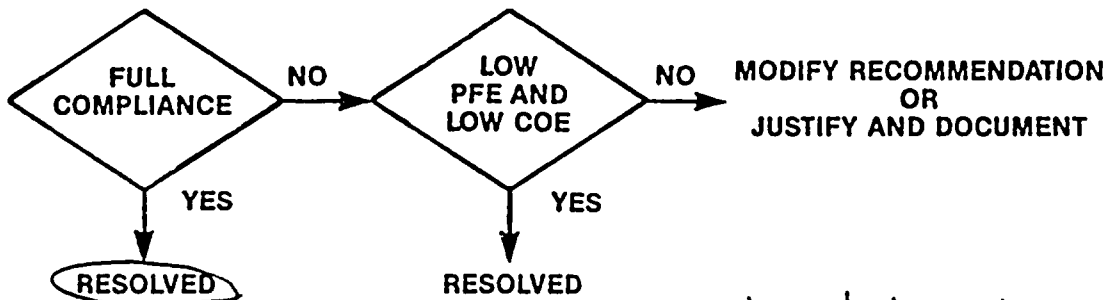
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 11/19/86



CLO/HED# 3.1 = 11

Criterion #: 6.3.1.2.b(2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

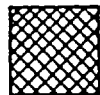
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



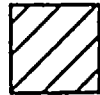
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

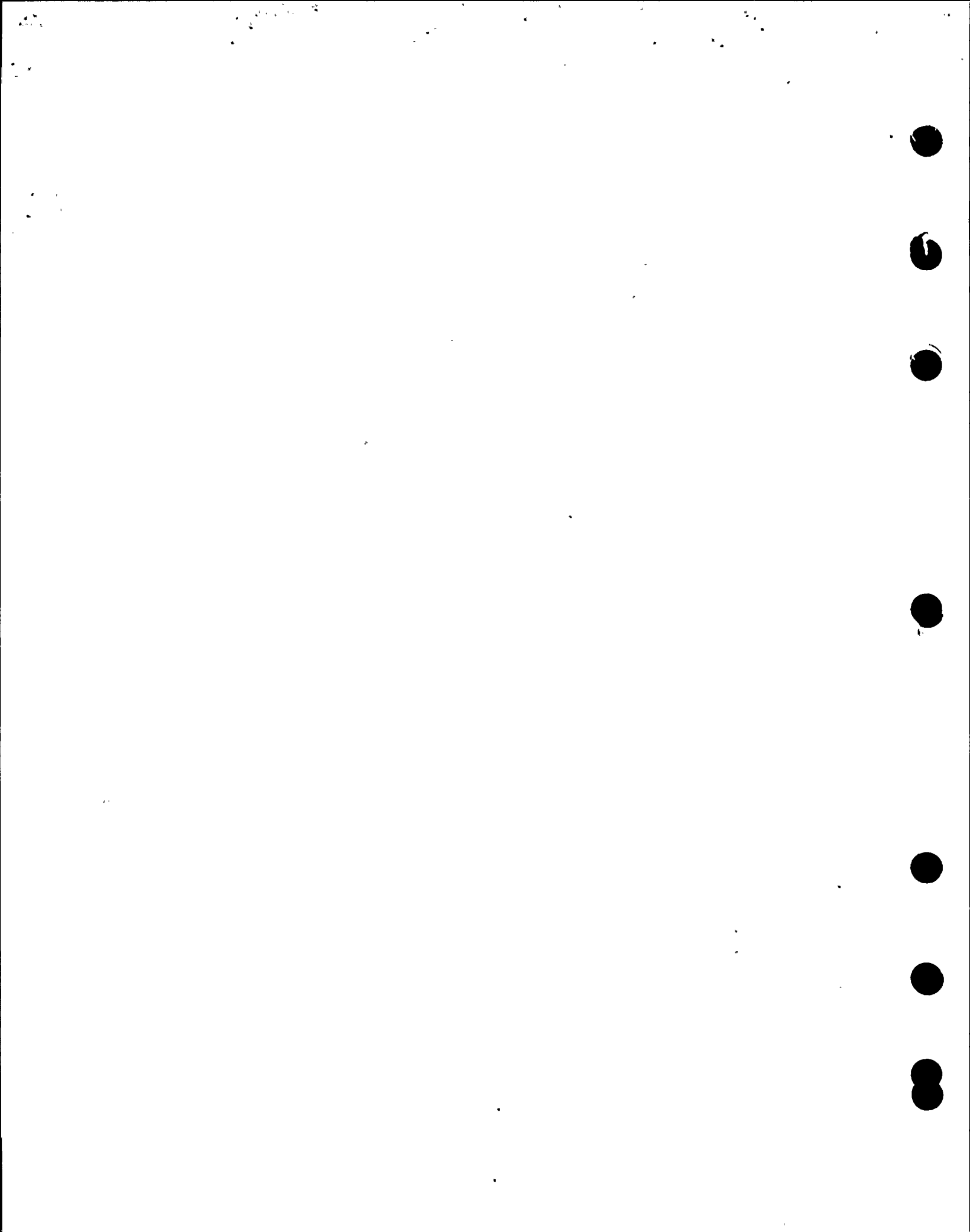


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 3.1-11.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

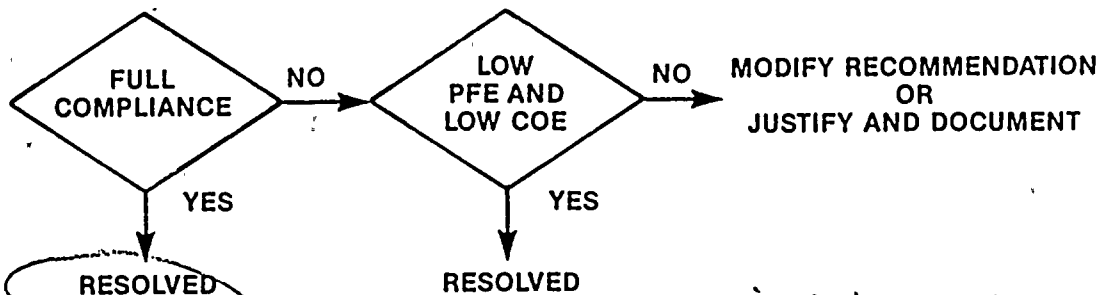
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Engineering will review alarm setpoints to determine if operator action is needed and if there is enough time to respond to each alarm. Will also look at CAS alarms to see if any should be on main control boards.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86



CLO/HED# 3.1 - 12

Criterion# 6.3.3.4 c

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 3.1-12

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

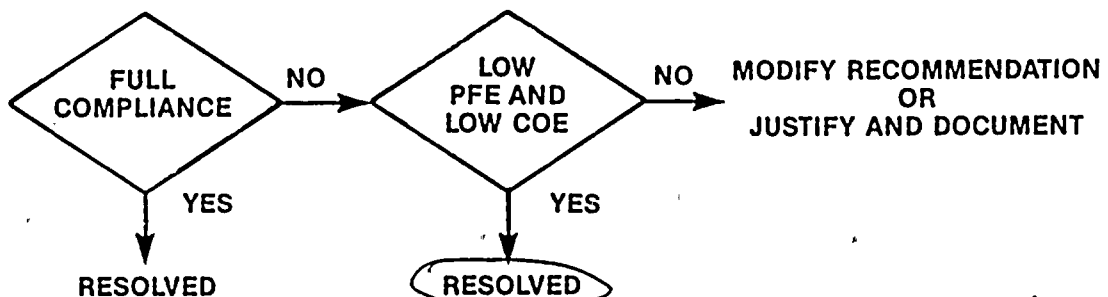
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION All dual messages were reviewed, and RCP Oil level alarms will be split out per 3.1-15. No other changes are deemed necessary. For all alarms, whether single or dual (such as high/low) the operator is trained to verify the alarm condition by checking appropriate indicators. Therefore, dual alarms do not cause unnecessary checking, and separate windows are not needed.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE

9/30/86

AEPSC PROGRAM LEAD ENGINEER

RAS

DATE

11/24/86



CLO/HED# 3.1-13.

6.3.4.3a

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

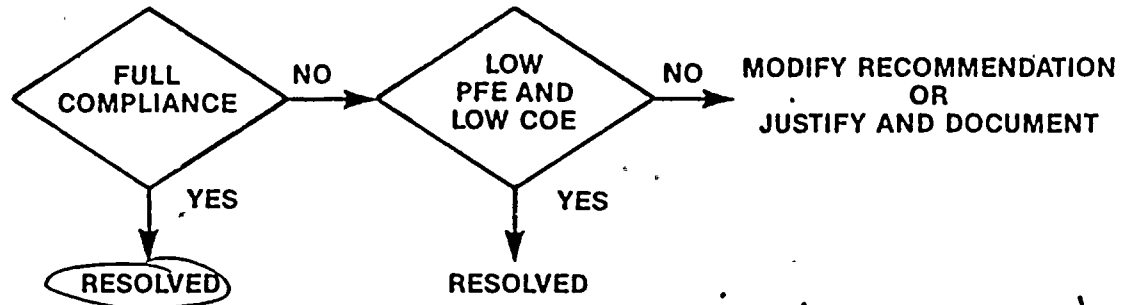
PENDING	DATE
<input type="checkbox"/> FURTHER REVIEW BY _____	_____
<input type="checkbox"/> FURTHER REVIEW BY _____	_____
<input type="checkbox"/> FURTHER REVIEW BY _____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION The annunciator response book is undergoing bi-annual review and will be revised as appropriate.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85
AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/19/86



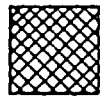
CLO/HED# 3.1-13

6.3.4.3a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
 CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 3.1-14

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

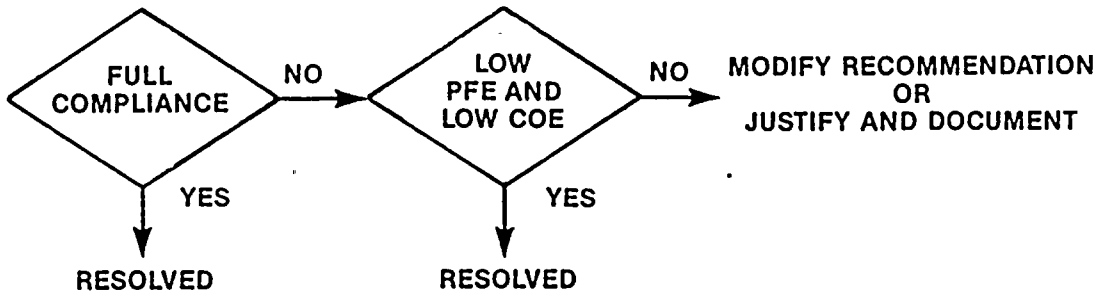
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION

Not a CRDR issue. Will be referred to plant as an
industrial safety issue

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 3.1-15

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING **DATE**

FURTHER REVIEW BY _____

FURTHER REVIEW BY _____

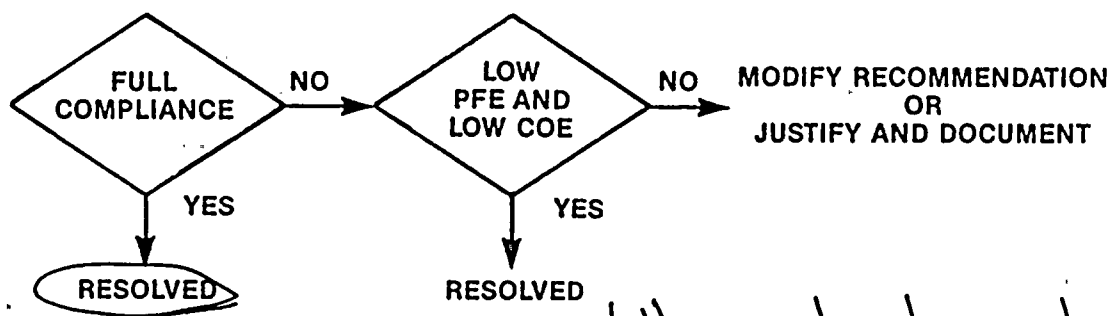
FURTHER REVIEW BY _____

DISPOSITION

APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Splitting out alarms by upper and lower pots according to reservoir and installing local indication is being evaluated.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 01/8/85

AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/1986



CLOIHED# 3.1-16

6.3.4.1C

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

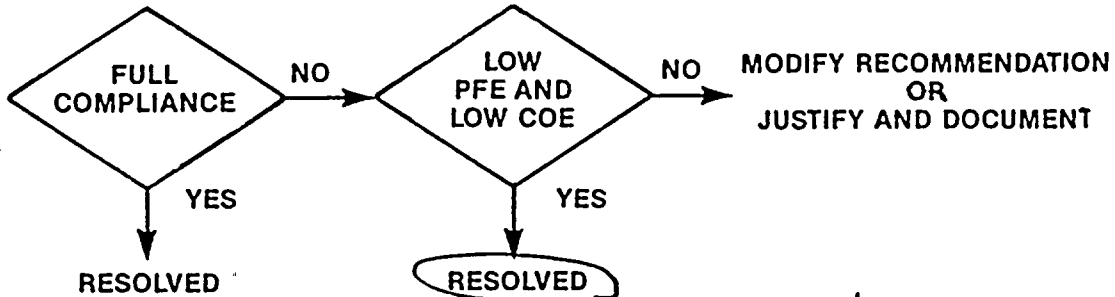
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Seal-in type alarms are used in applications where the initiating signal is momentary and the operator would not have time to react were it not seal-in. The alarms are coded with a black band and a special reset is provided.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 3.1-17

Criterion# 6.3.3.4 a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 3.1-17

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

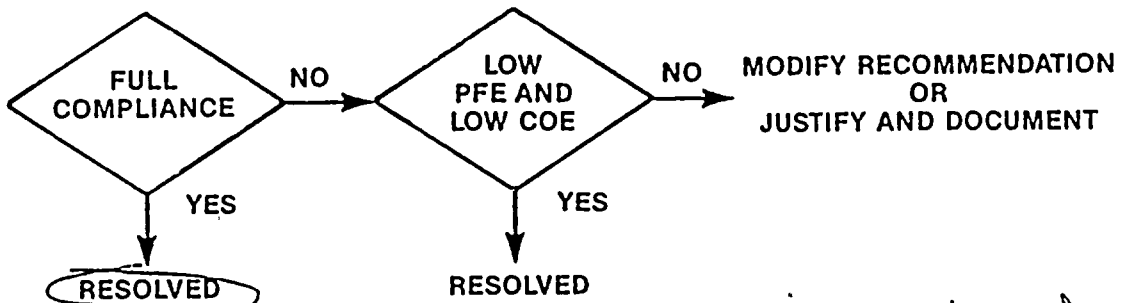
- FURTHER REVIEW BY Assessment Team 11/4/85
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC engineering and operations reviewed. PZR annunciator alarms and neither could find any basis for a problem. Therefore, no change is recommended.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/1/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86



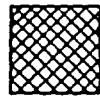
CLO/HED# 3.1-18

6.3.2.2 a (1)

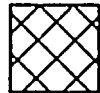
ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED# 3.1-18

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

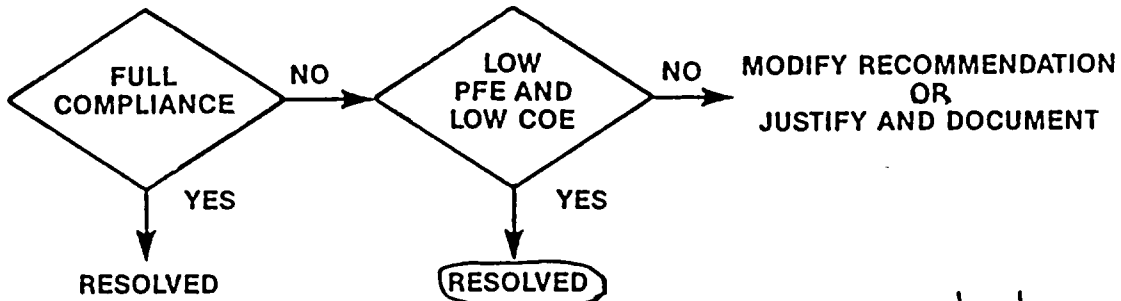
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION There are separate tones for front, left and right portions of CR. In addition a "bulls eye" lights up on the individual matrix containing the alarming window. The CW annunciator matrix has a bulls eye on the plant servia panel which is easily viewed from front of CR.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86



CLO/HED# 3.1-19

Criterion #: 6.3.1.2C (2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 3.1-19

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

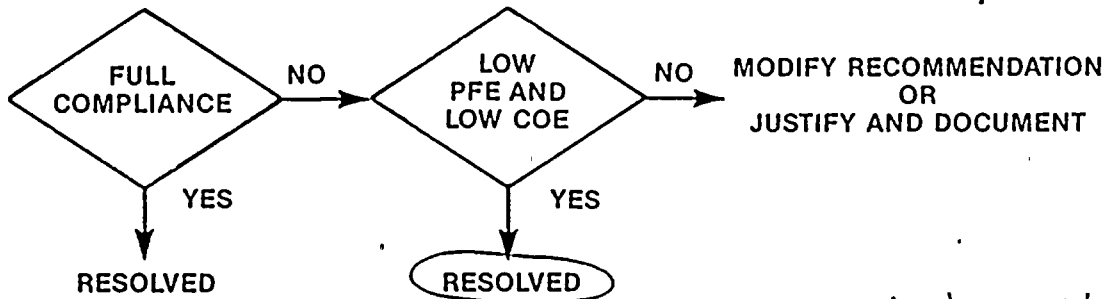
- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES NO YES

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW



EXPLANATION OR JUSTIFICATION *AEPSC has reviewed all multiple input drops and has found no additional printouts to be needed. CR has about 1,500 alarms and it is not necessary to print-out all alarms. Some multiple input alarms are those with interlocks to prevent them from coming in during inappropriate plant conditions.*

SIGNOFF

H.F. CONSULTANT (ESSEX) T. [Signature] DATE 10/1/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/986





CLO/HED# 3.1-20

Criterion# 6.3.3.5 b(1) & (2)
6.3.3.5 a (2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
 CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

CLO/HED# 3.1-20

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

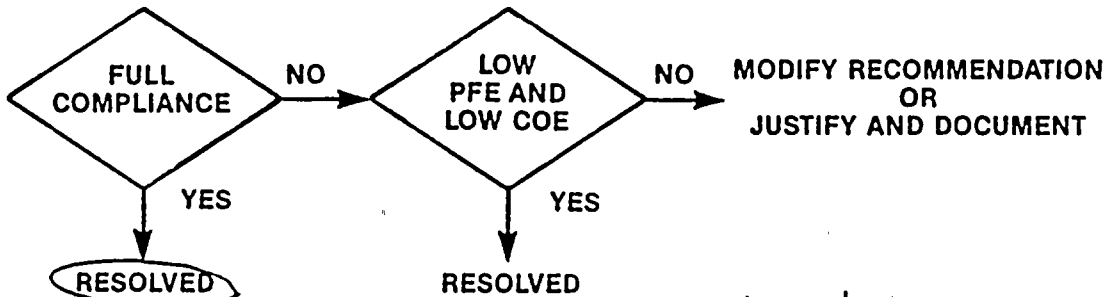
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION *An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.*

SIGNOFF

H.F. CONSULTANT (ESSEX) *[Signature]* DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER *[Signature]* DATE 1/1/86



CLO/HED# 3.1-21

Criterion# 6.6.6.2a(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 3.1-21

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

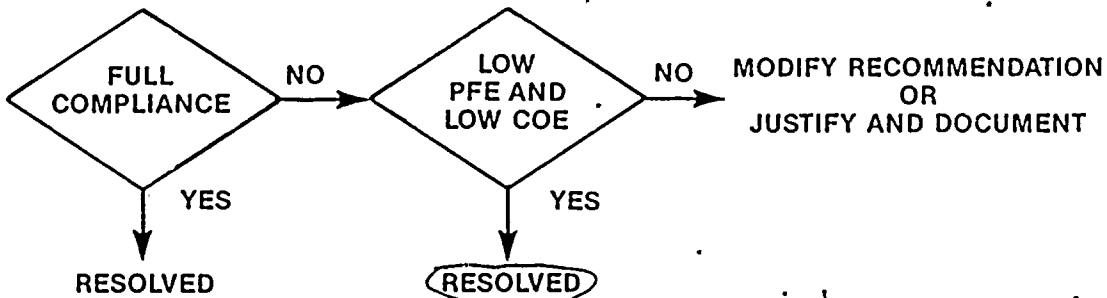
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION Some annunciator arrays do have too many windows, however, to acknowledge an alarm operator has to push the individual button in alarm. Alarms will be rearranged and color coded, but demarcation is not recommended due to narrowness of space between alarms and high probability of visual clutter.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/1/86
 AEPSC PROGRAM LEAD ENGINEER RAIS DATE 1/1/986







CLO/HED# 3.1-22

Criterion# 6.3.3.4a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
 CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

CLO/HED# 3.1-22

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

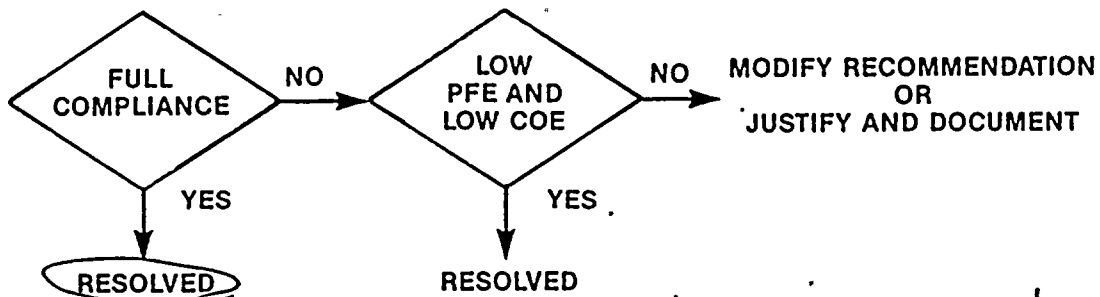
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Tiles are to be re-engraved using standard abbreviations so they are more concise and fit on 3 lines. To be included in the annunciator study.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 4/30/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 3.1-23

Criteria#: 6.3.3.5 b(3)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

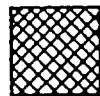
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



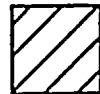
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

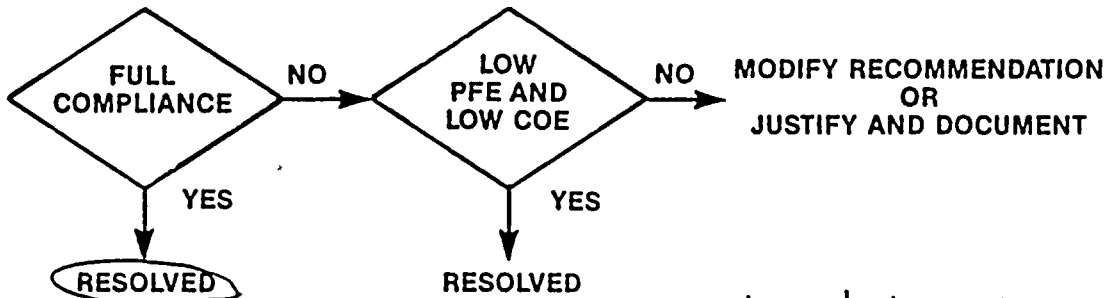
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.

SIGNOFF





H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86

CLO/HED# 3.1 - 24
Criterion # 6.3.3.3 d(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 3.1-24

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

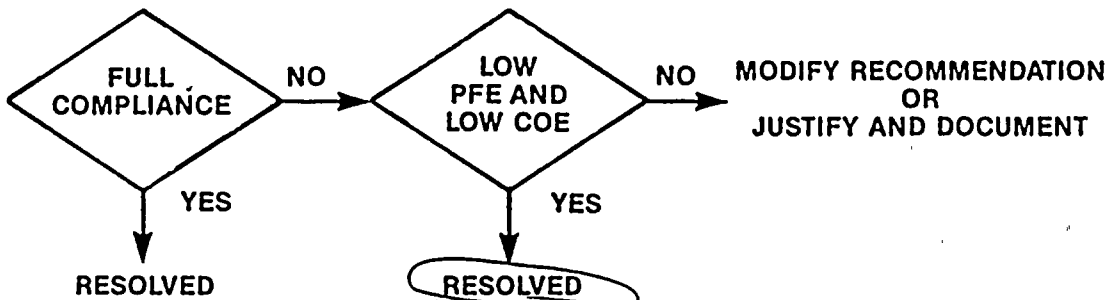
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

The 100 drop annunciator banks will be retained, but alarms are being evaluated for rearrangement and color coding according to priority.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

[Signature]

DATE 11/18/86

AEPSC PROGRAM LEAD ENGINEER _____

[Signature]

DATE 11/19/86



CLO/HED# 3.1-25

6.3.2.1f

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.

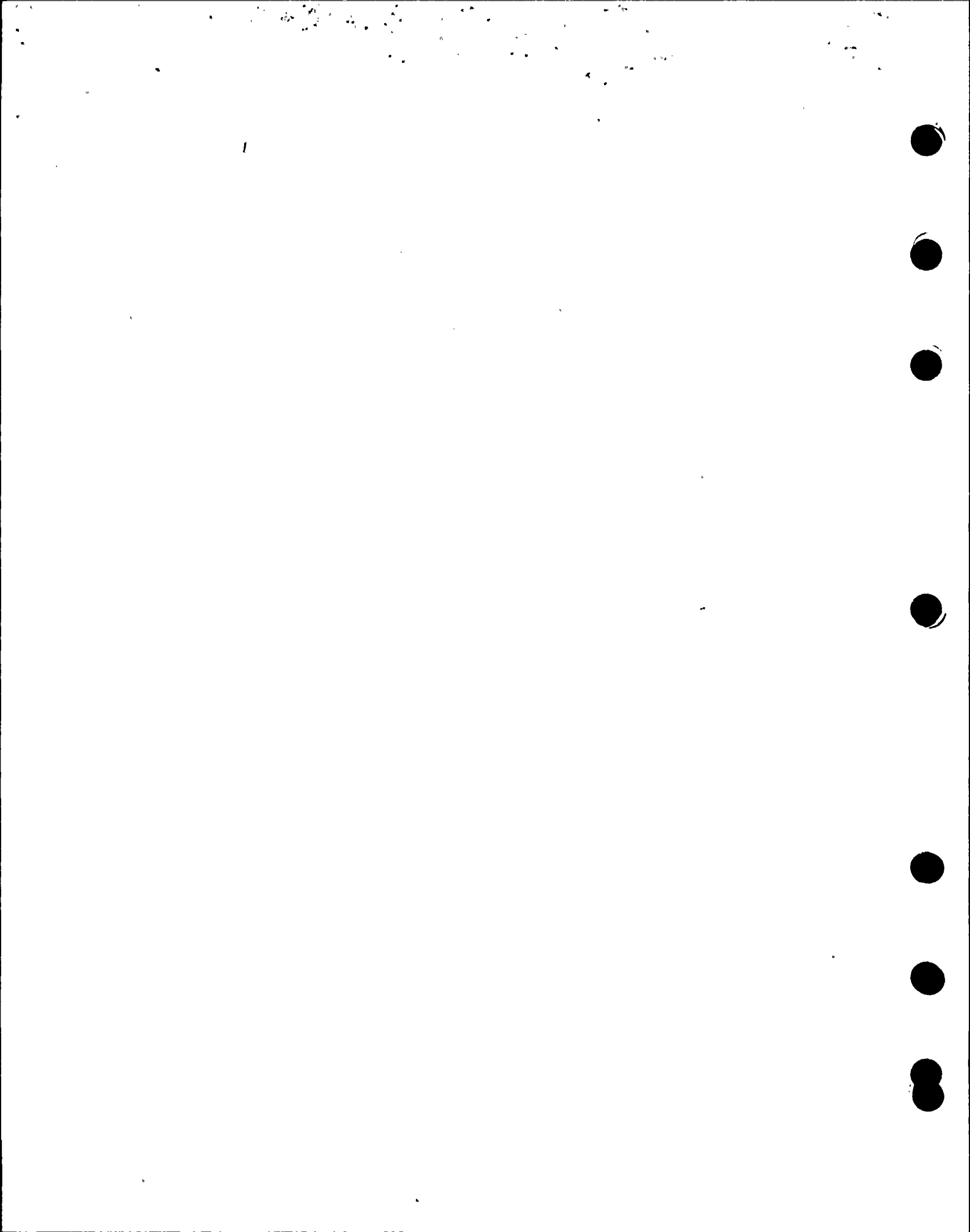


Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED# 3.1-25

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

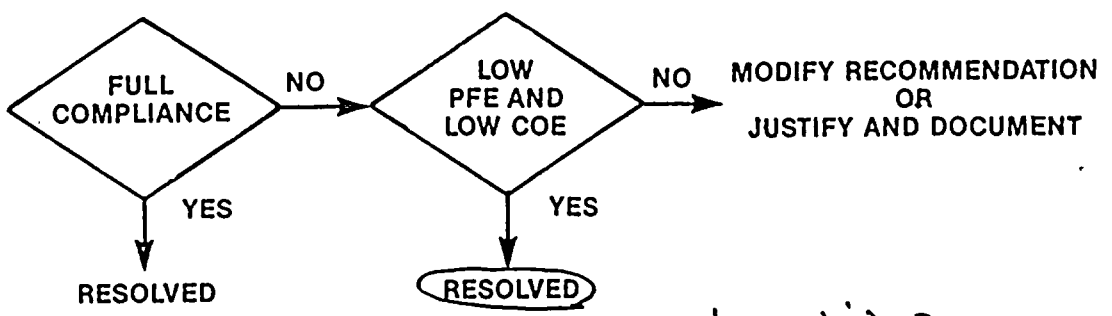
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION There are 3 tones which focus operator's attention to front left, or right. Each annunci. matrix has a "bullseye" light to further focus operator's attention. The "bullseye" for the CW panel annunciators which are normally out of view is located in view on the plant service panel. See 3.1-18

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]
 AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/18/85
 DATE 11/19/86



CLO/HED# 3.1 -26

Criterion#: 6.3.2.1d

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

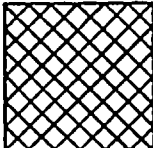
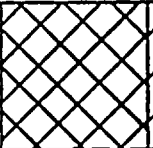
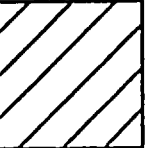
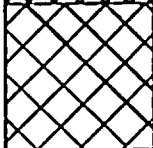
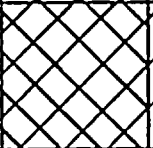
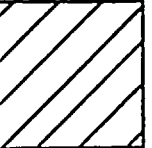
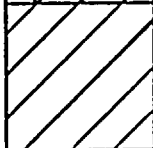
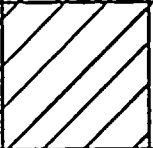

LOW





CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

	Category I --	High priority; corrective action should be taken.
	Category II --	Medium priority; corrective action is highly recommended.
	Category III --	Low priority; corrective action is recommended.
	Category IV --	No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 3.1-26

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

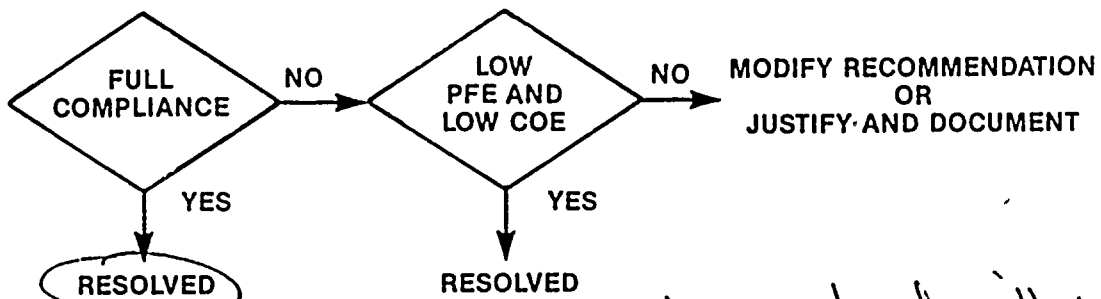
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Speaker output will be adjusted similar to other annunciator speakers in compliance with NUREG-0700 guidelines

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/1986



CLO/HED# 3.1-27

Criterion # 6.3.3.5 c (1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

		High	Medium	Low
High				
Medium				
Low				



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

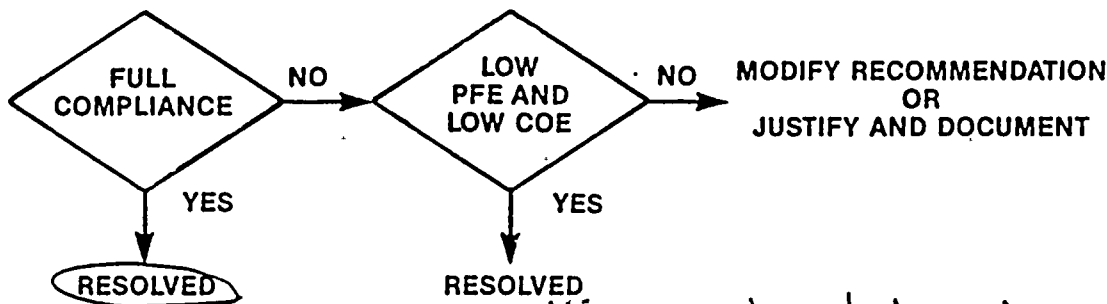
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION *An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.*

SIGNOFF

H.F. CONSULTANT (ESSEX) *[Signature]* DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER *RFS* DATE 11/19/86

CLO/HED# 3.1-28

Criterion# 6.3.3.3 c (1) + (2)
6.8.3.2 d (1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

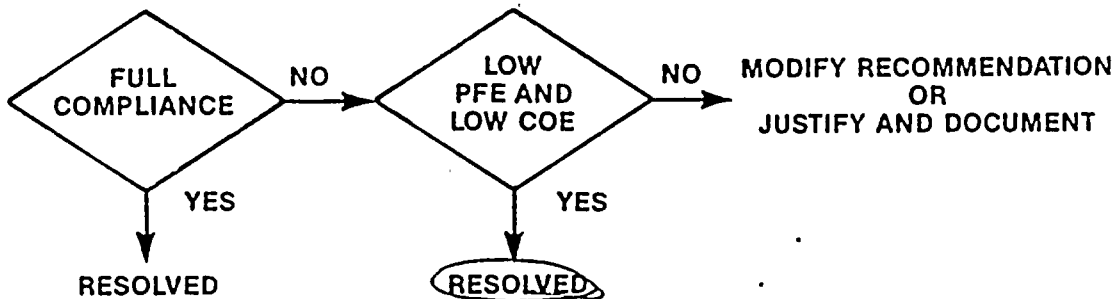
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION No Backfit recommended by HF specialist. D.C. Cook annunciator boxes much smaller than other plants, so labels would clutter displays. Labeling axis would also interfere with current numbering system used.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/1/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/9/86



CLO/HED# 3.1-29

6.3.1.5 b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 3.1-29

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

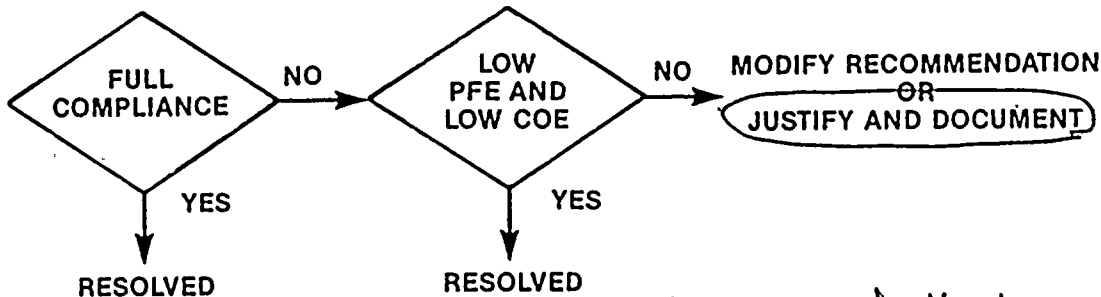
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	<u>MEDIUM</u> LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION Since acknowledged all alarms must be pressed to clear. A cleared alarm would then be dark, if lit it is a new alarm. Therefore, the operator knows if an alarm is new or cleared as soon as the button is pushed.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Vora

DATE 4/29/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/1/986



CLO/HED# 3.1-30

Criterion# 6.3.4.2.C

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

I



CLO/HED# 3.1-30

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

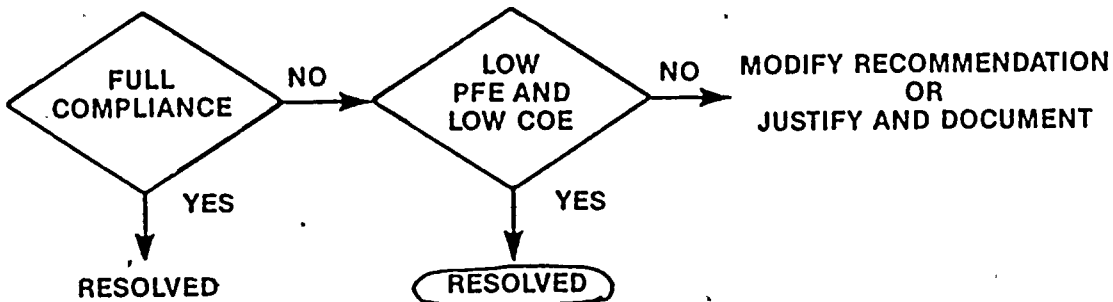
PENDING	DATE
<input type="checkbox"/> FURTHER REVIEW BY _____	_____
<input type="checkbox"/> FURTHER REVIEW BY _____	_____
<input type="checkbox"/> FURTHER REVIEW BY _____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM LOW



EXPLANATION OR JUSTIFICATION There is an ongoing program to fix problem and nuisance alarms (will be continued with Associates Study). Pegging is controlled administratively, all pegging is properly logged.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85
AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 3.1-31

Criterion #: 6.3.3.5 d

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

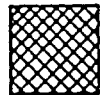
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

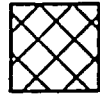
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



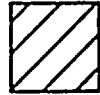
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

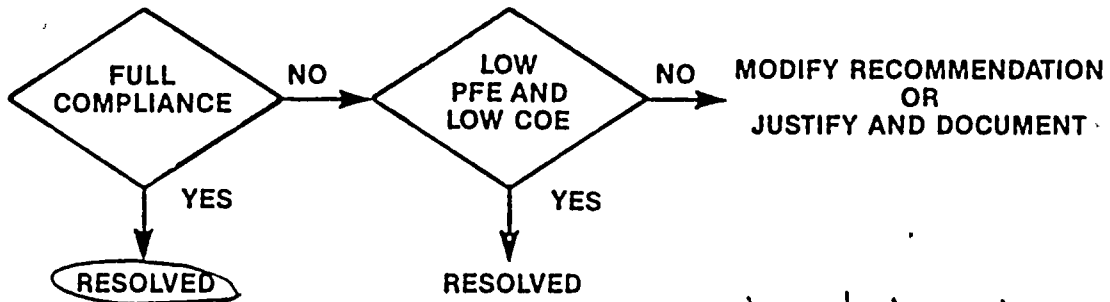
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RAS

DATE 11/19/86



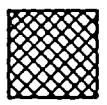
CLO/HED# 3.1-32

Criterion #: 6.3.3.3c(12)

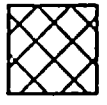
ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
 CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

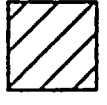
		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



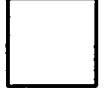
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

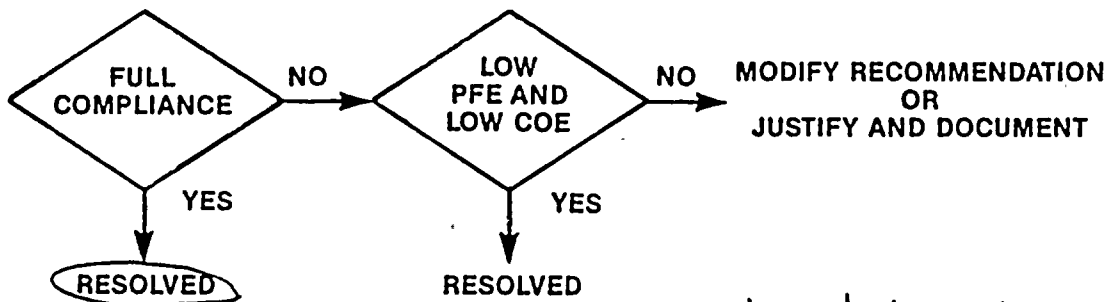
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION *An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.*

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE *11/18/85*

DATE *1/19/86*



CLO/HED# 3.1-33

Criterion# 6.5.1.6 c (1)(2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

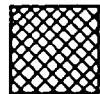
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



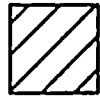
Category I --

High priority; corrective action should be taken.



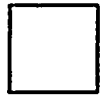
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

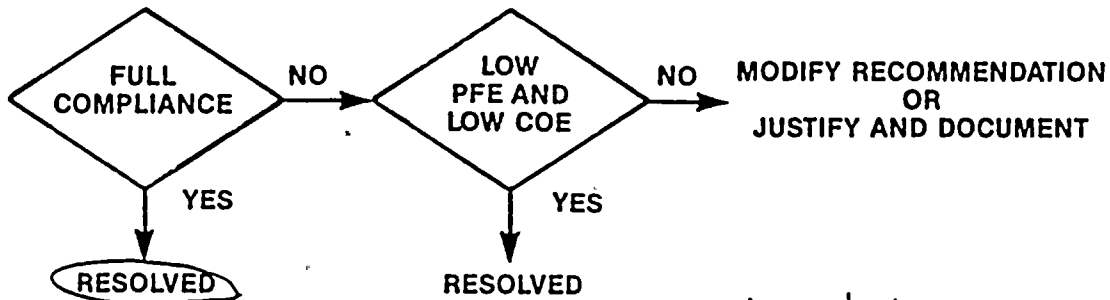
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION *An annunciator study and upgrade program has been initiated. Windows are being evaluated for color coding to indicate priority. Other changes being considered include: re-engraving messages, rearrangement of alarm drops, elimination of nuisance alarms (over 200 fixed thus far) and review of ARPs.*

SIGNOFF

H.F. CONSULTANT (ESSEX) *[Signature]* DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER *[Signature]* DATE 11/19/86



CLO/HED# 4.1-1

6.4.1.2c(D)
6.4.1.2a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

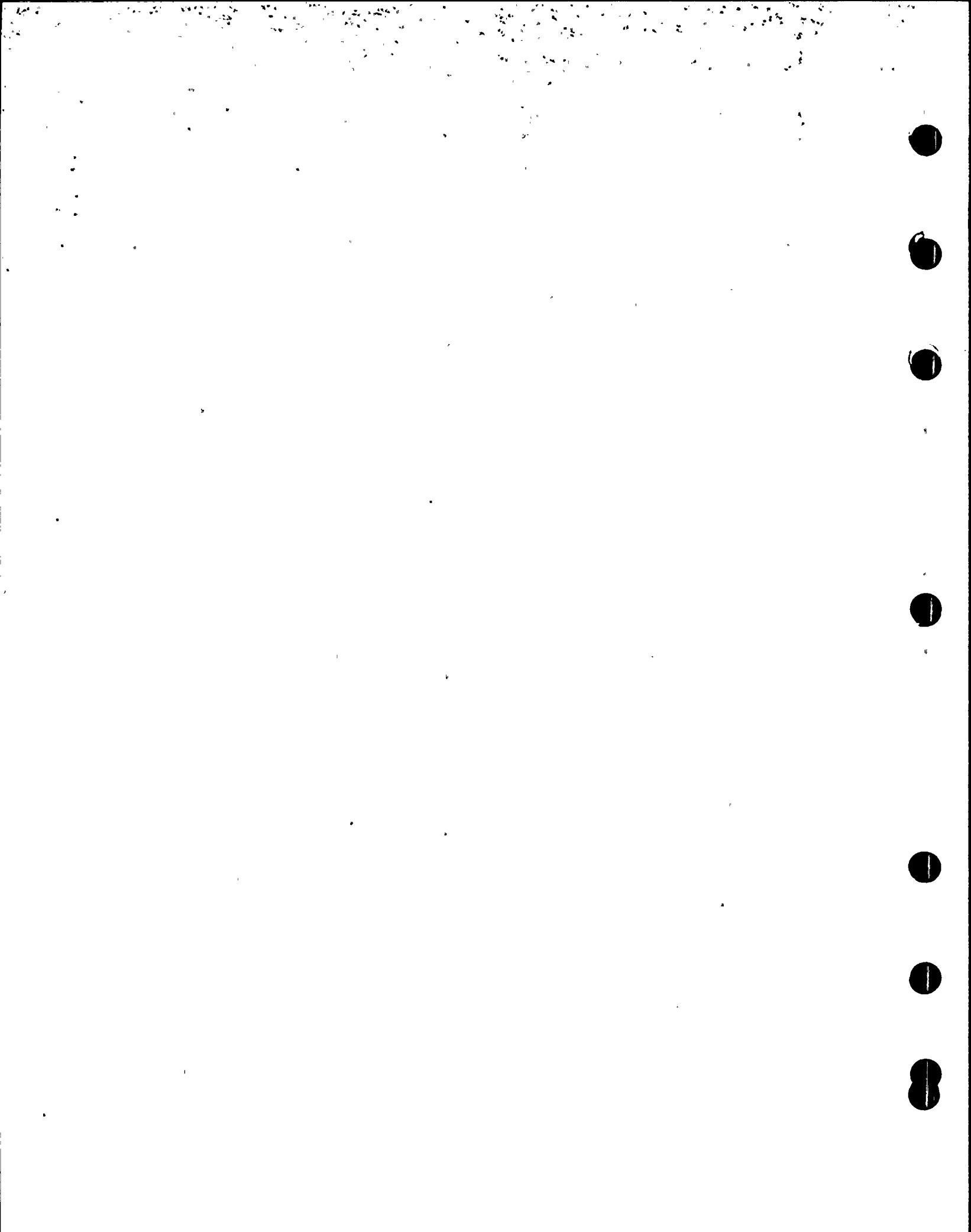
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 4.1-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

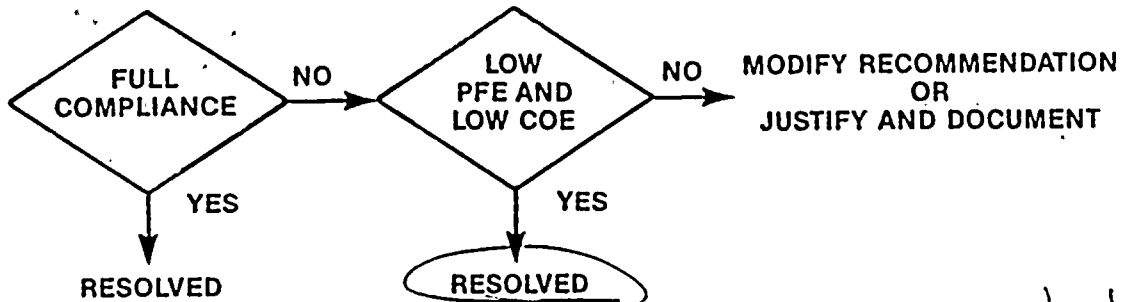
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION *Cold overpressure controls (NRV 152 & 153) have had handles removed to prevent accidental activation. Unit A Main Turbine Valve reset switch has had handle shape & color coded. Other switches will be enhanced by shape coding of handles, demarcation, and labels with red backgrounds where applicable.*

SIGNOFF
 H.F. CONSULTANT (ESSEX) _____ DATE 10/1/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 4.1-2

Commission #: 6.4.1.2.g.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

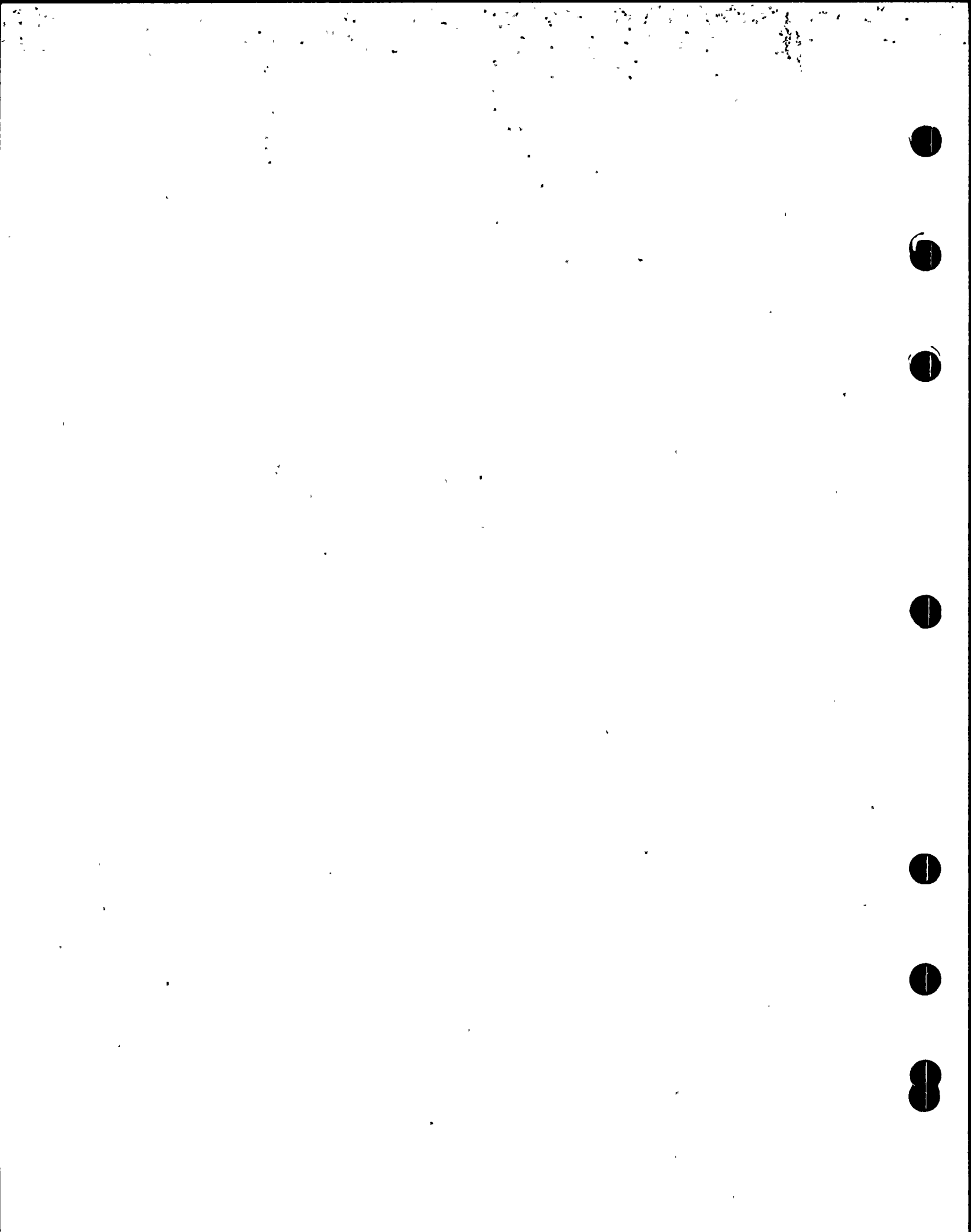


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 4.1-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

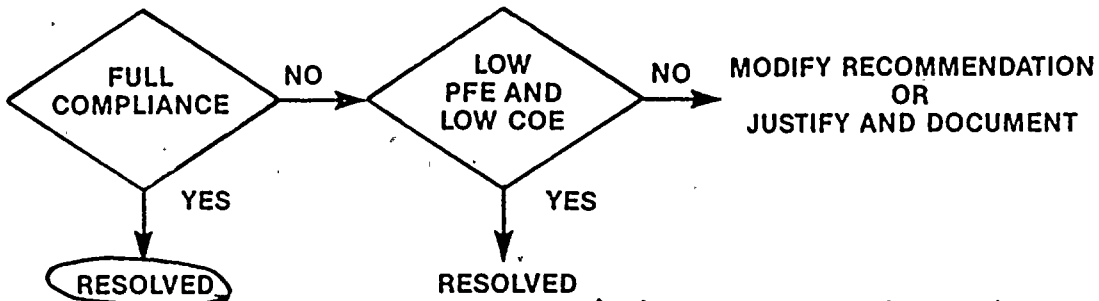
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION The actual problem is that operators have pushed the alarm buttons rather than the test buttons. The problem will be solved by guarding the alarm pushbuttons with an extended guard. 9/30/86 J.V.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/26/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/1986



CLO/HED# 4.1-3

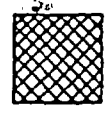
Revision # 6.4.1.2.8

ASSESSMENT RECORD

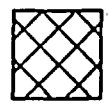
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

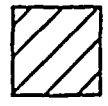
		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



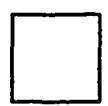
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.

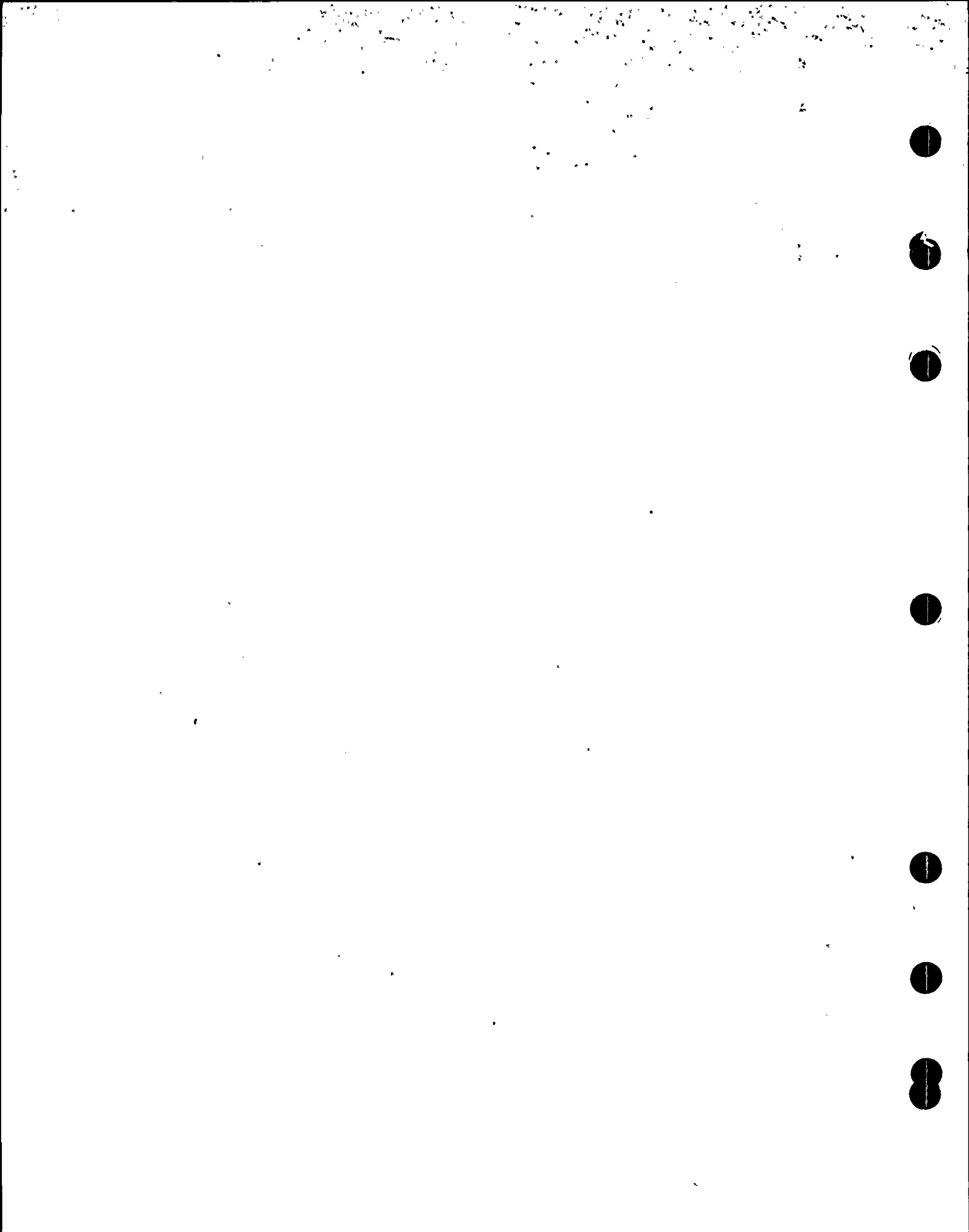


Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 4.1-3

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

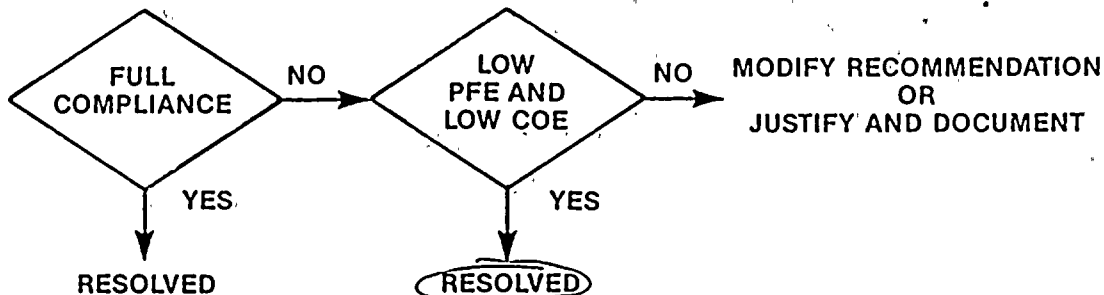
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION Controls have been reviewed for interlock necessity and it was found that mechanical interlocks (as recommended in the guideline) are not necessary since the electrical interlocks on these switches are adequate.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/1/86
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/1/86

CLOIHED# 4.1-4

Continuation # 6.4.1.1.b.(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

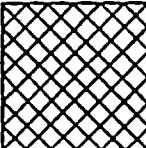
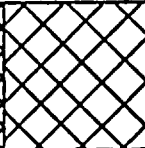
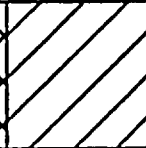
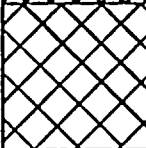
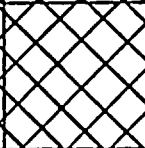
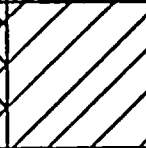
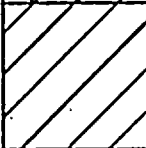

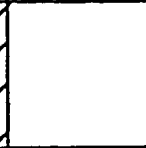
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

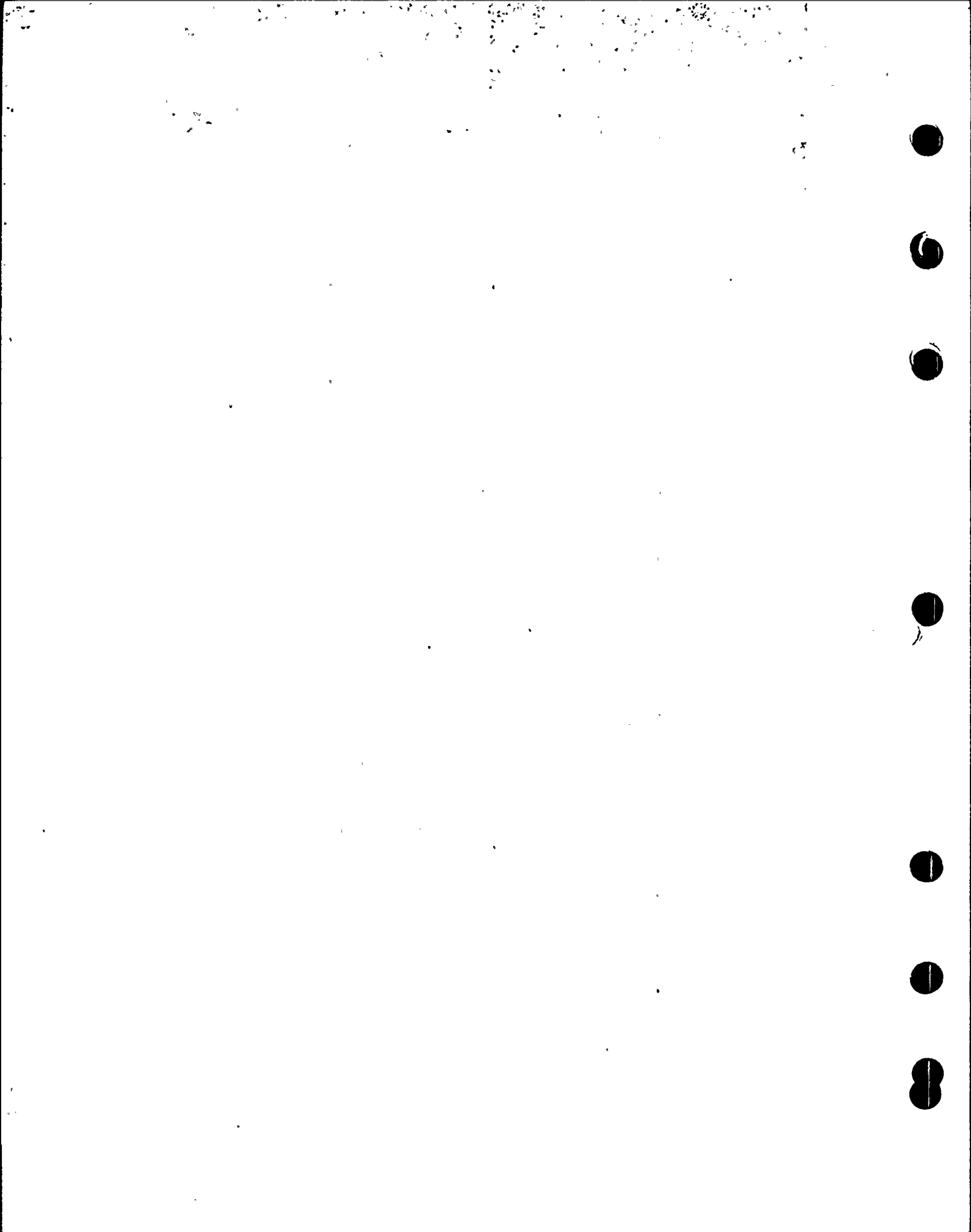


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLOI/ED# 4.1-4

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

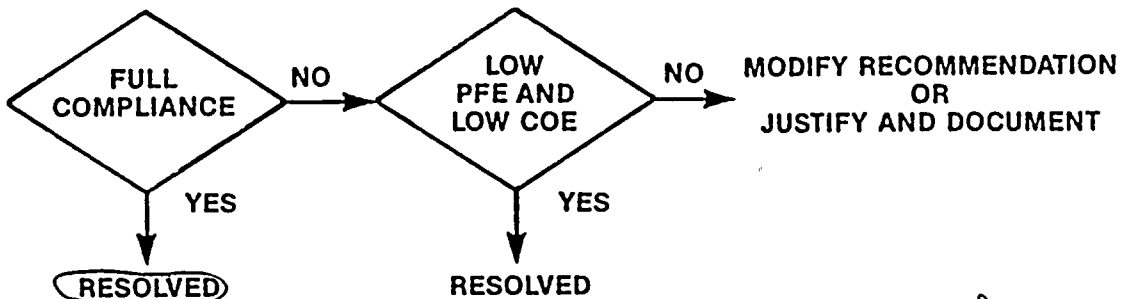
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Controls were reviewed and the following are not necessary: part length rod controls, Generator load frequency controls, feed pump warming line control, MFW pumps hydraulic coupling controls, loose parts monitor, and FW chemical controls. These already have been removed or will be considered for removal.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/1/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/1/86



CLOTHED# 4.1-5

CONSTRUCTION # 16.4.1.1.0.2(2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

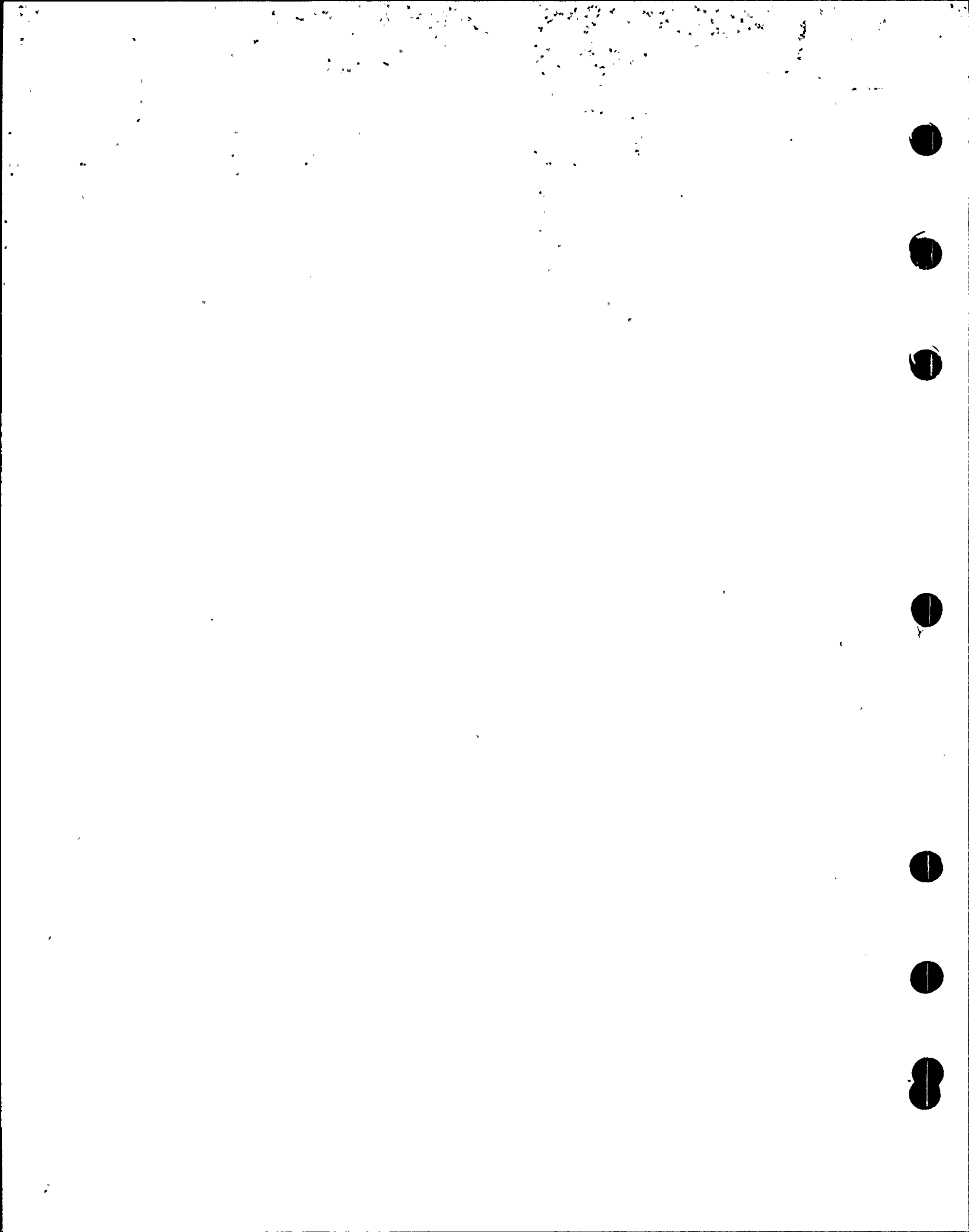


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 4.1-5

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

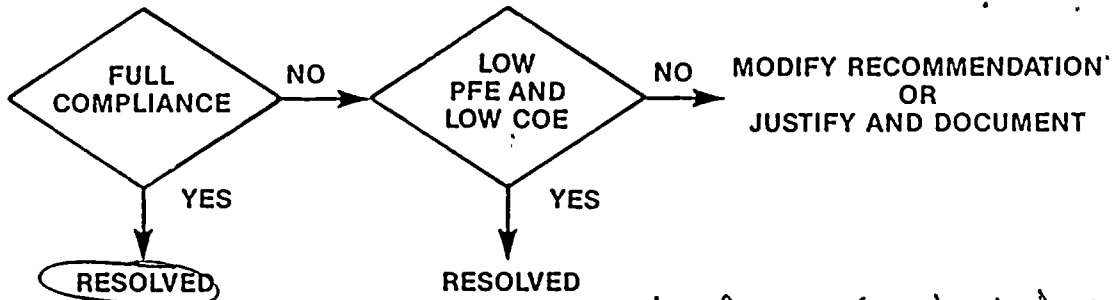
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION The actual problem is that the labeling (ie. Block/Reset) is confusing since an actual reset does not occur. The return labeling will be changed to Unblock/Block. Also the throw action of the switches will be tightened and Cold Overpress switch position labels will be corrected.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/1/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 11/1986

CLO/HED# 4.1-6





Correction #: 64.1.1.2.(3)

ASSESSMENT RECORD

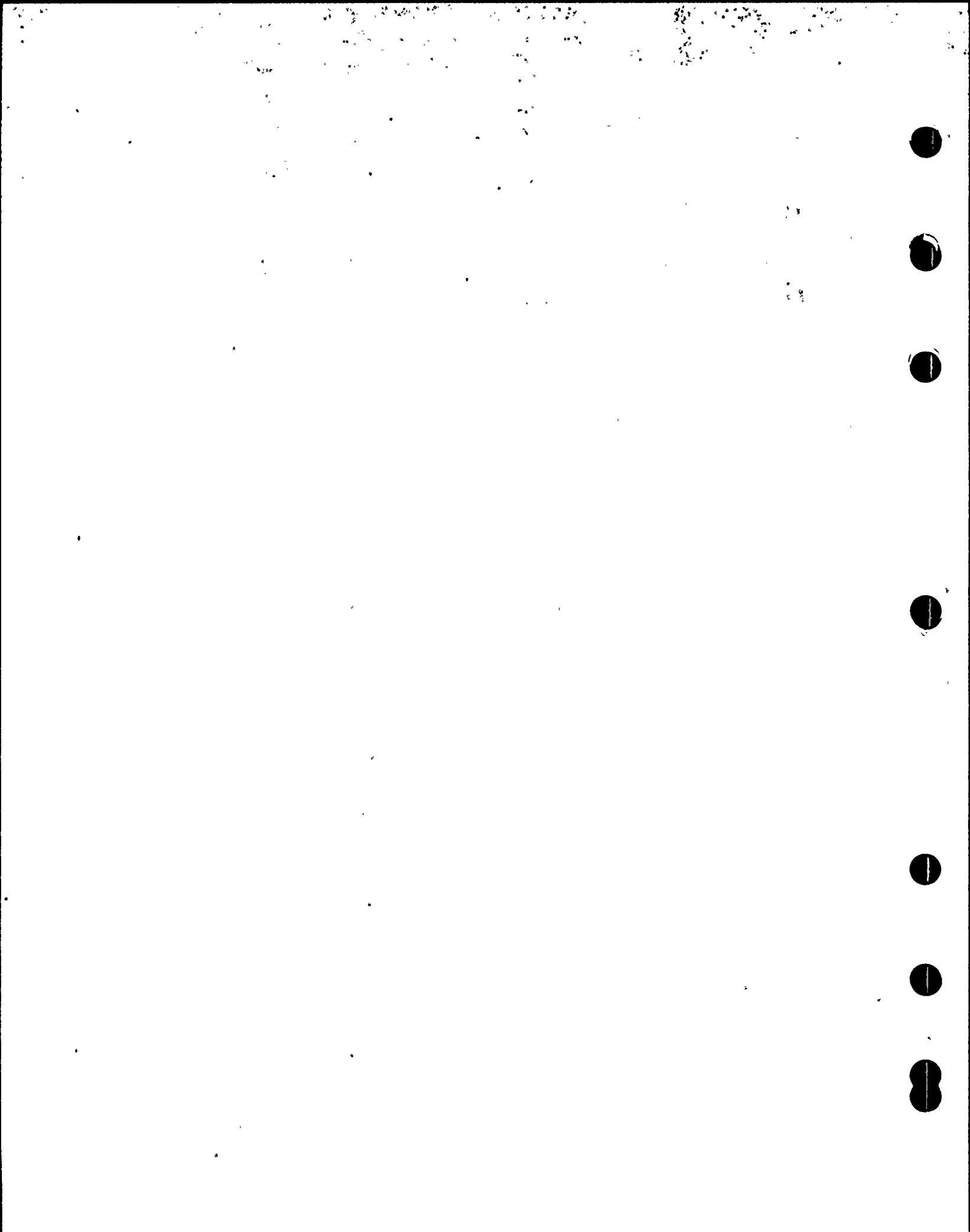
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 4.1-6

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

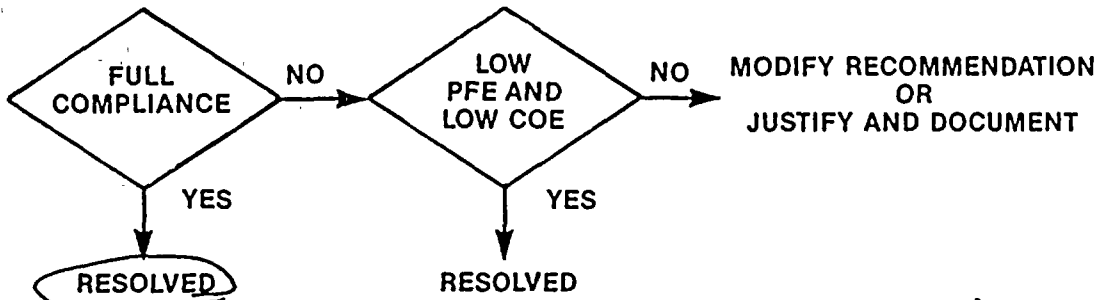
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Turbine adj. pot. + tube oil temp are process controllers which have indicator scales to provide feedback. The controllers will be looked at for maintenance problems. As per HED# 4.1-6, the SG + RRZ SI Block switches ^{are being} will be adjusted so that throw action is tighter.
 NY 973016

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/27/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86

CLO/HED# 4.1-7
6.4.1.1e (3)

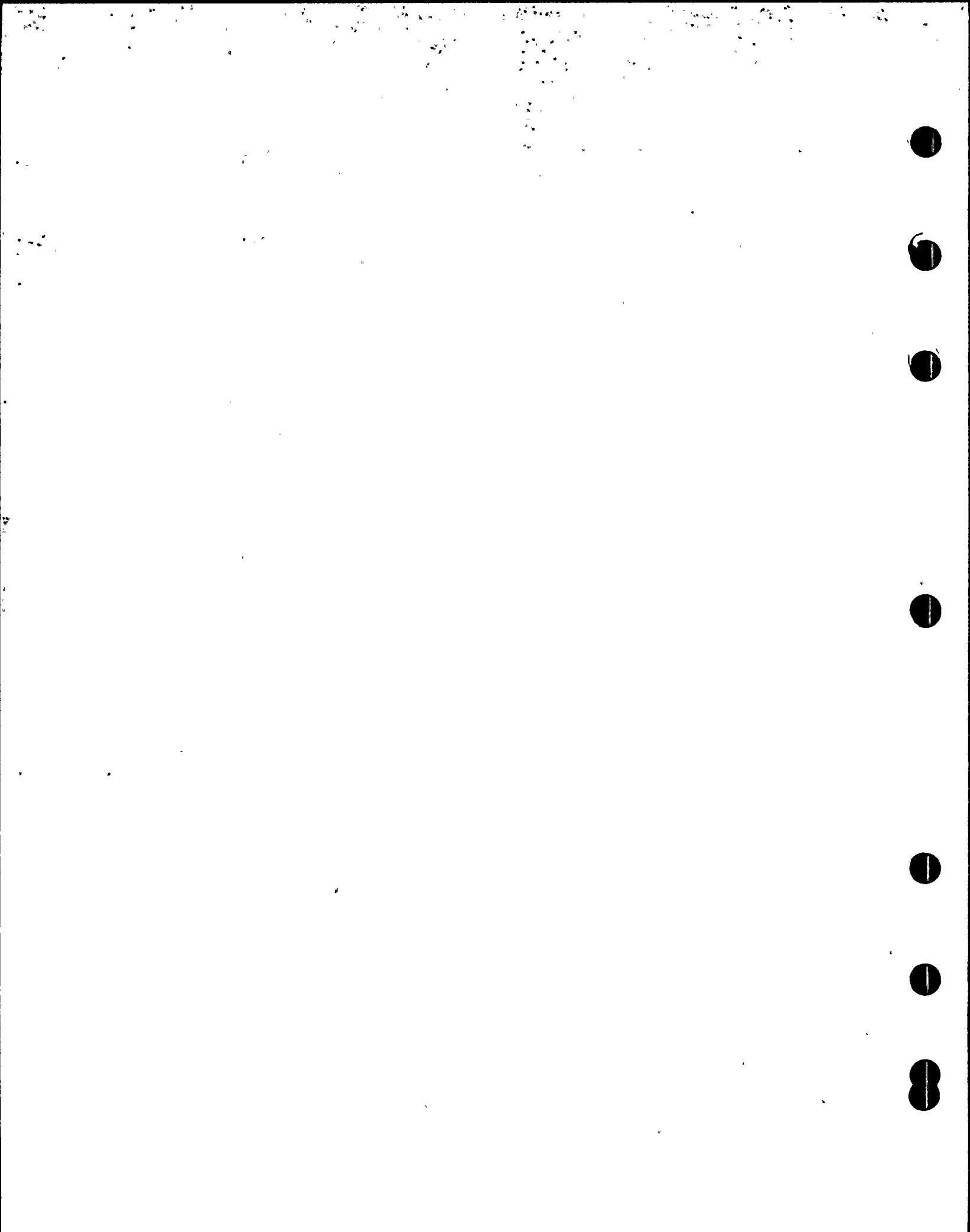
ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
 CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 4.1-7

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS		DATE
PENDING		
<input type="checkbox"/>	FURTHER REVIEW BY _____	_____
<input type="checkbox"/>	FURTHER REVIEW BY _____	_____
<input type="checkbox"/>	FURTHER REVIEW BY _____	_____
DISPOSITION		
<input checked="" type="checkbox"/>	APPROVED	
<input type="checkbox"/>	PARTIALLY APPROVED	
<input type="checkbox"/>	NO ACTION	
<input type="checkbox"/>	OTHER	

EVALUATION			
FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW


```

graph LR
    A{FULL COMPLIANCE} -- YES --> B((RESOLVED))
    A -- NO --> C{LOW PFE AND LOW COE}
    C -- YES --> D[RESOLVED]
    C -- NO --> E[MODIFY RECOMMENDATION OR JUSTIFY AND DOCUMENT]
  
```

EXPLANATION OR JUSTIFICATION Switches are being checked for maintenance problems, and for PULL-TO-LOCK switches torques are being adjusted and handles replaced if needed. Torque adjustment and lubrication of knurled knob switches are being done as needed.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____ DATE 10/1/86

AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86



CLOTHED# 4.1-8

Calculation # 6.4.1.1.2.a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error
High
Medium
Low

High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

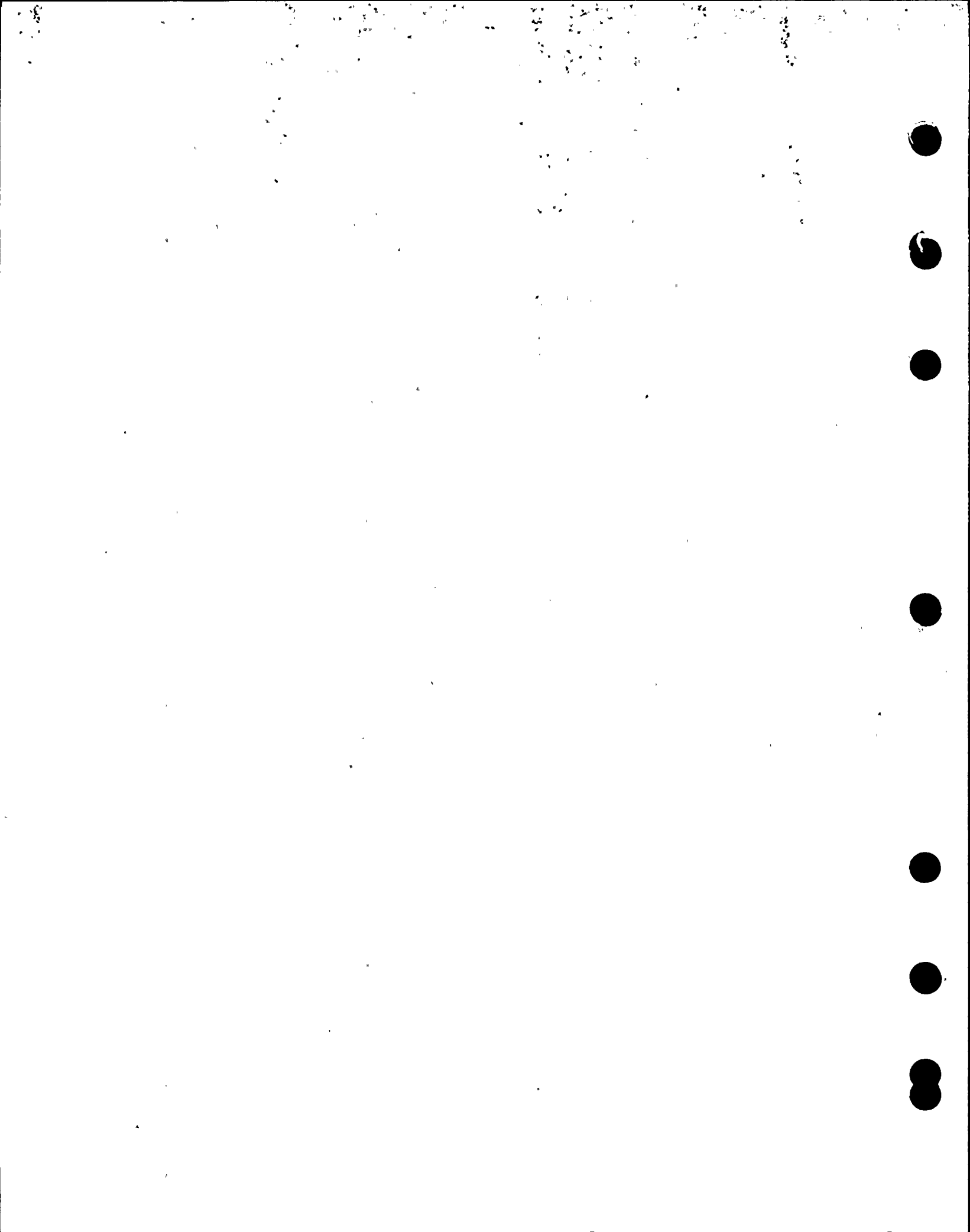
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

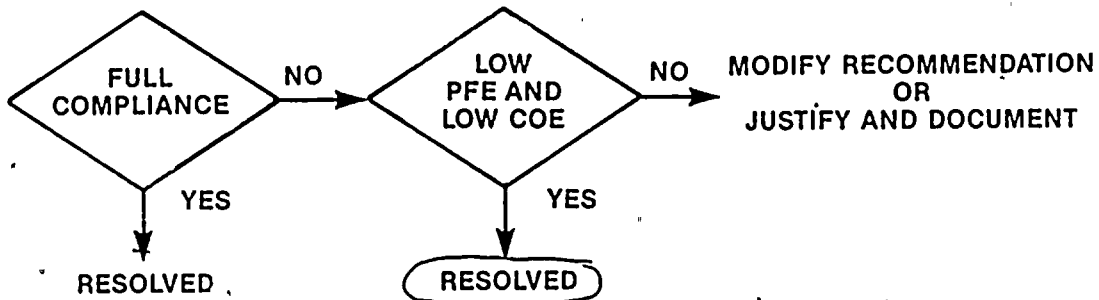
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION The Assessment Team discussed each control type listed and resolved each as follows: (1) Aux feedwater reg. valve controls will be changed so that pull-to-lock is reserved only for overriding auto signal when necessary (go to attached page)

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/27/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

Explanation or justification (continued)

- * (2) Several controllers were listed; if broken a work requisition will be issued, otherwise the problem is not with the controller, the process itself is difficult i.e. equipment out in plant is difficult in response.
 - (3) The turbine adj. pots will be investigated for repair per HED # 4.1-6.
 - (4) The pistol grip turbine controls on Unit 2 are more difficult to use than those on Unit 1, but replacement would necessitate replacing entire system which is not feasible. Controls are usable as is and do provide a sufficient range of control.
 - (5) RHR. Flow controls are difficult to use due to a problem with the RHR valves themselves. The RHR valves may be replaced.
 - (6) CCW Heat Exchanger Valve controls were not deemed difficult to operate after input from operations specialists and discussion by Assessment Team.
 - (7) The Bailey FW Heater controls and the Auto turbine roll control will be fixed or adjusted by plant personnel, as necessary.
- * Included in (2) above are NIS 10 TURN POTS, HOTWELL LEVEL MAKEUP + LETDOWN, CONDENSATE MAKEUP + LETDOWN, TRAIN CONTROLS, SG LEVEL, + CHARGING FLOW. *NV*



CLO/HED# 4.1-9

6.4.2.1

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

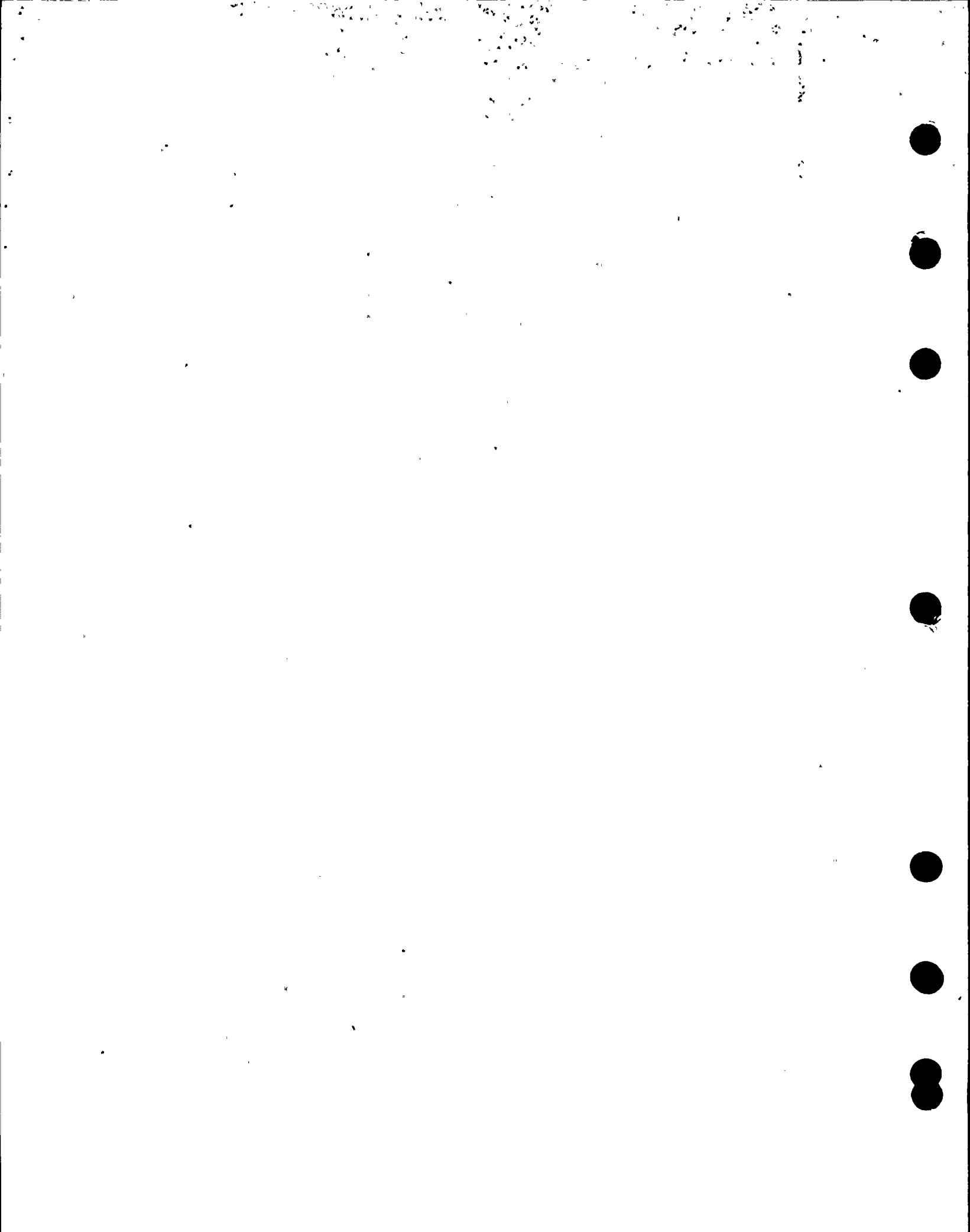


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 4.1-9

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

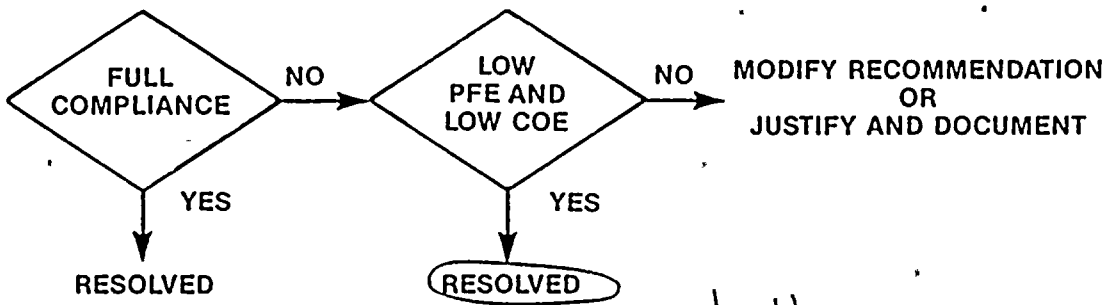
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Some controllers are pneumatic and some are electronic, but it is not feasible to modify either to work in the reverse direction. However, shape code handles are being installed as are arrows for direction to open.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 10/1/86

AEPSC PROGRAM LEAD ENGINEER

RAS

DATE 11/9/86

CLO/HED# 4.1-10

revision #: 6.4.2.2.b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

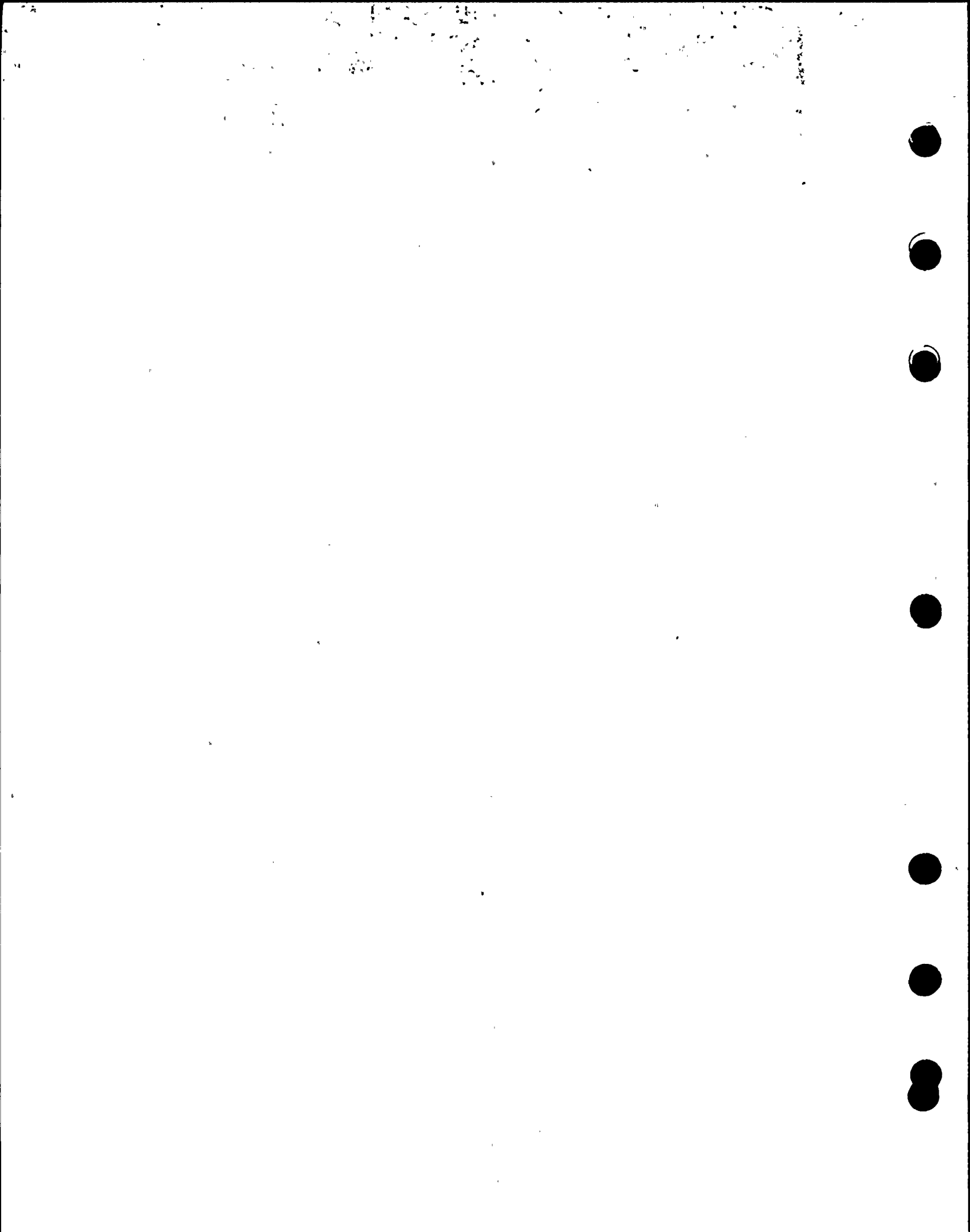
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 4.1-10

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

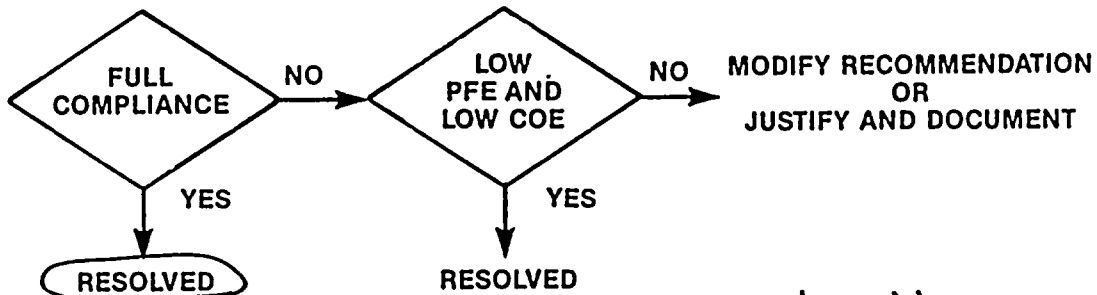
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION MSR components will be rearranged so they are all in East/West order and will be relabelled accordingly. CCW valve controls are already in the best location, since the Outlet Cross-tie controls require precise adjustment and would be too low for precise adjustment if moved down.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/2/86
 AEPSC PROGRAM LEAD ENGINEER RAIS DATE 1/19/86



CLO/HED# 4.1-11

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

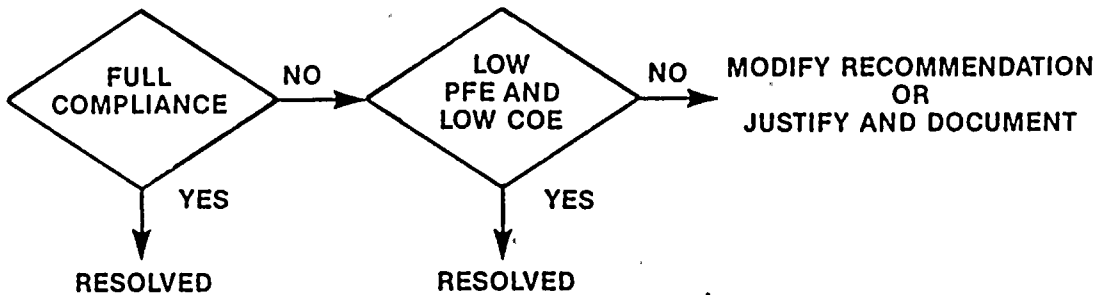
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES
POTENTIAL FOR ERROR (PFE)	HIGH MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH MEDIUM	LOW



EXPLANATION OR JUSTIFICATION This is not an HED. CLO is not correct, there is a three position spring return-to-center switch used for the load changer on the turbine control.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/27/85
AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLOTHED# 4.1-12

Correction #: 6.4.4.3.9
6.5.4.1.8

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

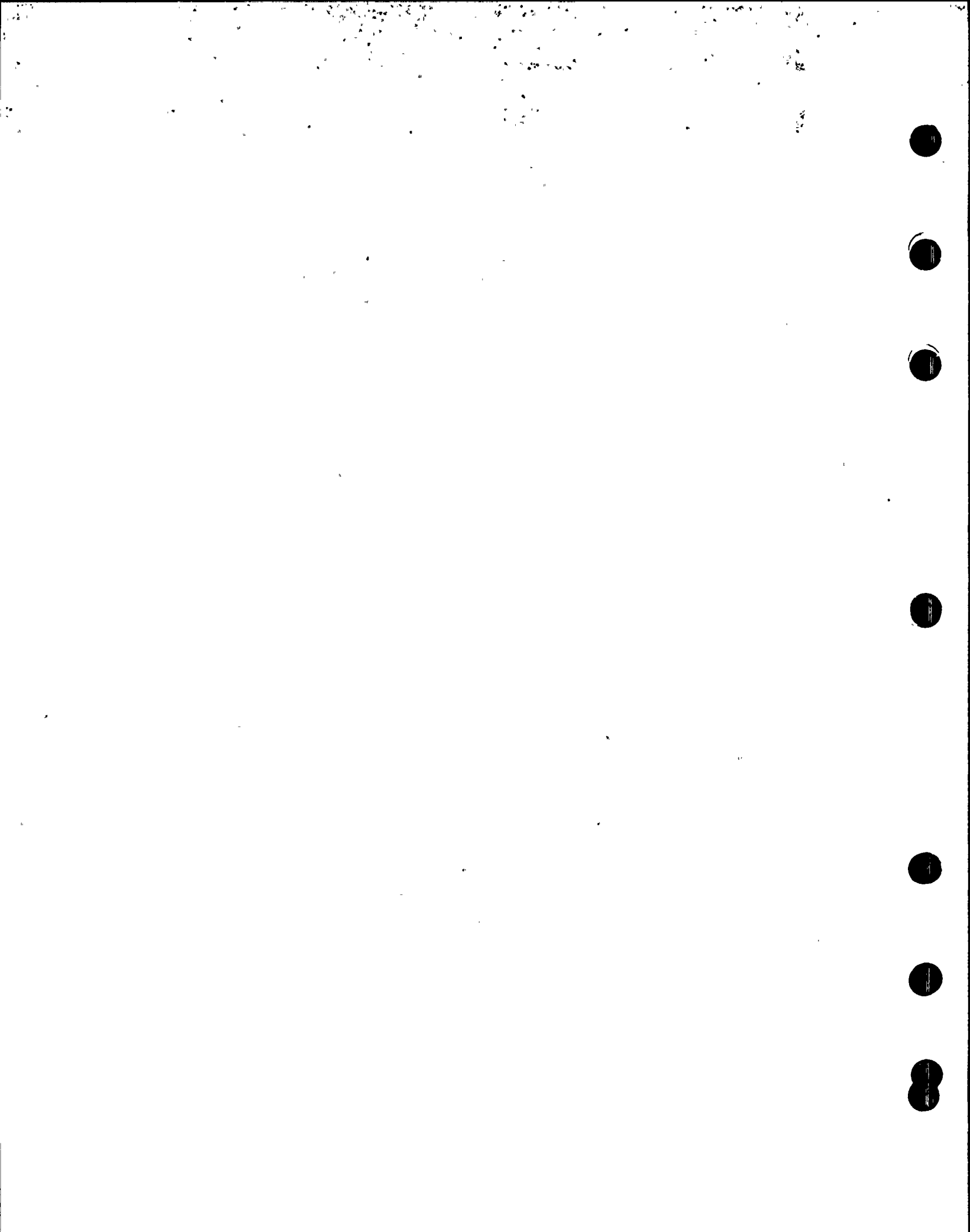


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 4.1-12

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

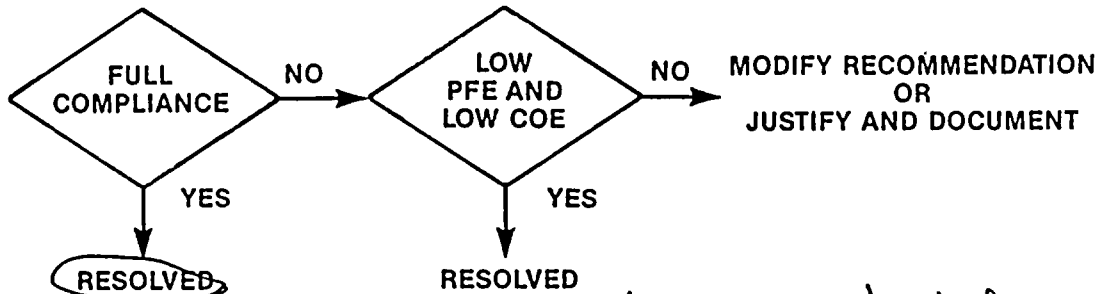
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Locks are unlocked and have been disabled by discarding the keys.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/27/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86



CLO/HED# 4.1-13

6.4.1.12 (1)

ASSESSMENT RECORD

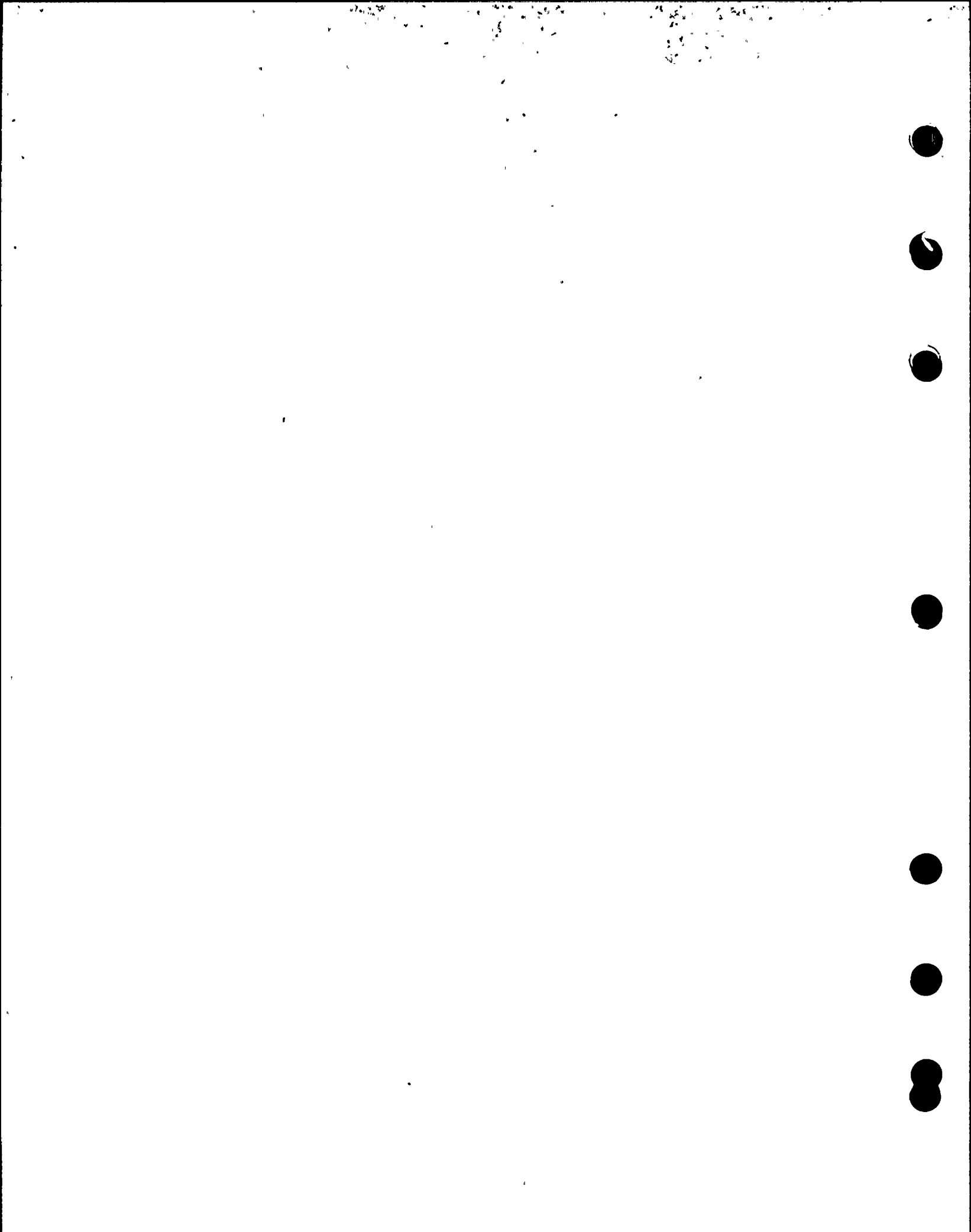
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 4.1-13

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

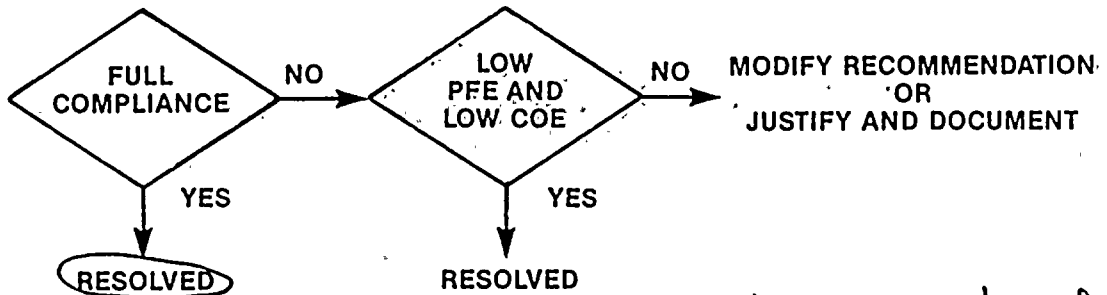
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Scales will be replaced
and maintained intact.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____ DATE 11/27/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 4.1-14

6.4.1.2.c(2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

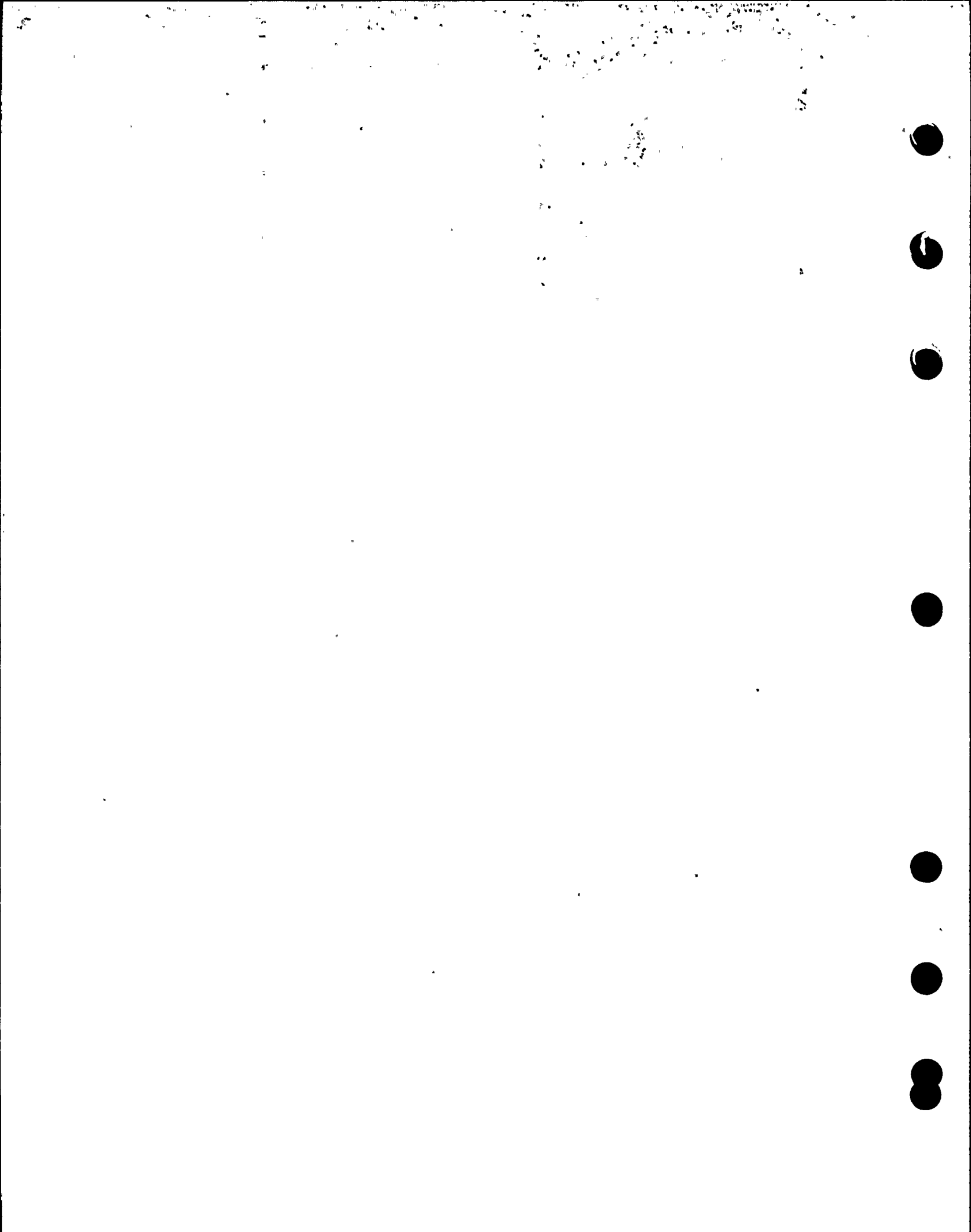
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 4.1-14

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

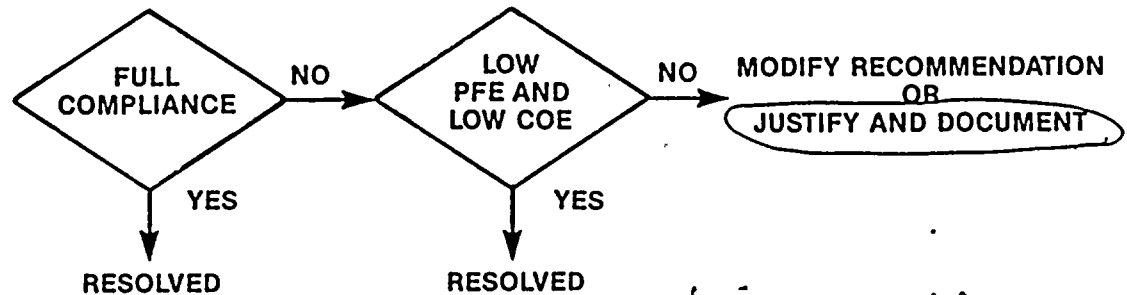
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	<u>HIGH</u>	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Plastic ties were added to provide administrative control to prevent accidental activations. Pushing buttons is not time critical and since guarded buttons have been activated in past, AEPSC feels it is necessary to maintain plastic ties to prevent future incidents.

SIGNOFF

H.F. CONSULTANT (ESSEX)	<u>[Signature]</u>	DATE	<u>10/1/86</u>
AEPSC PROGRAM LEAD ENGINEER	<u>[Signature]</u>	DATE	<u>11/24/86</u>



CLO/HED# 4.1-15

6.4.3.3 d.(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

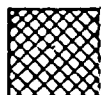
MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

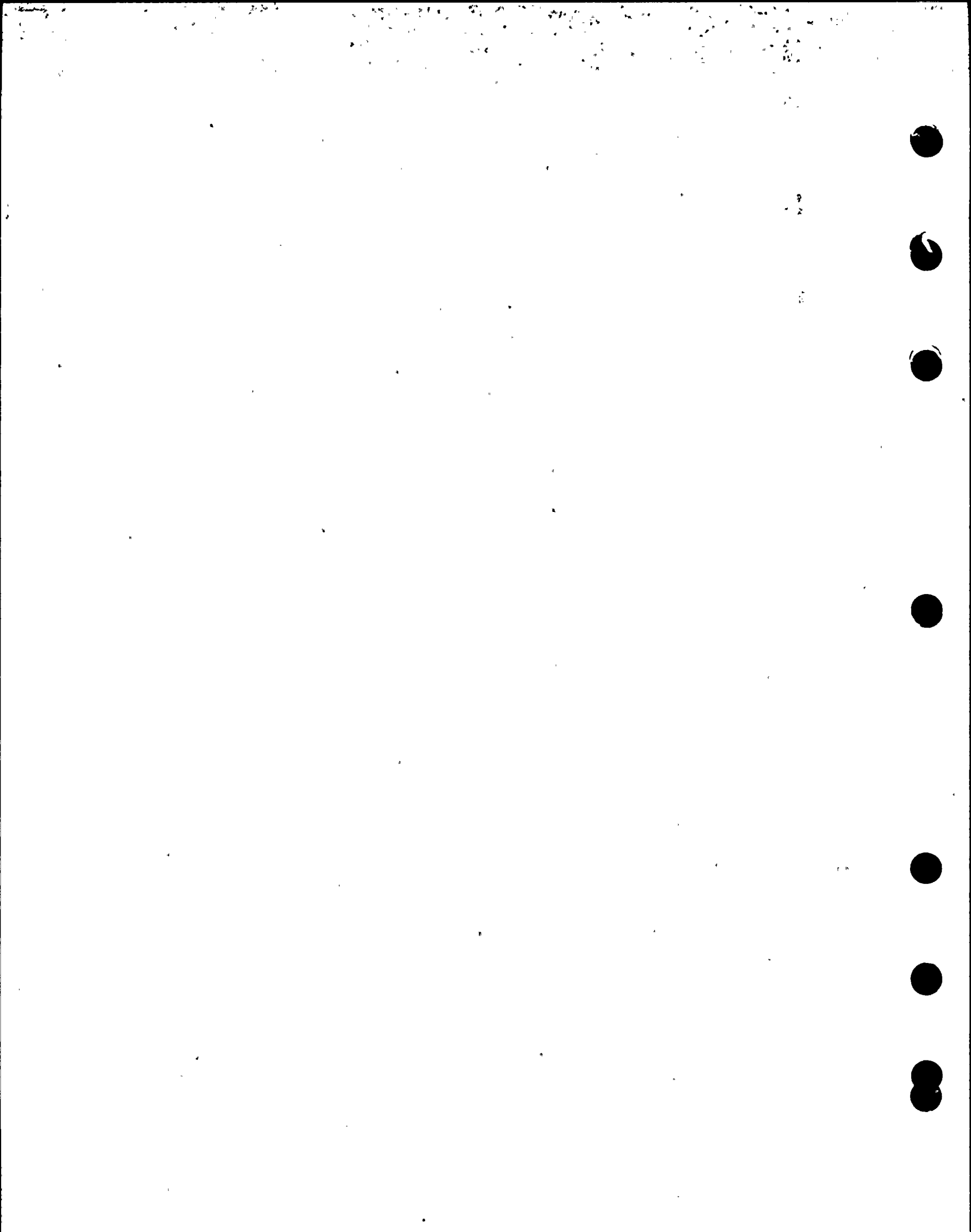
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED# 4.1-15

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

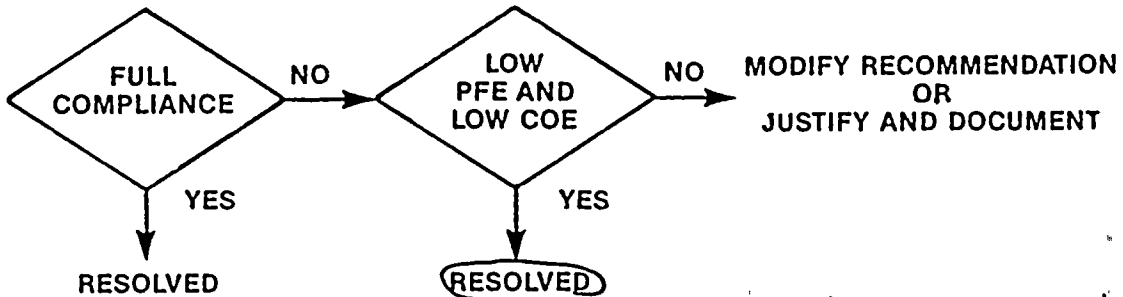
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

The bank selected/bank sequence buttons do have barriers. Operators report no problem with the push buttons on the FCC panel. Therefore, no change is needed.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 11/27/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/19/86



CLO/HED# 4.1-16

6.4.2.1

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

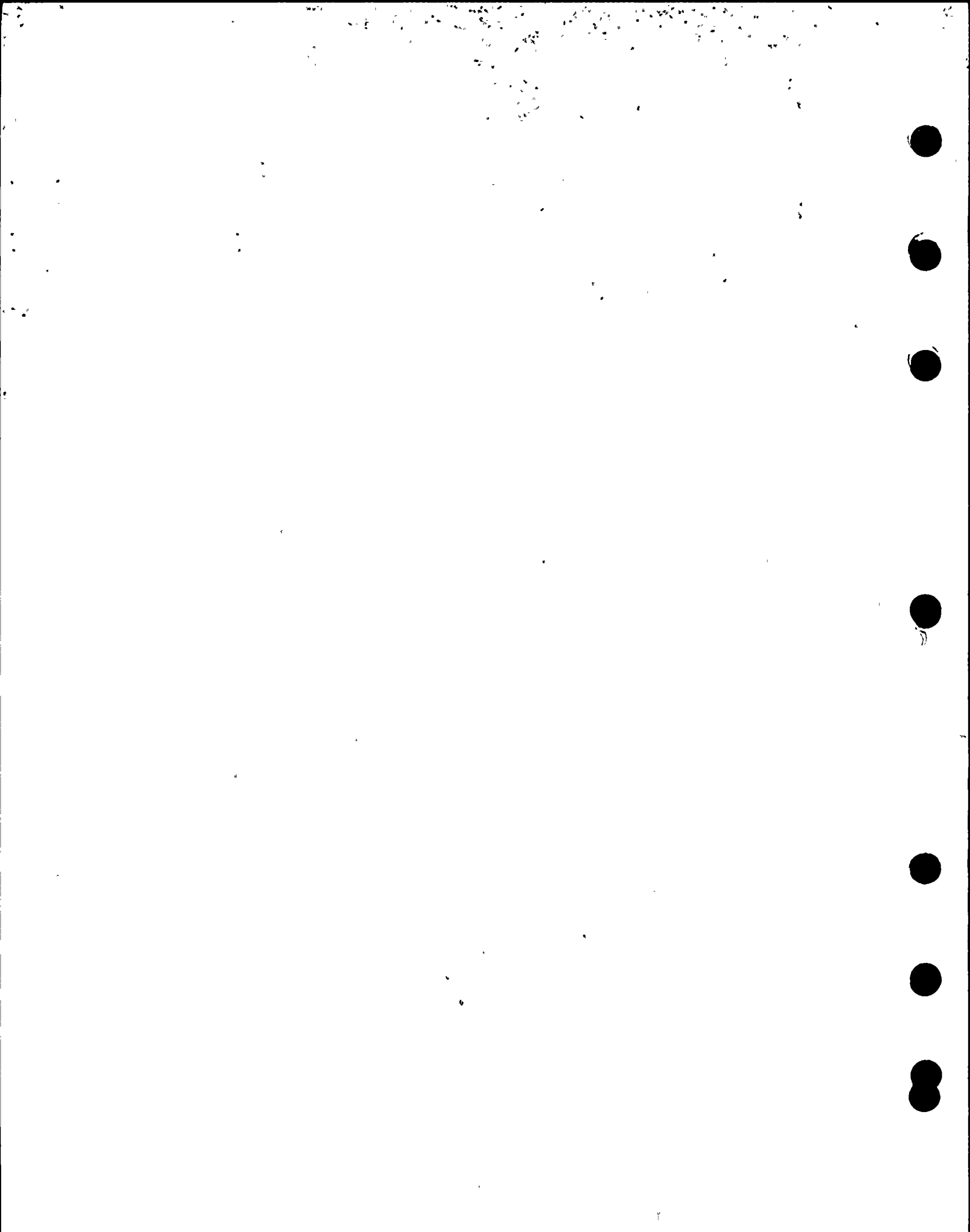


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 4.1-16

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

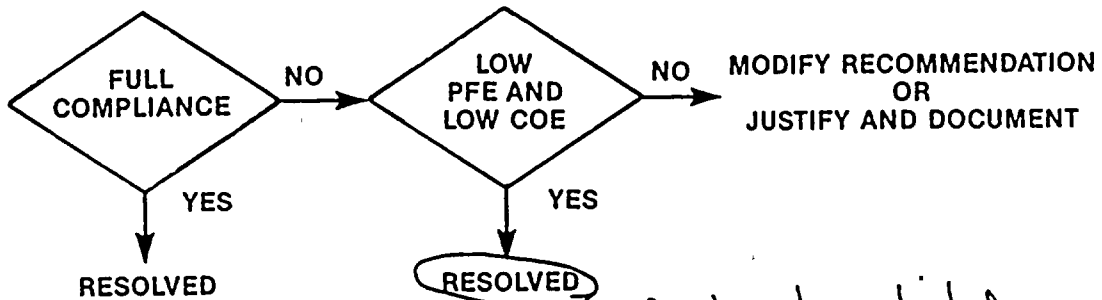
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM.

LOW



EXPLANATION OR JUSTIFICATION Each of the items listed was discussed and the significant ones will be modified to conform to population stereotypes: The 8 d-handle rotaries on the VS panel will be considered for correction; HP-520-IL is easy understood (go to next page)

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 1/2/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/19/86



EXPLANATION OR JUSTIFICATION (CONTINUED)

and will not be modified; FRV-267 + FRV-266 are being evaluated for removal from the panels; FRV-252 + FRV-254 are being evaluated for modification to "CLOSED-AUTO-OPEN"; labeling on ORV-302 will be modified to "VCT-DEMIN"; the remaining items are of low criticality, not used by operators, are easily recovered from, or are regulated automatically so that modifications are not warranted.

TV

CLO/HED# 4.1-17

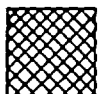
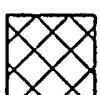
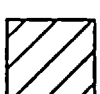
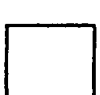
6.4.4/a

ASSESSMENT RECORD

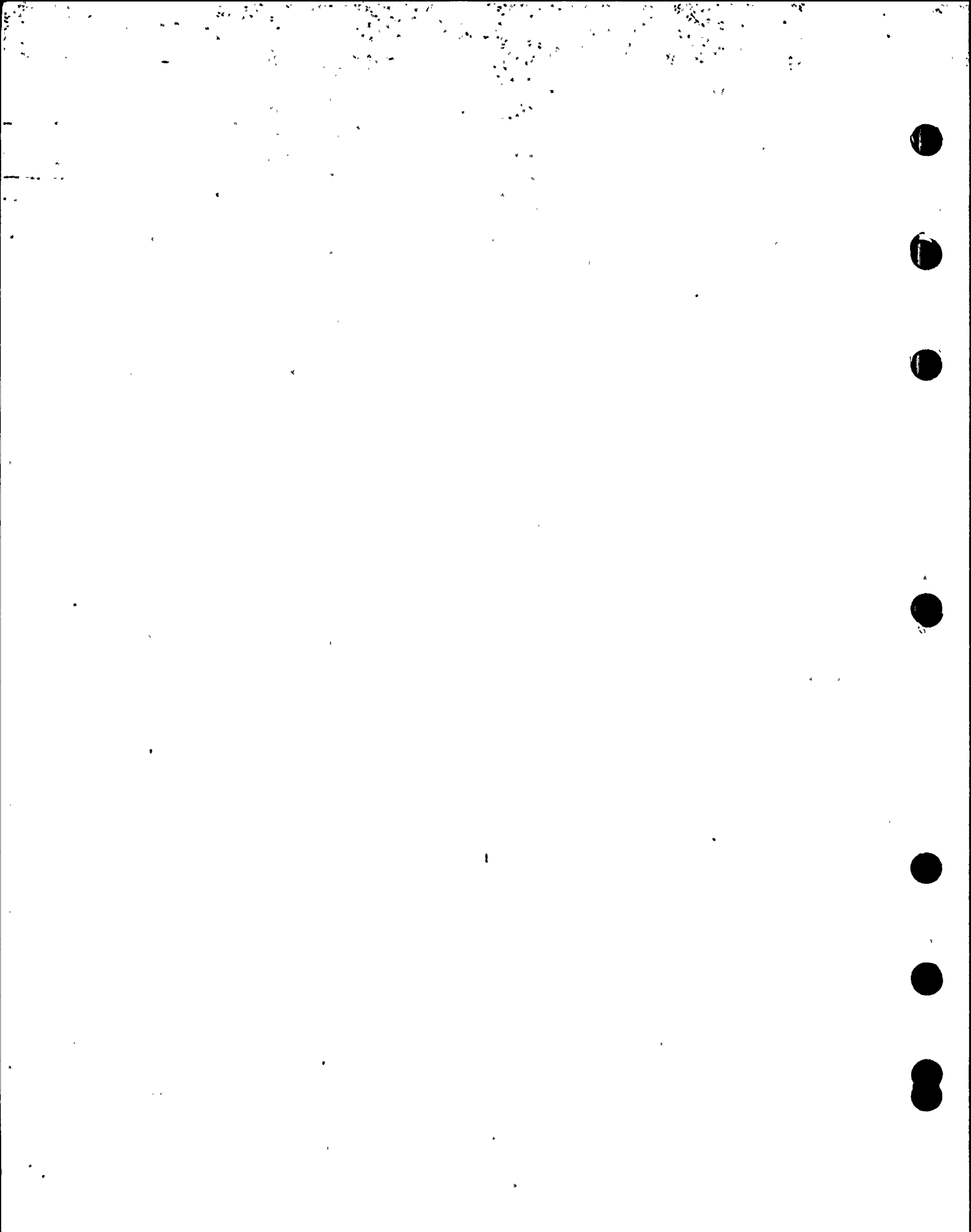
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 4.1-17

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

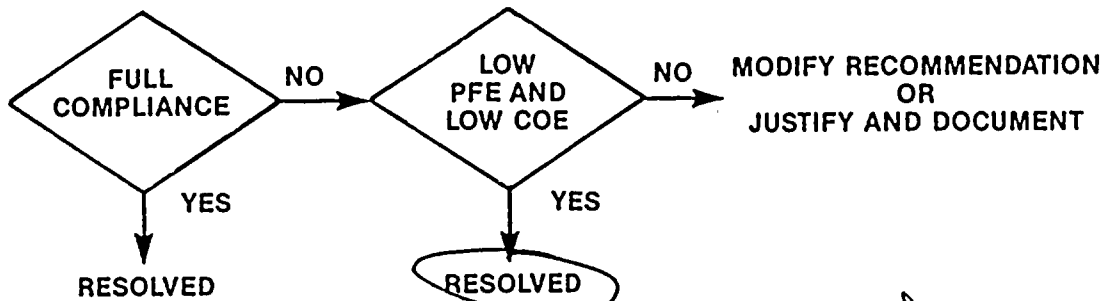
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION *8 controls on VS panel are to be considered for correction per 4.1-16. The remaining controls do not require any modification since they are easily understood, non critical in nature, not backwards from an operations viewpoint, not used by operators, or are being replaced.*

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 1/2/86

AEPSC PROGRAM LEAD ENGINEER

[Signature]

DATE 1/1/86



CLOIHED# 4.1-18

6.4.4.5c

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

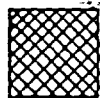
Low

Potential For Error

High

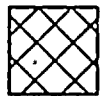
Medium

Low



Category I ..

High priority; corrective action should be taken.



Category II ..

Medium priority; corrective action is highly recommended.



Category III ..

Low priority; corrective action is recommended.

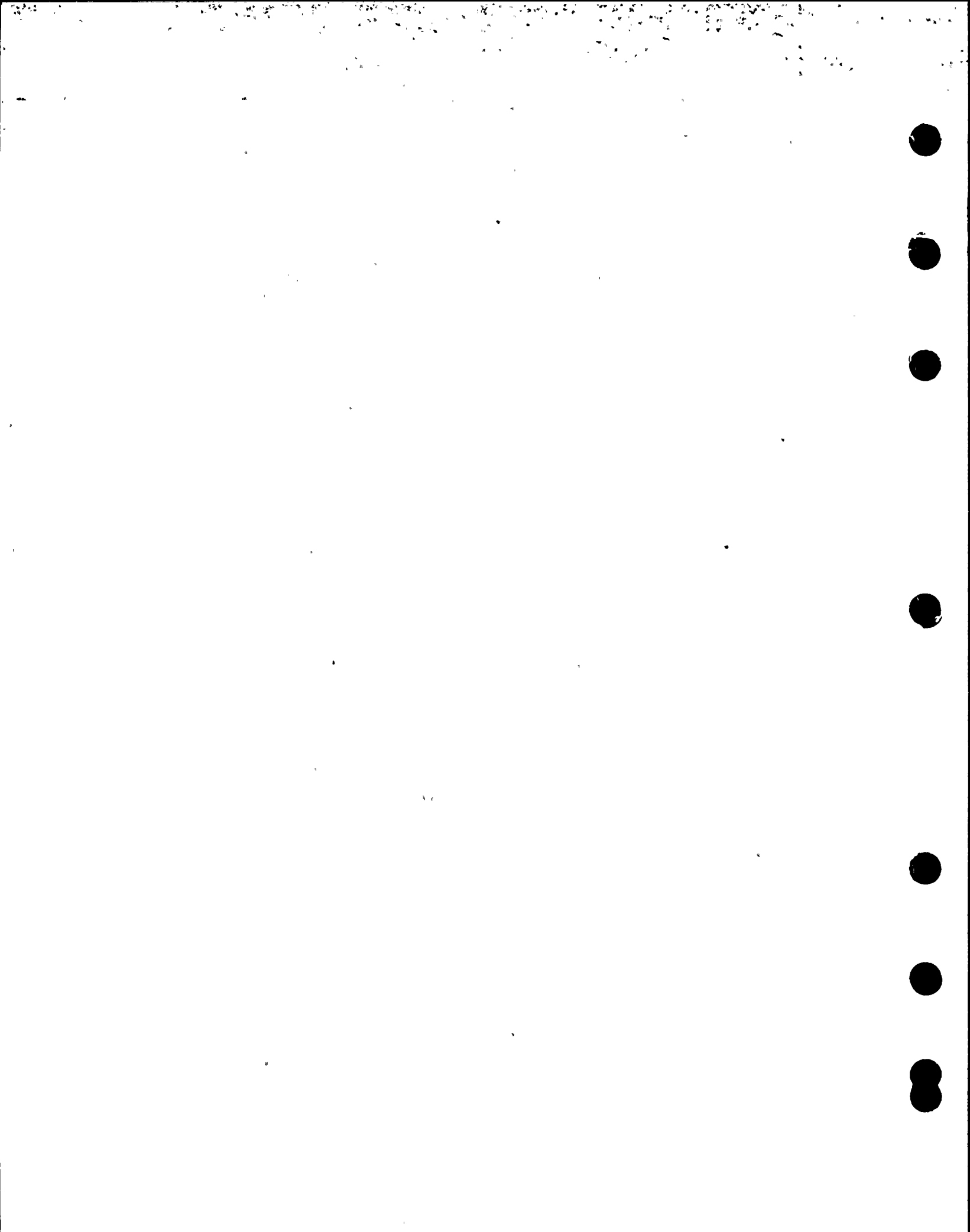


Category IV ..

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 4.1-18

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

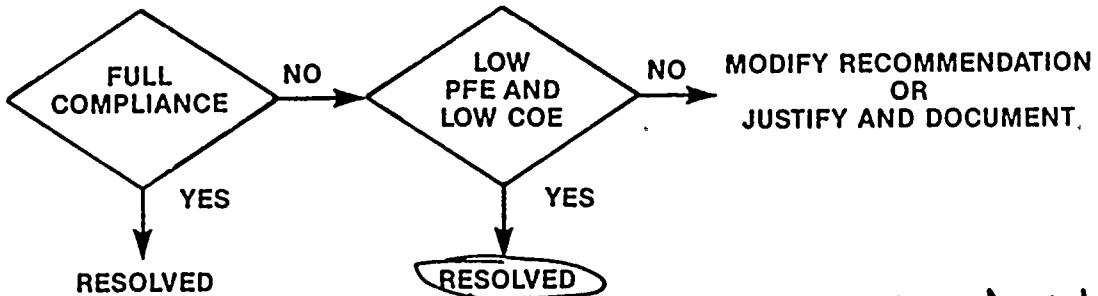
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Foxboro H/A and Manual Stations do have fixed pointers with moving scales, however the knobs can be easily and accurately set with minimum operator hesitation or mistakes. Markings are such that status can be read from a distance. Stations are to be enhanced by adding arrows for direction of knob rotation increase.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 4/30/85

AEPSC PROGRAM LEAD ENGINEER

[Signature]

DATE 1/1/86

CLOIHED# 4.1-19

Collection #: 6.4.2.2.8.3

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

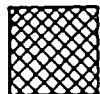
Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



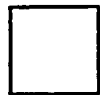
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

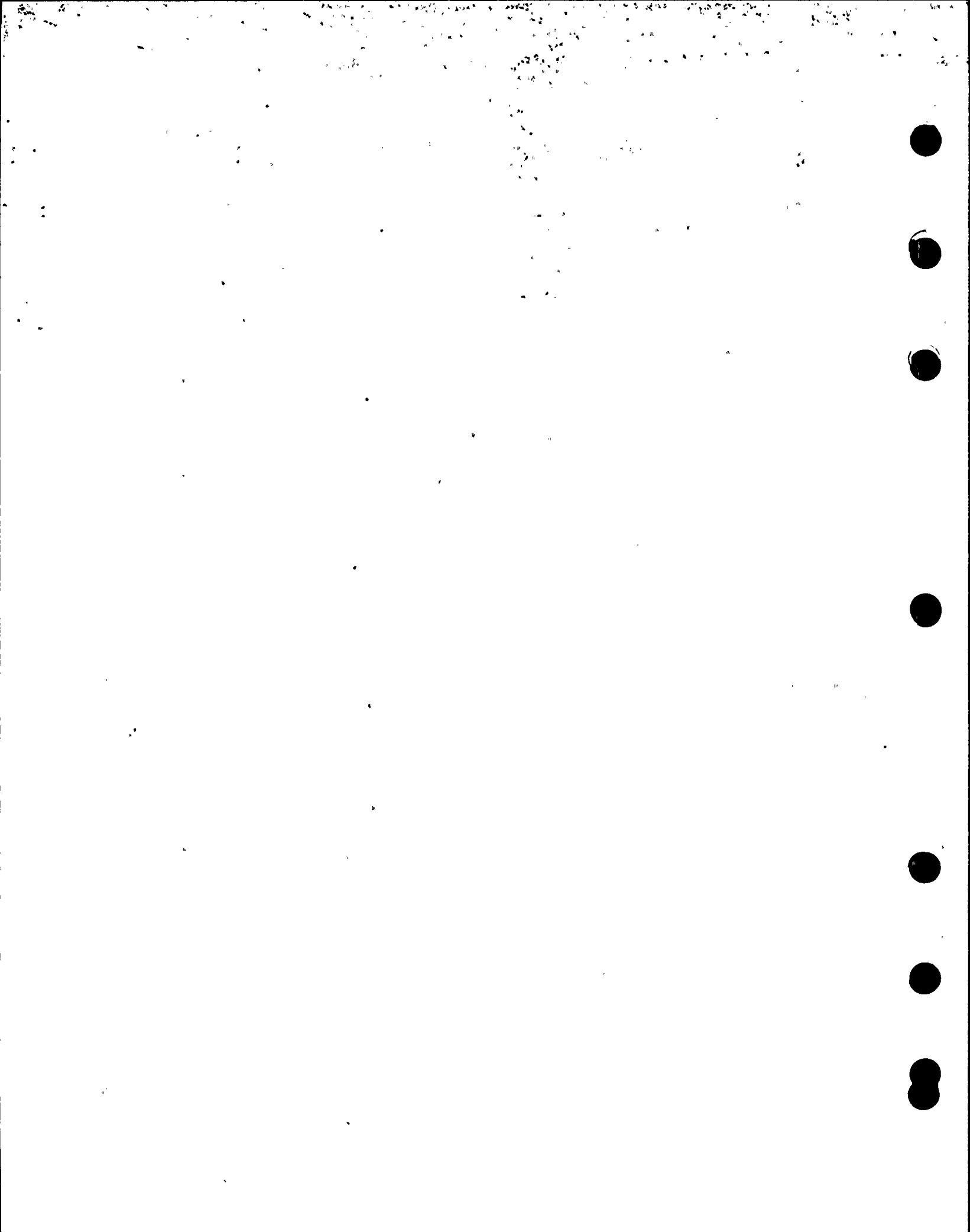


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 4.1-19

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

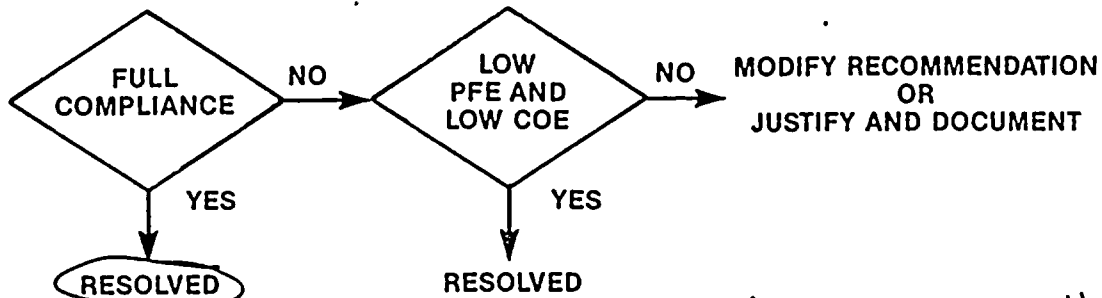
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Color coding of pushbuttons will be checked for adequate contrast especially blue and green lights will be changed to white. Yellow lights are discriminably different and require no change. Also see 5.1-24.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/2/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 4.1-20

Criterion #: 6.4.1.1.e.1.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

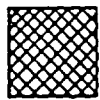
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

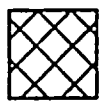
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



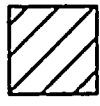
Category I --

High priority; corrective action should be taken.



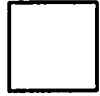
Category II --

Medium priority; corrective action is highly recommended.



Category III --

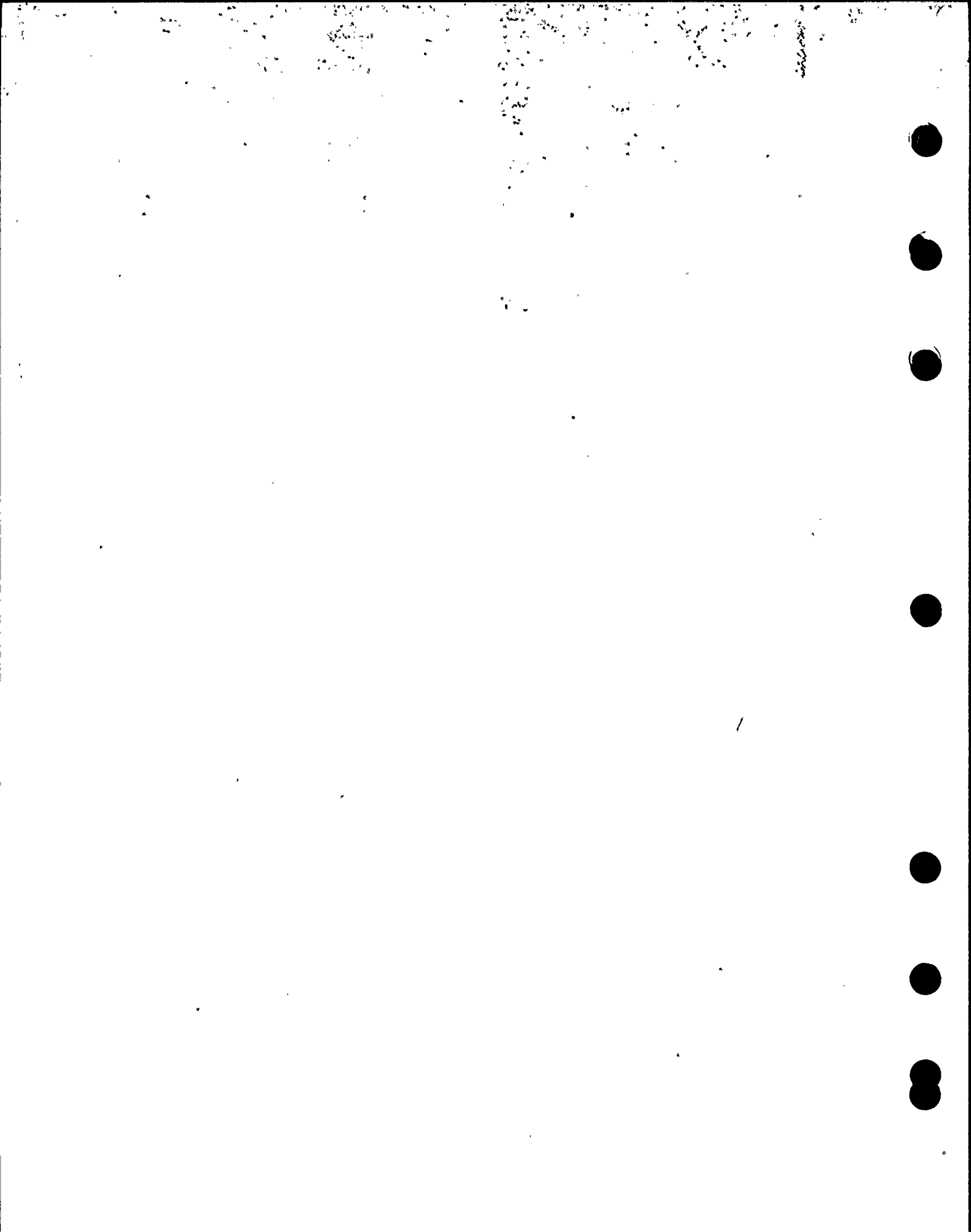
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 4.1-20

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

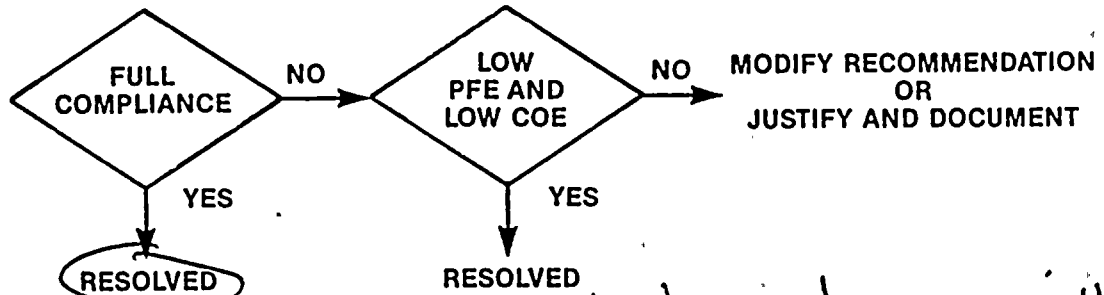
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION: Plant maintenance will replace burred screws and instruct personnel as suggested.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/2/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/1/86



CLO/HED# 4.1-21

Criterion #: 6.4.1.1.2.1

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

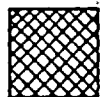
Potential For Error

High

Medium

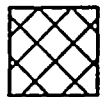
Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

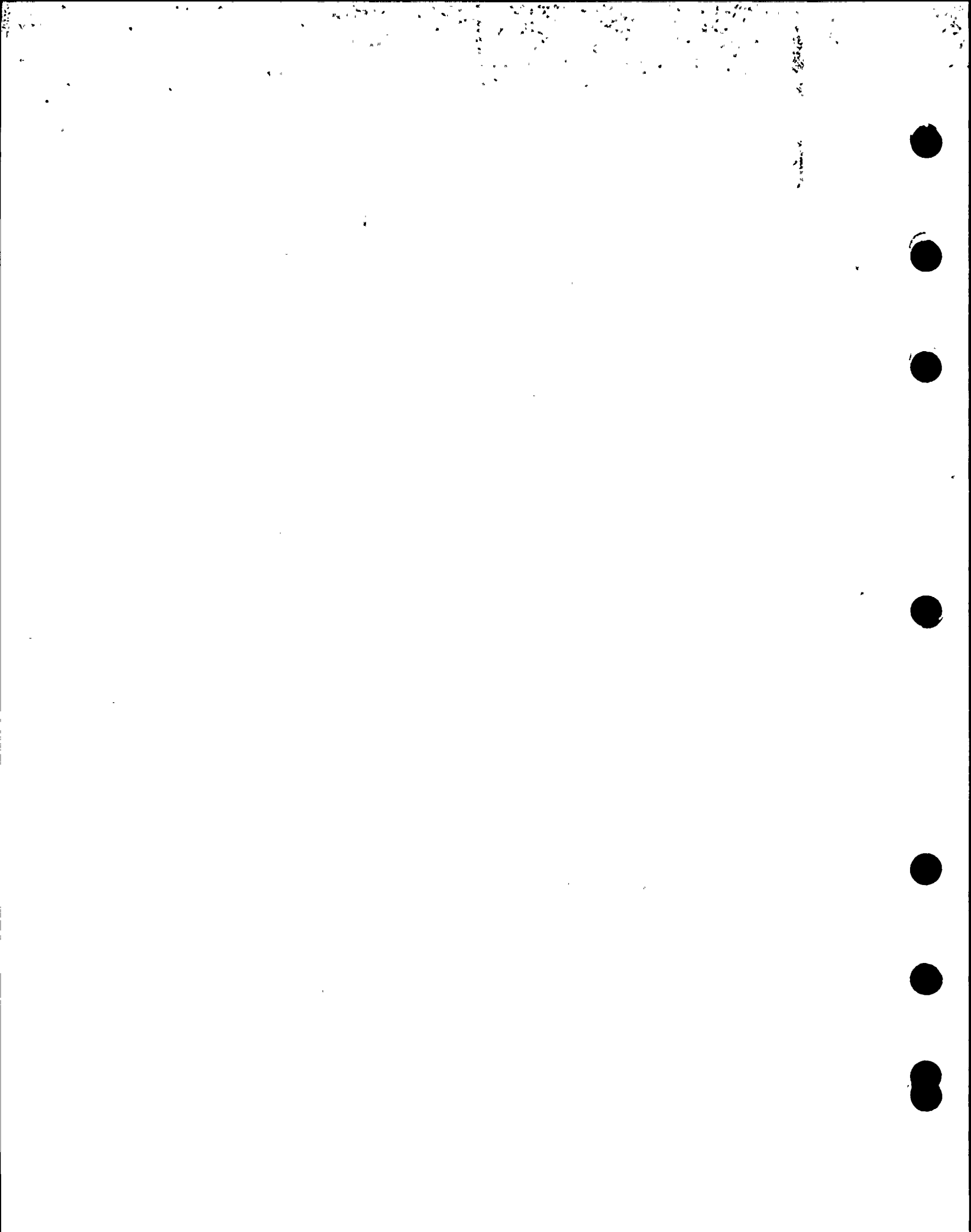


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 4.1-21.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

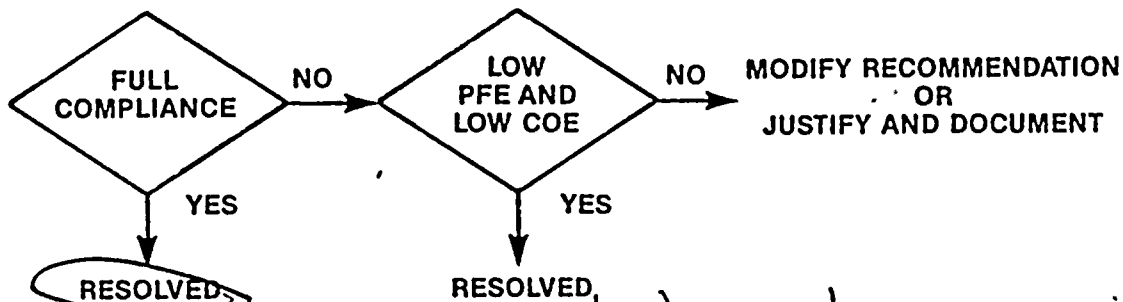
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Plant maintenance has repaired or replaced items listed

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/2/86
AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 4.1-22

Correction #: 6.4.4.3.8

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

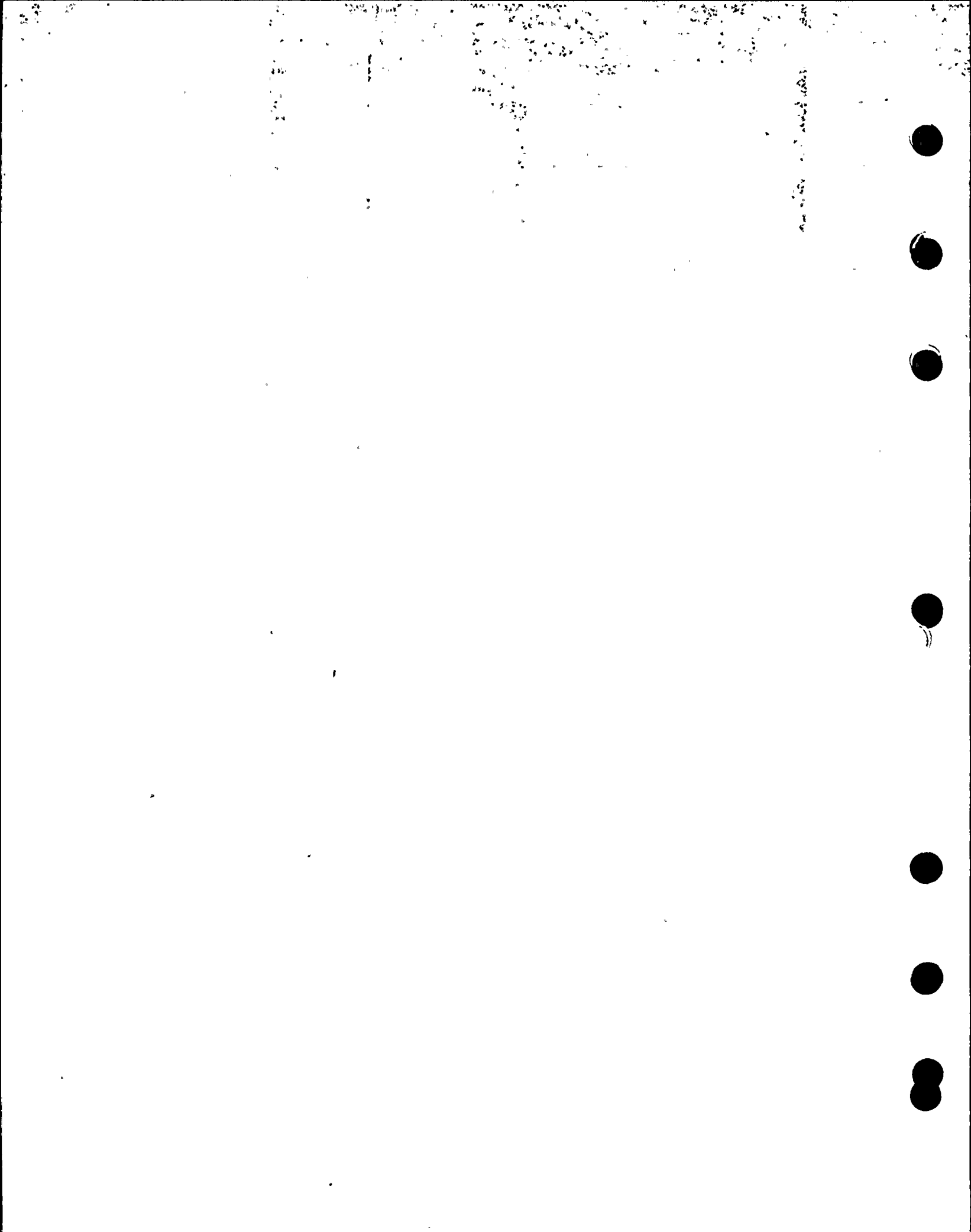


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 4.1-22

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

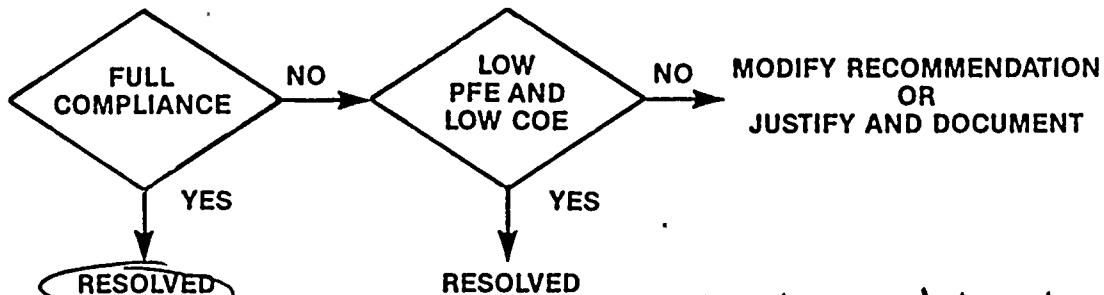
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION A new keyboard has been installed on RMS alarm printer

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/2/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLO/HED# 4.1-23

6.4.5.1b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

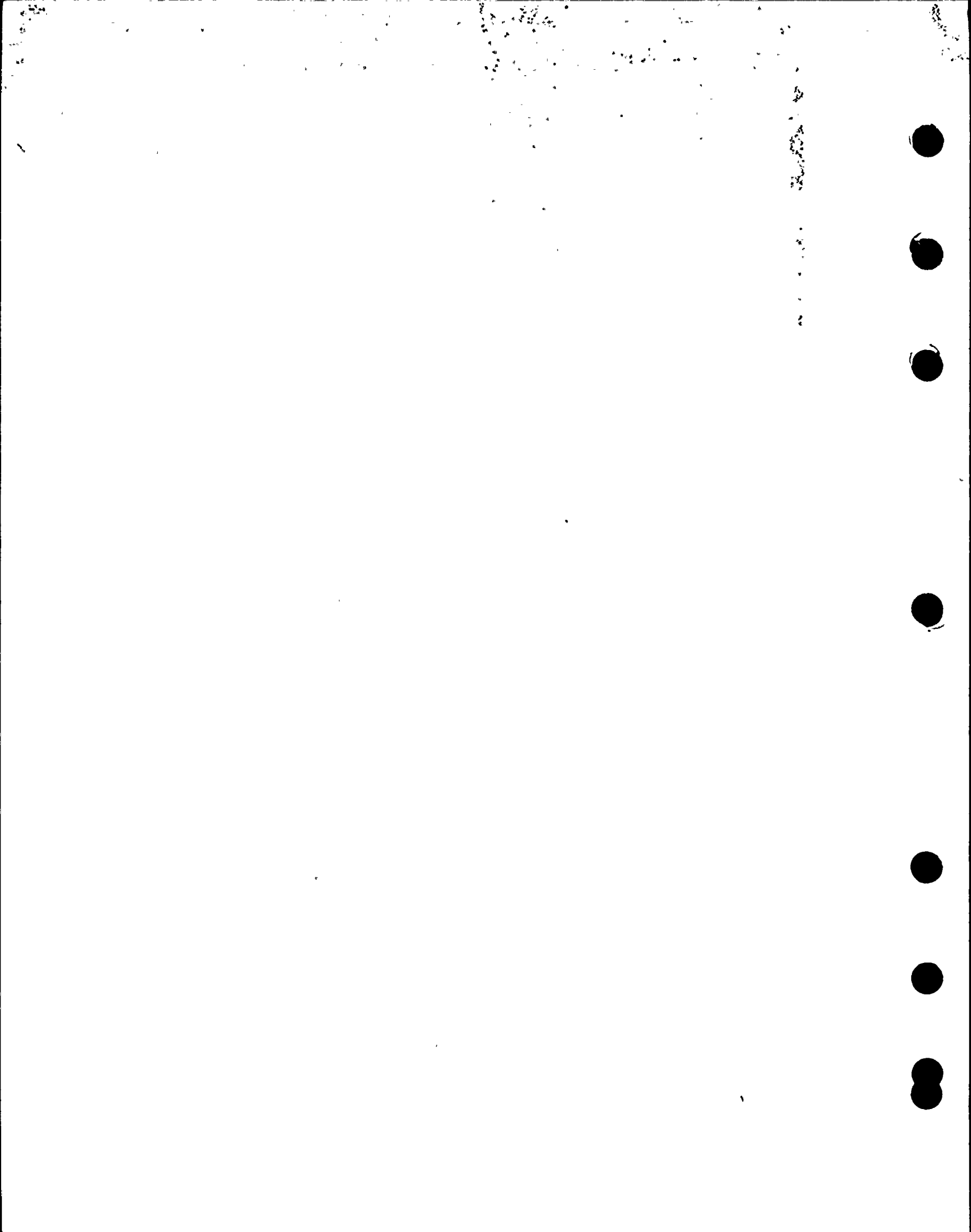
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED#4.1-23

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

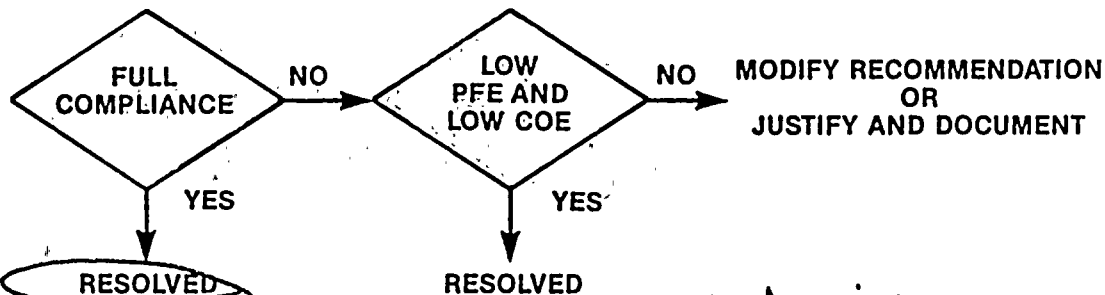
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Thumbwheels will have
directions labeled, i.e. "INCREASE-DECREASE" or
"RAISE-LOWER."

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/2/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 4.1-24

Criteria #: 6.4.4.5.c
6.4.5.1.d.(2)

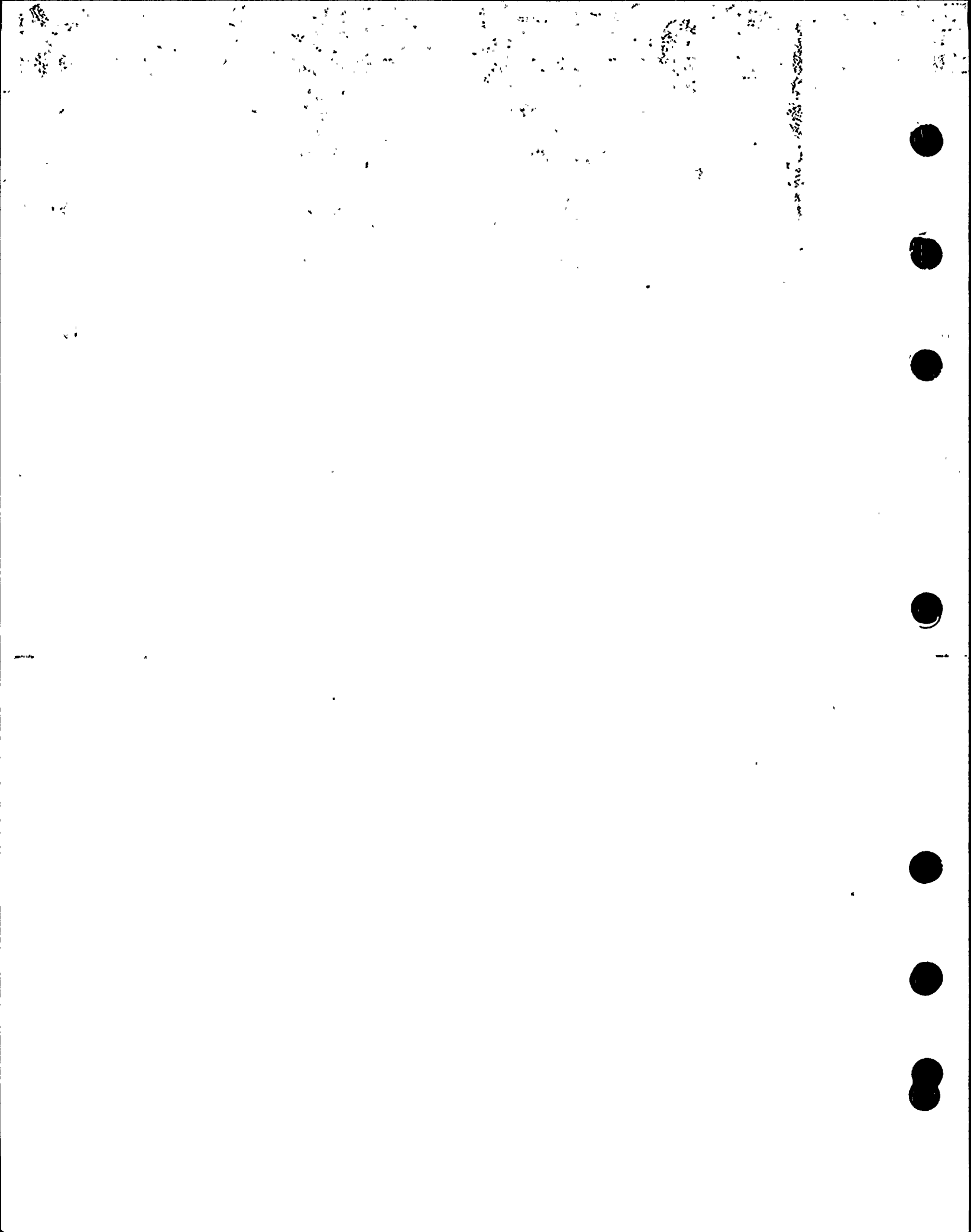
ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED# 4.1-24

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

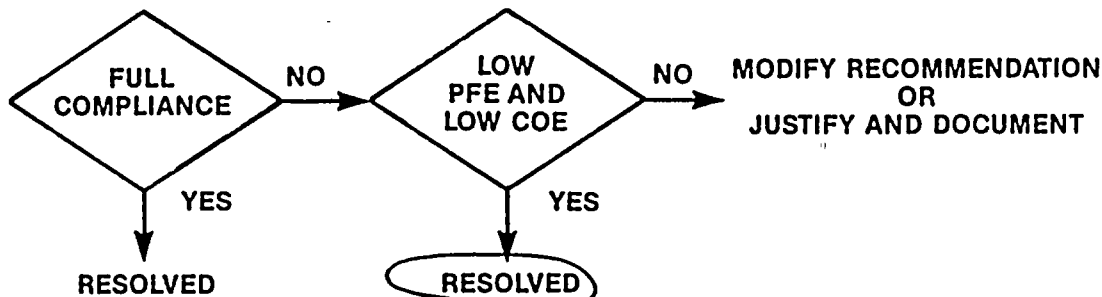
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION All controls will be relabelled so they can be tested for timely activation. Other CIOs identify controls which operators find difficult to turn or adjust as necessary. Refer to 4.1-5, 4.1-7, + 4.1-8 for actions to be taken.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 1/2/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/19/86

CLO/HED# 5.1-1

6.5.3.1c (1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) **HIGH** MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM **LOW**

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.

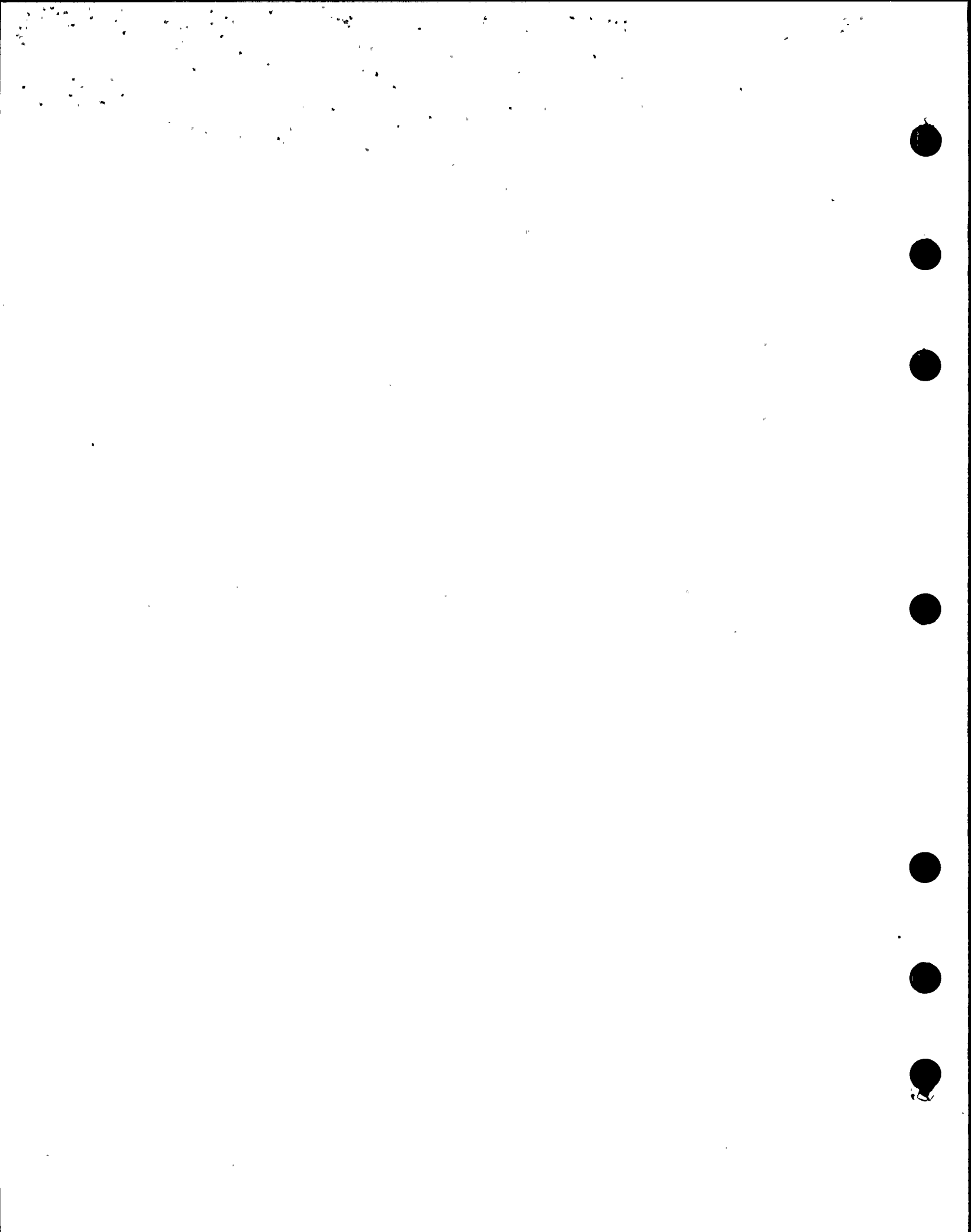


Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

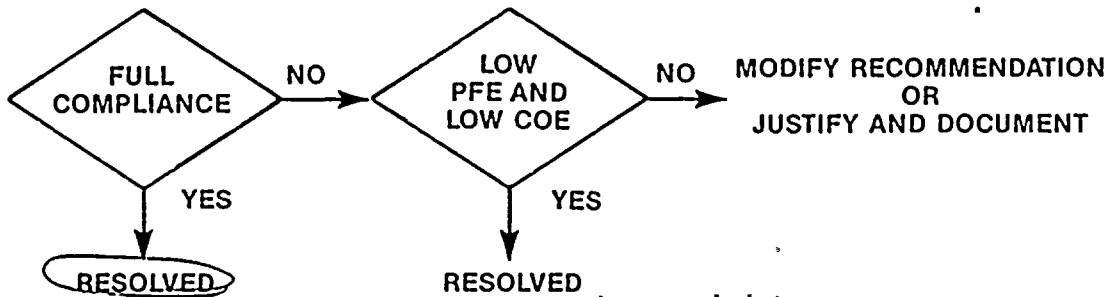
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION All status lights were reviewed and all legends are true when lit, except for annunciator voltage failure lights. These will be relabeled "VOLTAGE AVAILABLE."

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/1/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLO/HED# 5.1.2

Revision: 6.5.1.2.8(1)

ASSESSMENT RECORD

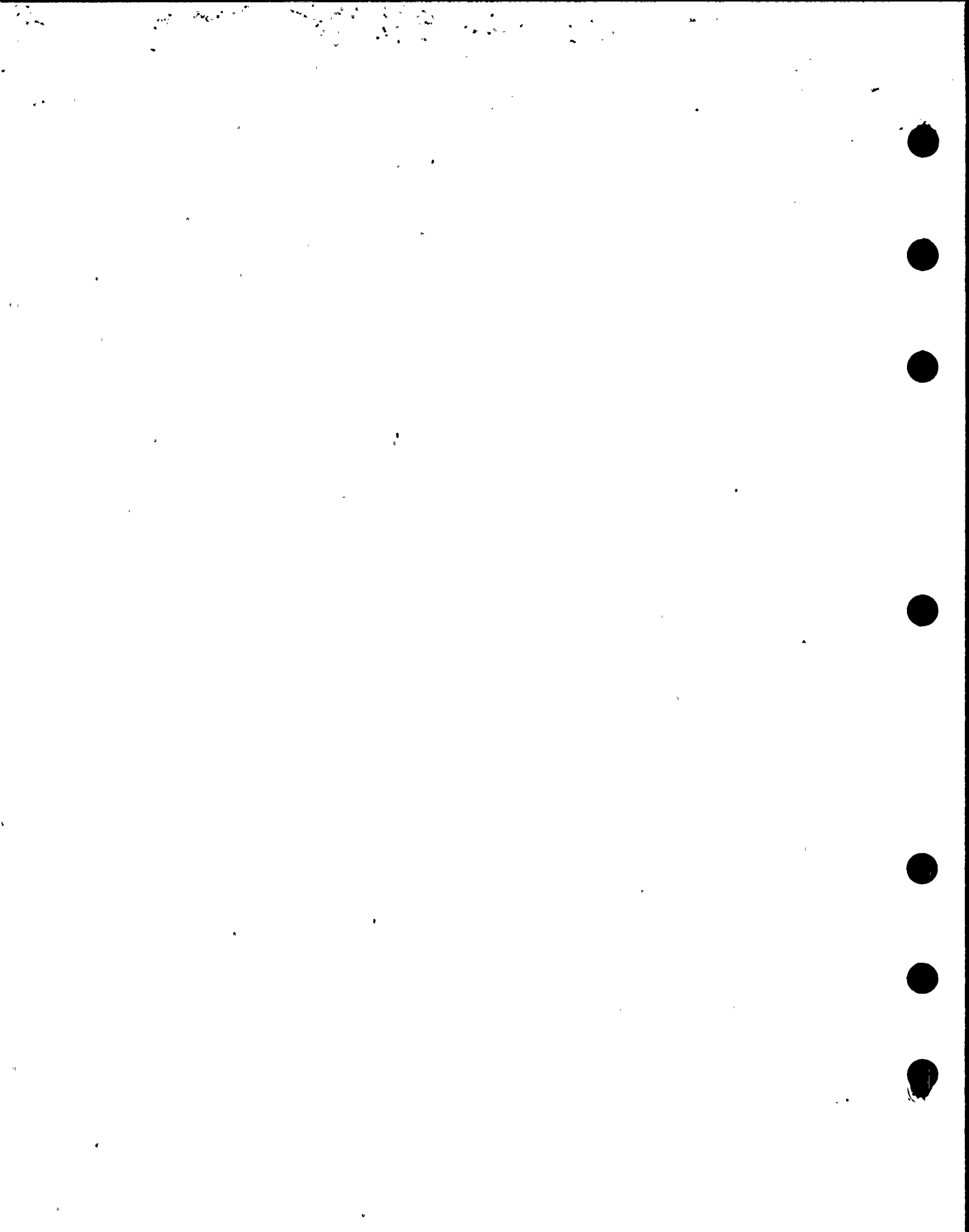
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

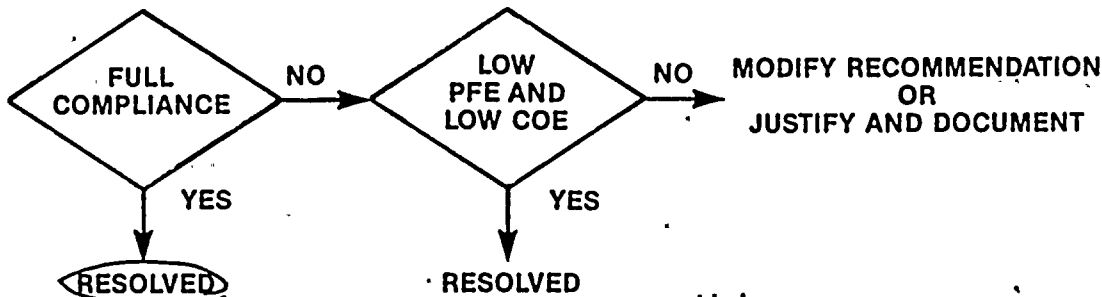
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION All scales listed were reviewed and modifications will be done as appropriate. An engineering review will determine the correct range for Steam Packing Exhaust Pressure, Boric Acid Flow, and
 (go to next page)

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/1986

EXPLANATION OR JUSTIFICATION (CONTINUED)

SI Pump Flow (i.e. ECCS Discharge Pumps):
The BIT is being considered for elimination; if not eliminated then changes to scale will be considered (either square root extractor or decrease in range with 0-135 required).

Modification to Air Ejector - Air Flow - Off Gas Recorder scale has been approved.

Steam and Feed Flow scales are correct as presently scaled, since values can go to 85% of scale.

Aux. Feedwater scale range is needed to 200000 lb/hr. and minimum flow during start up is easily read on scale.

Turbine vibration has been measured at 20.5 previously, so present 0-30 scale is needed in case of an abnormal transient (more precise equipment is used for calibration).

CLO/HED# 5.1-3





Condition #: 6.5.1.2.8 (3)

ASSESSMENT RECORD

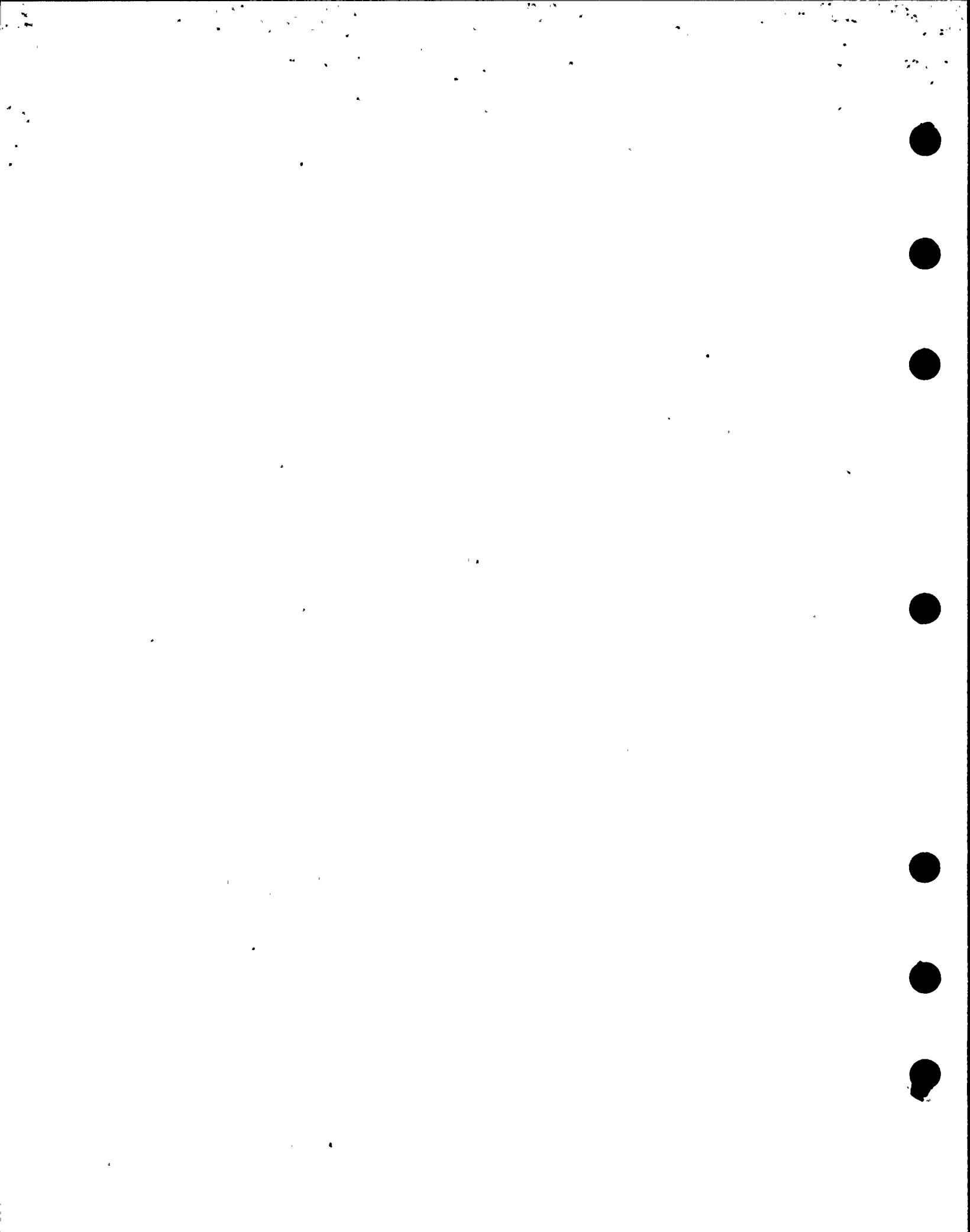
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM **LOW**

CONSEQUENCE OF ERROR (COE) **HIGH** MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-3

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

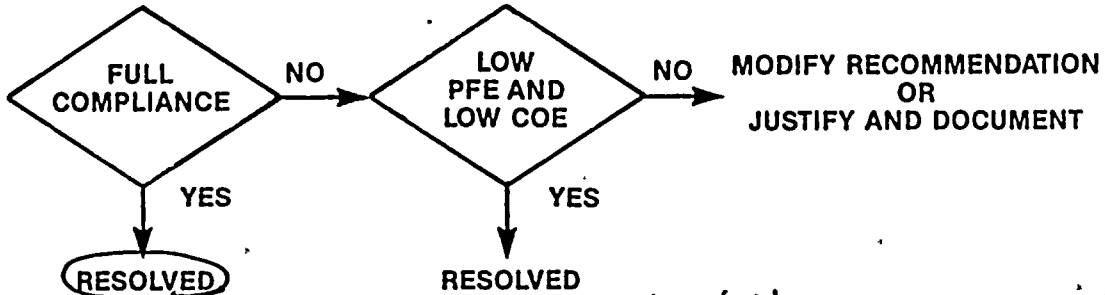
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQ'ENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION All scales listed were reviewed and modifications will be undertaken as appropriate. An engineering review will determine the correct range for Condensate Letdown and Makeup Flow Recorders. (go to next page)

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



EXPLANATION OR JUSTIFICATION (CONTINUED)

CCW Reactor Support Cooling Flow, CCW to 4 from Excess Letdown Heat Exchangers, and RC Pressure High Range Recorder.

The Containment Spray Educator Flow indicator is being considered for removal from CR. If not removed, then modifications to scale will be considered.

SG Steam and Feed Flows are correct, the maximum scale value is 3.6×10^6 and scales go to 4×10^6 .

Aux Feedwater Flow indicators are presently correct, the maximum value for EOPs is 200,000 lb/hr and scale goes to 250,000 lb/hr.

For RCS Pressure, wide range indicators (0-30%) are nearby on both the Main Control Boards and the Hot Shutdown Panel.

For Main Steam Flow, the problem is with the transmitters which are being replaced. The indicator scales are correct (4×10^6).

The scales on the RCP High Range Recorder and Charging Hdr Press are correct (0-3000).

RV press. rating is 2500.

RCS wide Range Temp. Indication is provided, recorders go to 700° and WR thermocouple readings are available in the CR computer systems.

The RHR total flow indicator scale has recently been improved. The maximum flow is 6,000 and meter now goes to 7,000.



CLO/HED# 5.1-4

CREATION #: 6.5.1.1.8.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 5.1-4

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

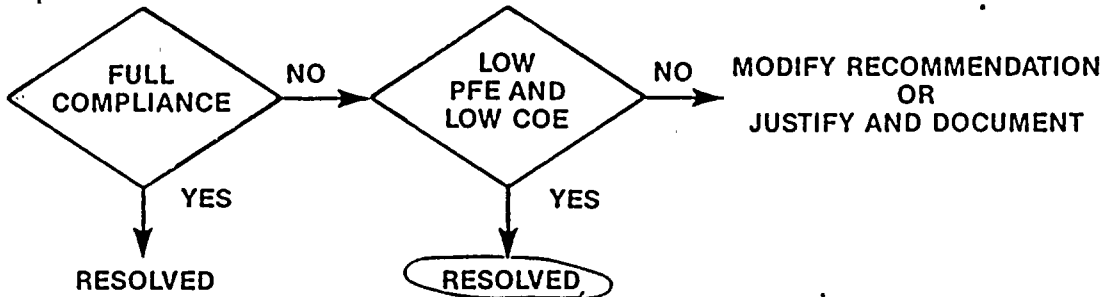
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION *An engineering review was done and a live zero is being developed for ECCS and Aux FW flow meters. To deal with stuck mechanisms, operators are trained to check redundant or verifying displays against each other.*

SIGNOFF

H.F. CONSULTANT (ESSEX) *[Signature]* DATE 10/1/86
 AEPSC PROGRAM LEAD ENGINEER *[Signature]* DATE 1/1/86



CLO/HED# 5.1-5

Collection #: 6.S.1.S.8.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-5

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

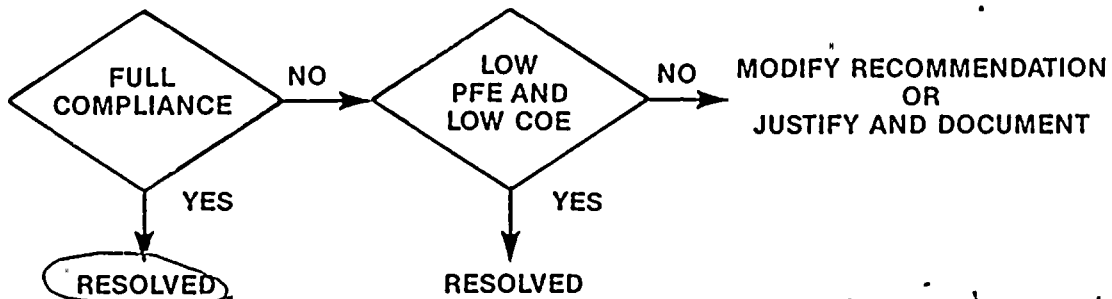
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION There are no single pointer, multiple scale displays listed on this HED. However, all displays listed have been reviewed and scales will be made to agree with chart paper. AEPSC will correct or justify any scale not corrected, as appropriate.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/1/86
AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/1/86



CLO/HED#S.1-6.

criterion #: 6.5.2.3

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

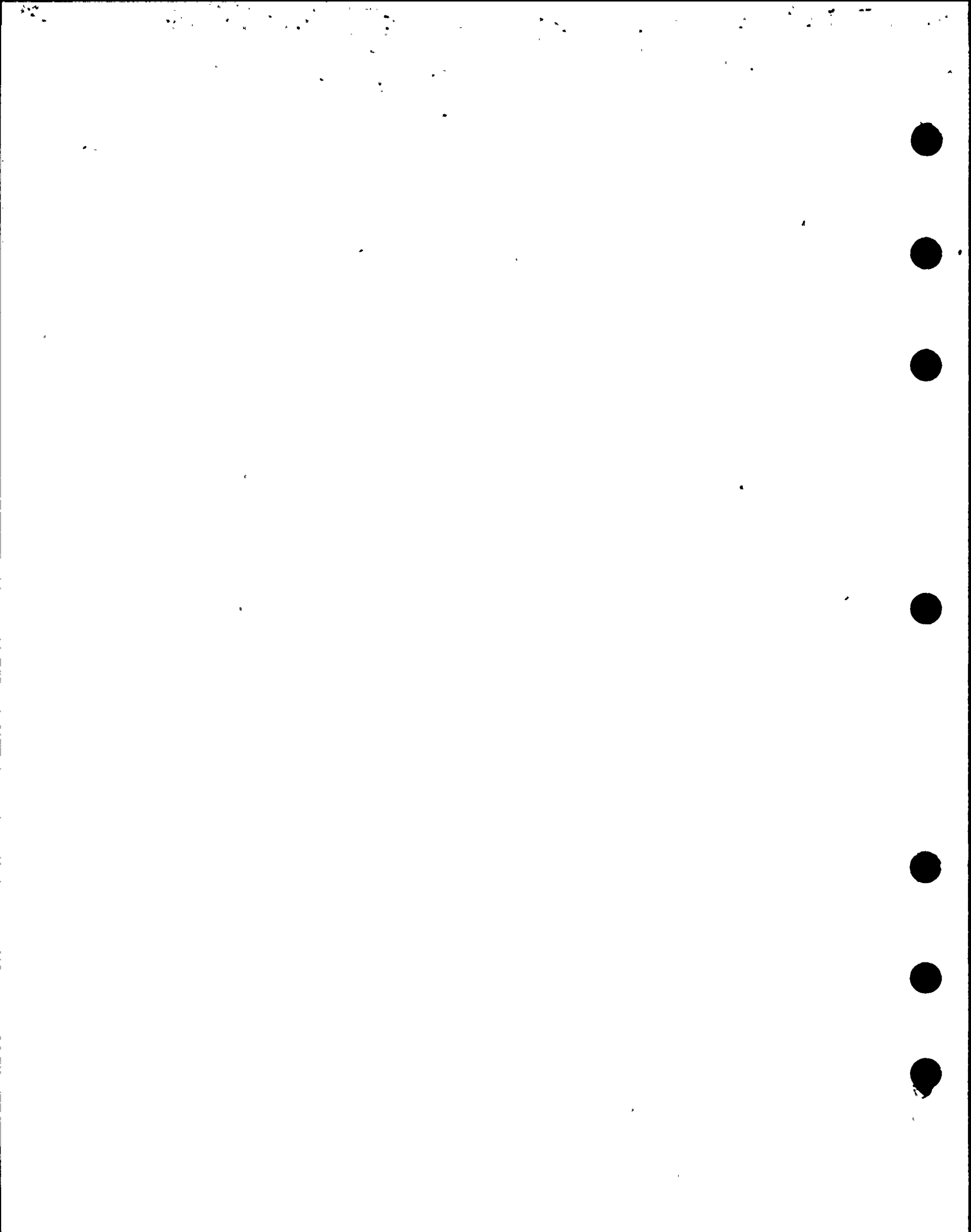
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 5.1-6

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

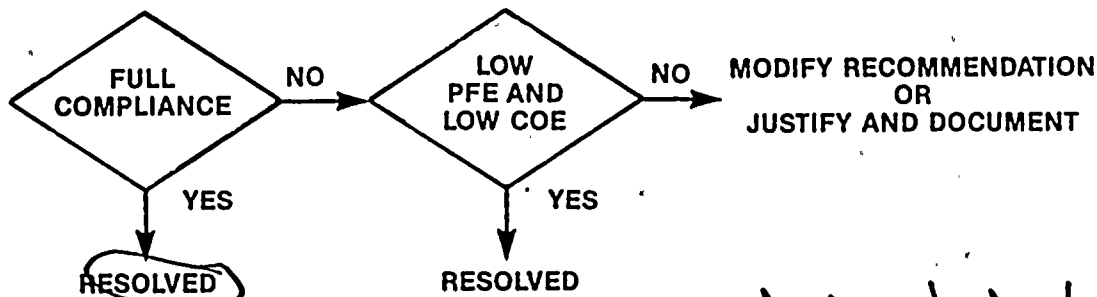
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MED UM	LOW



EXPLANATION OR JUSTIFICATION Zone coding study to be undertaken by AEPSC. Appropriate zone coding will be applied to indicators.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 4/30/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86



CLO/HED# 5.1-7

Revision #:

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

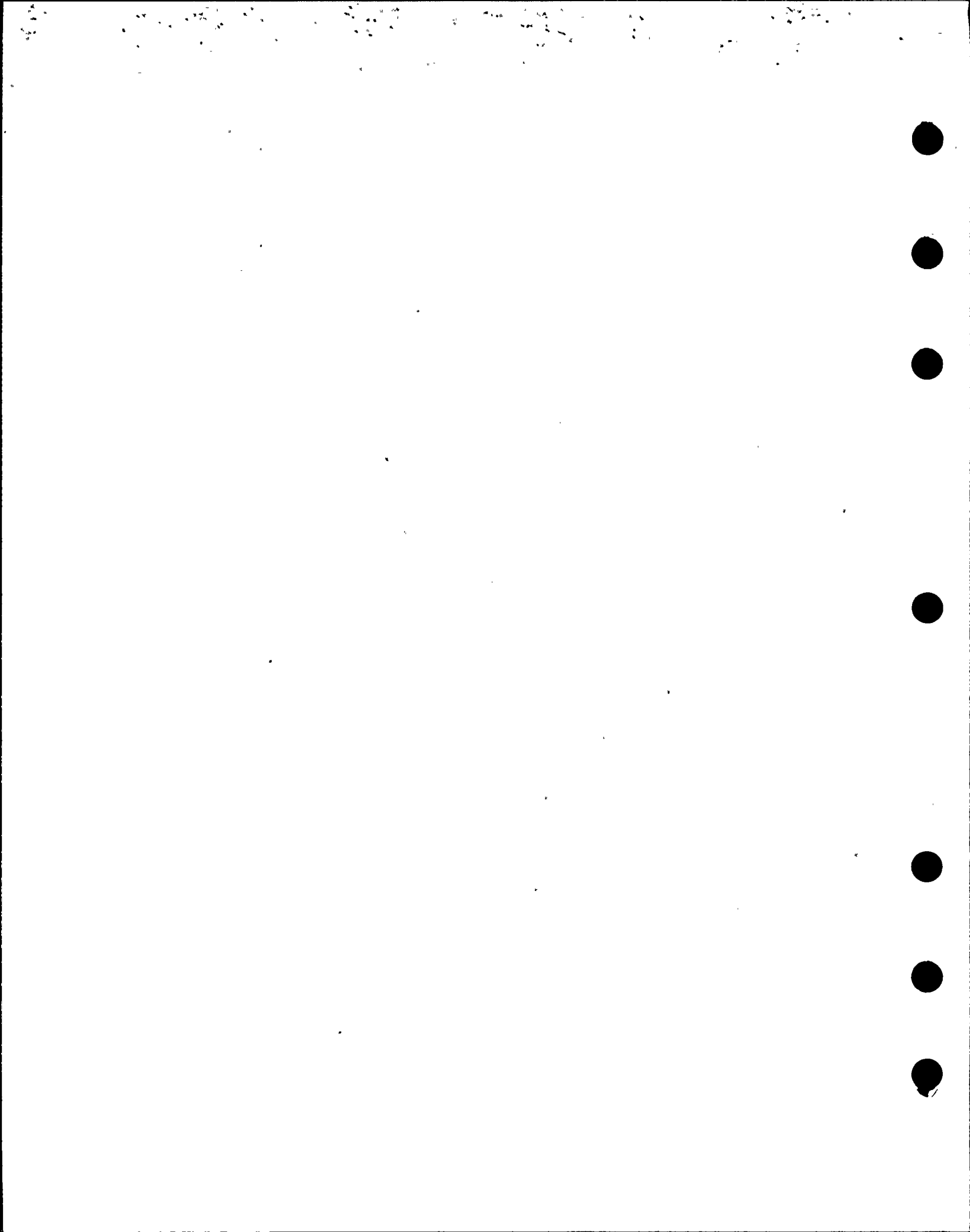


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-7

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

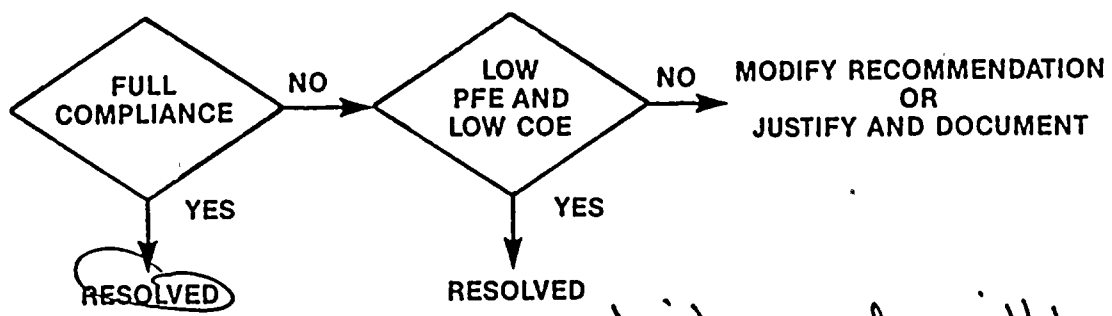
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Indicator scales will be changed to white background with black pointers and numbering. Narrow band for parameter labels will be color coded according to parameter type (level, pressure).

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/19/86



CLO/HED# 5.1-8

Case # 6.5.4.1.b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 5,1-8

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

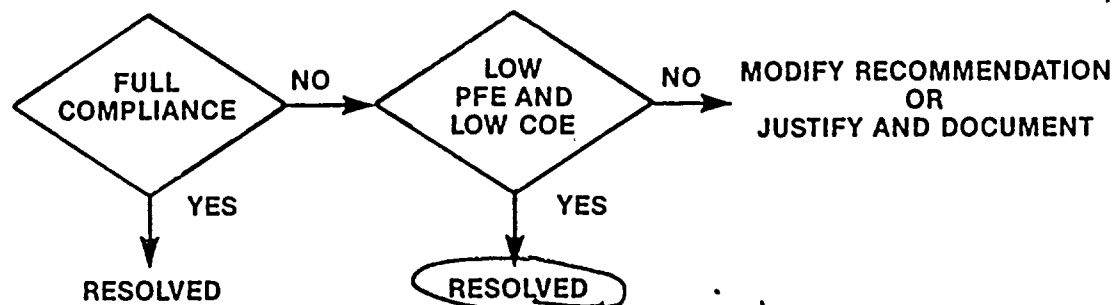
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION Containment Sump Recorder will be reviewed for possible relaxation into CR. Containment Temperature Recorder is now available in rear of CR. Other recorders listed are not of sufficient importance to move into CR.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/1986



CLO/HED# 5.1-9

Correction #: 6.5.4.1

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

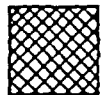
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



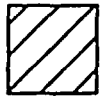
Category I --

High priority; corrective action should be taken.



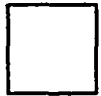
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 5.1-9

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTNER REVIEW BY _____

DISPOSITION

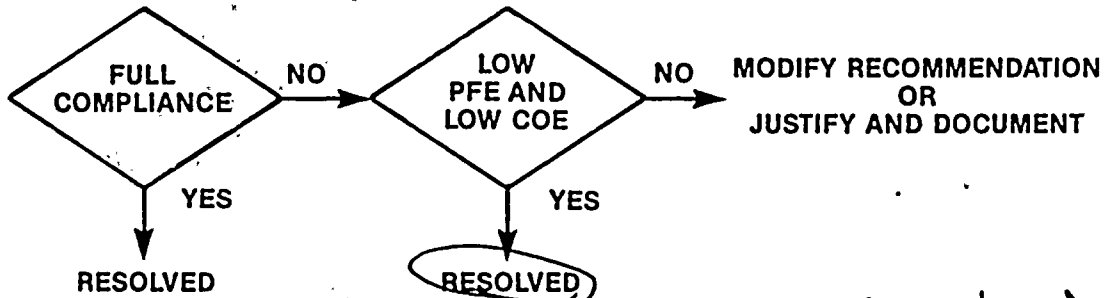
- APPROVED.
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES NO YES

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW



EXPLANATION OR JUSTIFICATION Paper speed adjustment is a convenience, but not a necessity for efficient reading and changing of charts. The inconvenience does not warrant recorder replacement.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLO/HED# 5.1-10

6.5.4.1K

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

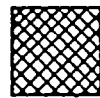
Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



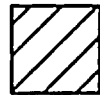
Category I --

High priority; corrective action should be taken.



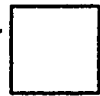
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

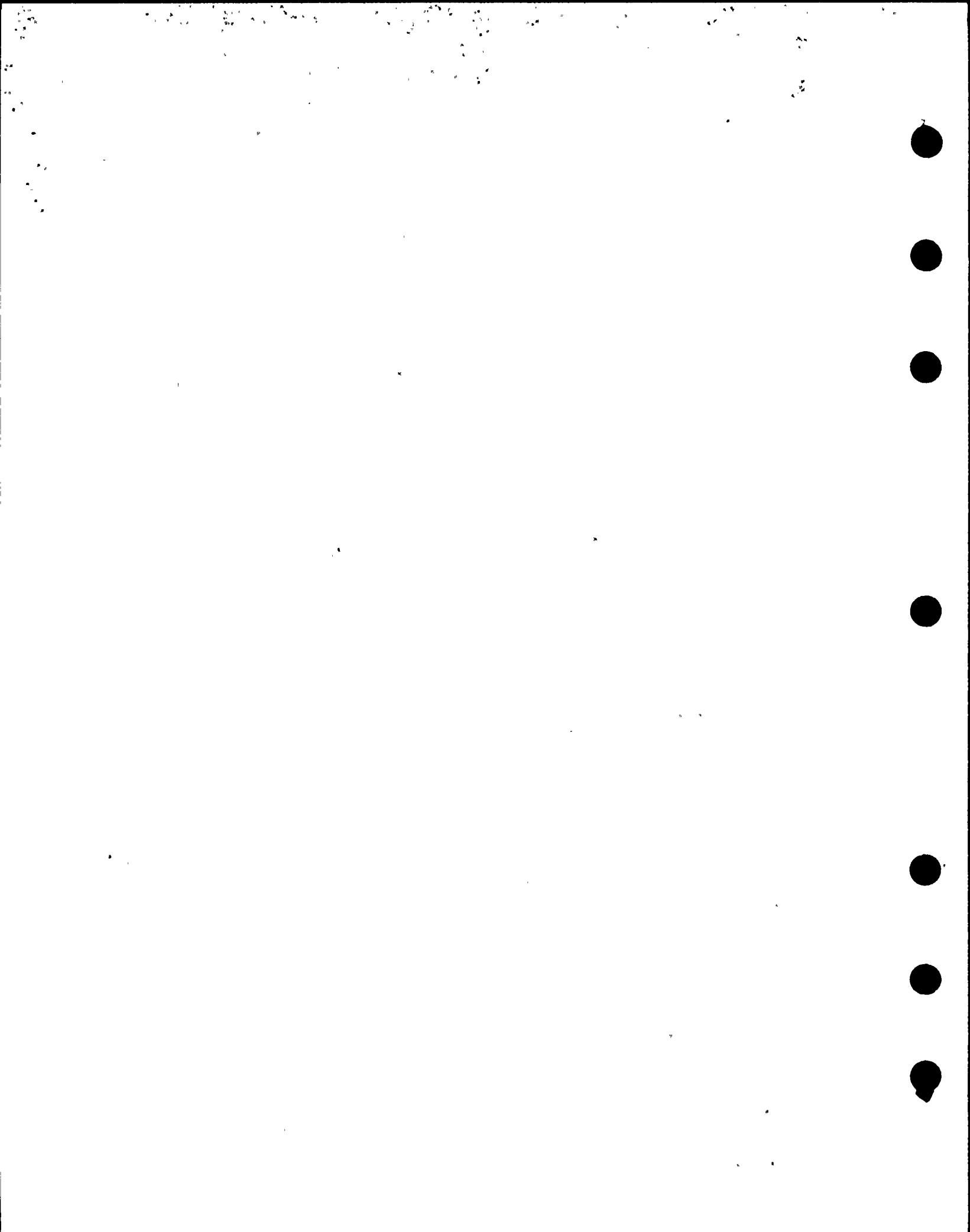


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5,1-10.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

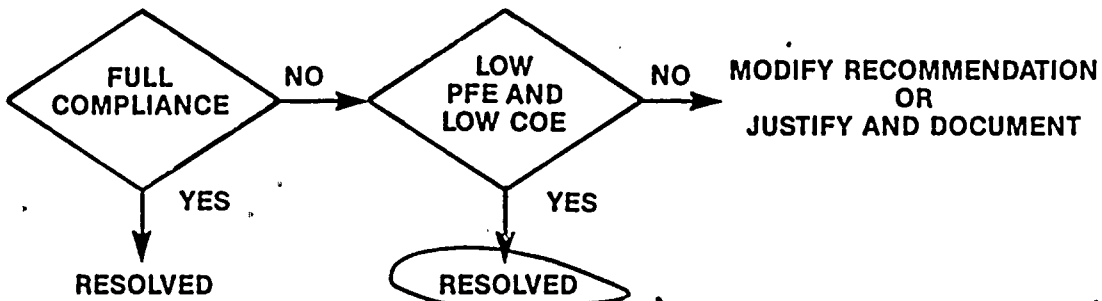
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

It is not necessary to open doors to determine trends. The present value can be read by looking at the pointer. The trend can be determined by looking at the values on the chart paper and comparing them to the present reading. Also, the only listed recorder used in EOPs is NR-45 and its data can be read on indicators.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER

[Signature]

DATE 1/1/86



CLO/HED# 5.1-11

Criteria: 6.5.4.1.9

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

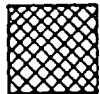
MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



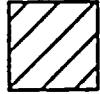
Category I --

High priority; corrective action should be taken.



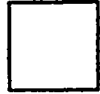
Category II --

Medium priority; corrective action is highly recommended.



Category III --

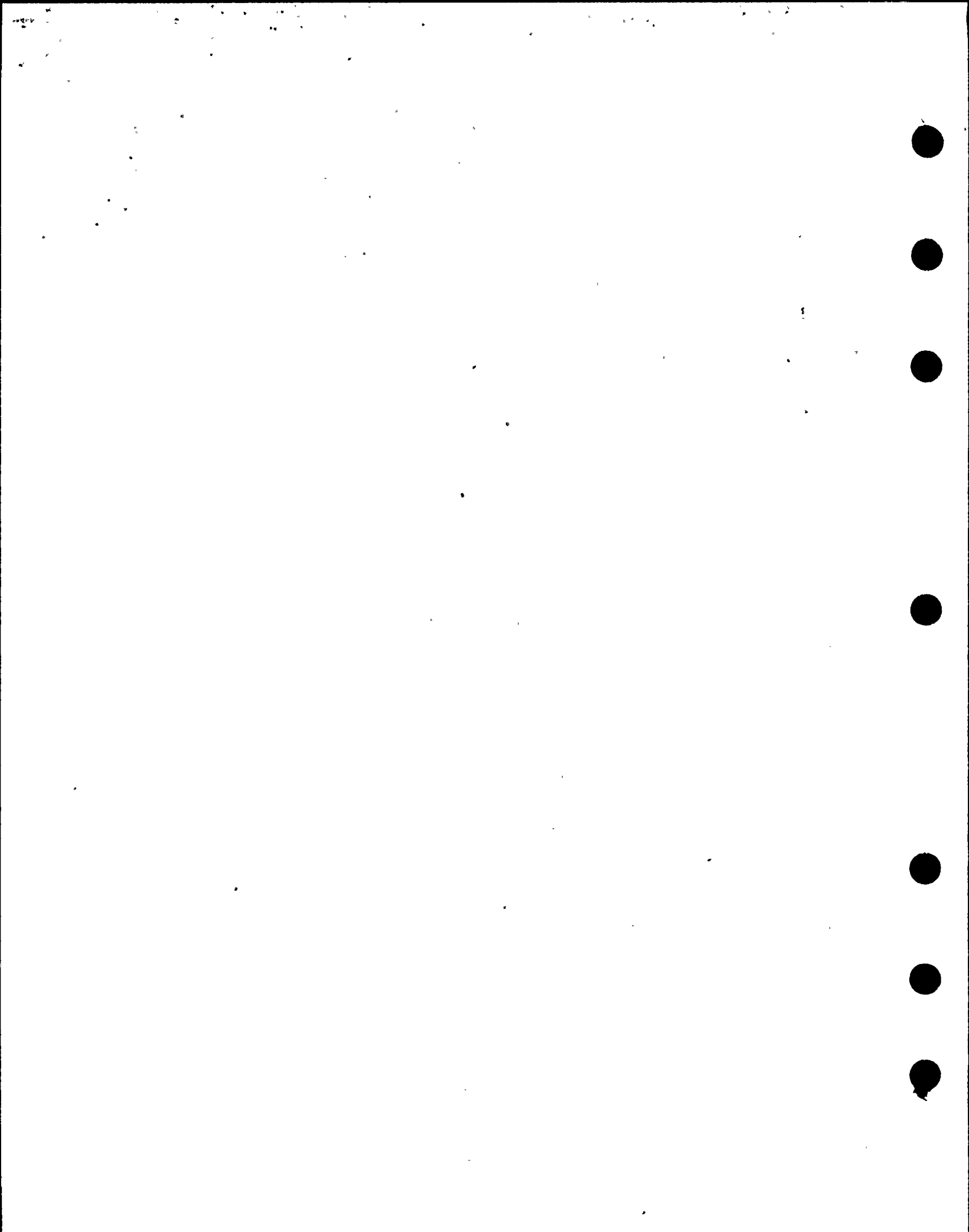
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 5.1-11.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

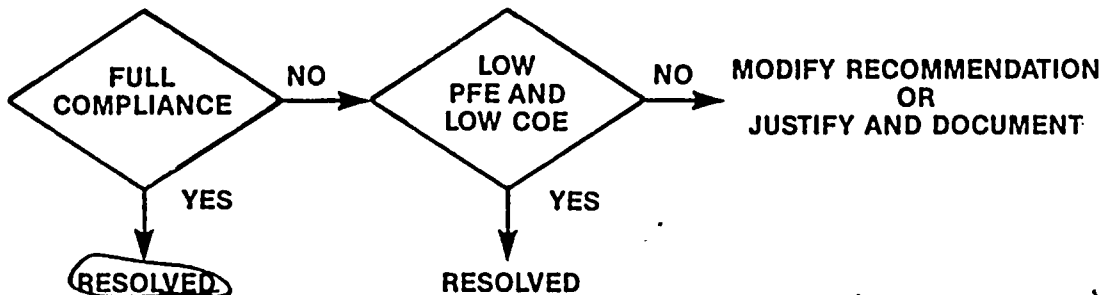
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Cartridge, felt tip pens will be installed on recorders where available, otherwise maintenance of refillable mechanisms will be improved.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLO/HED# 5.1-1.2

6.5.4.2b (1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

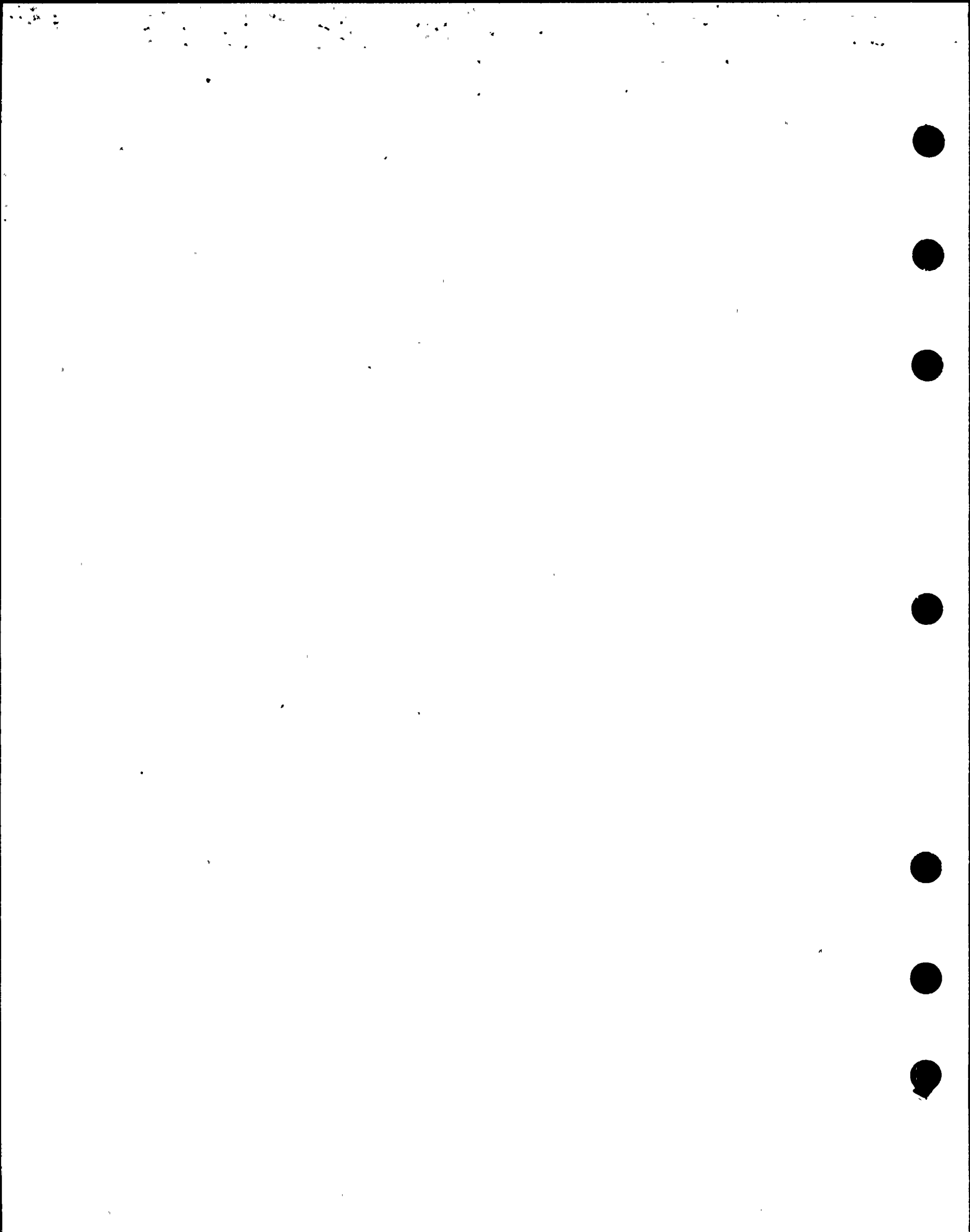
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-12

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

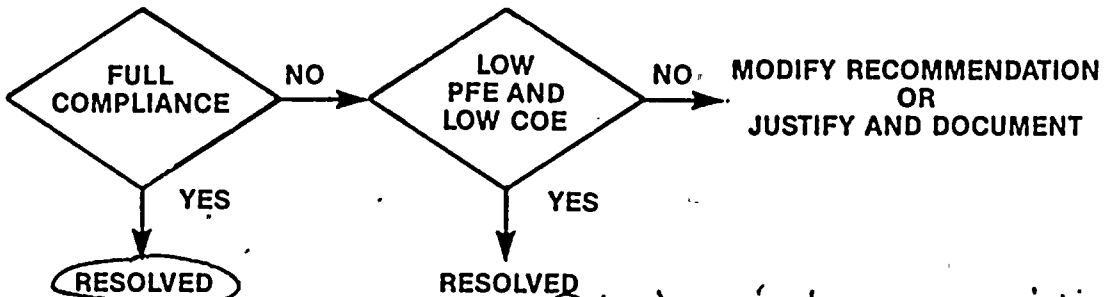
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Plant maintenance will ensure recorders do not hang up; will fix stops if needed. The Vibration Recorder has already been modified.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED#

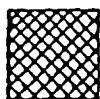
5.1-13

Criterion # 6.5.4.2.b(4)

ASSESSMENT RECORD

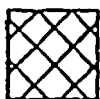
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



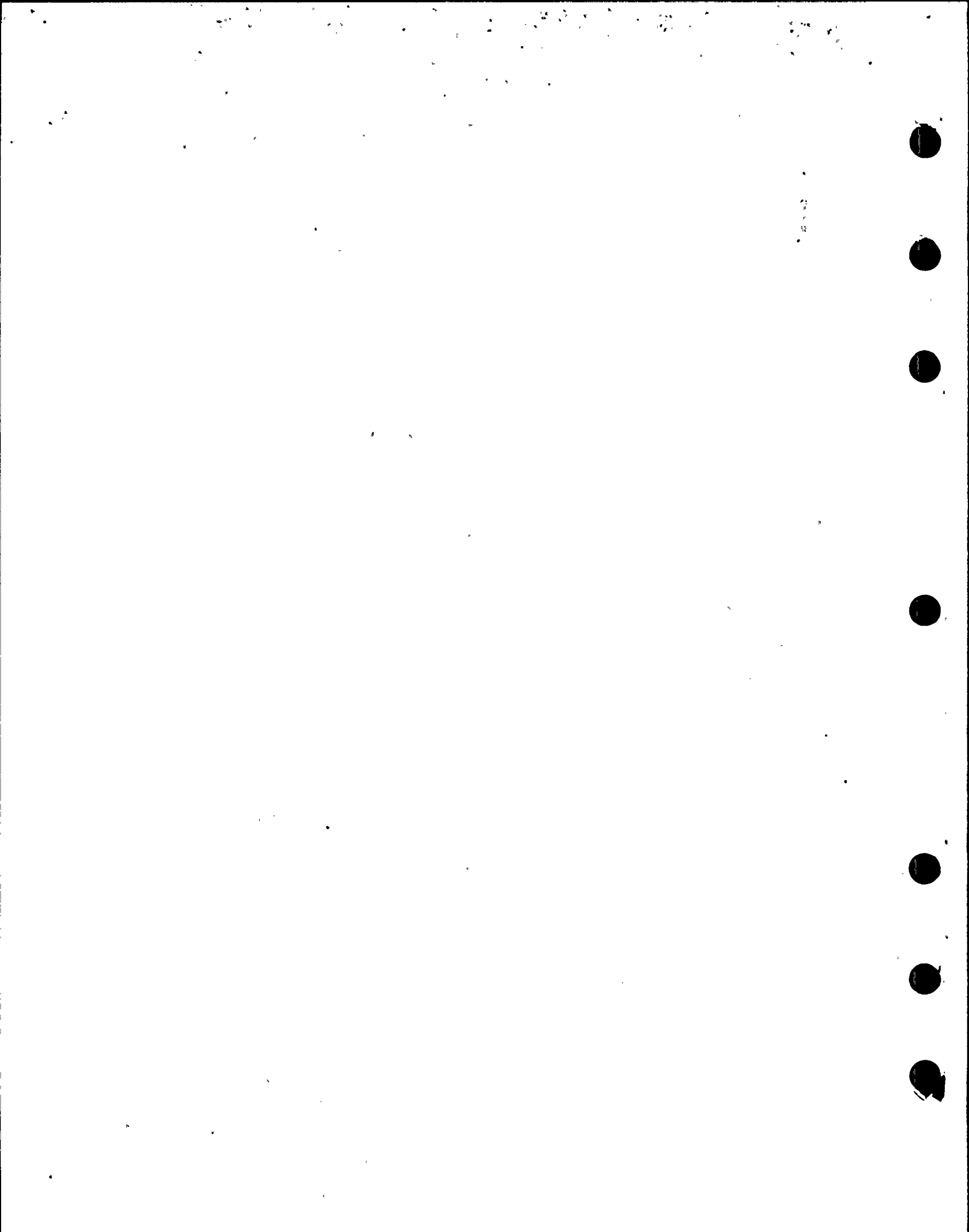
Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV*

*This is for P250 only. The RMS portion of HED is covered by HED # 7.1-3 (category II).



CLO/HED# 5.1-13.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

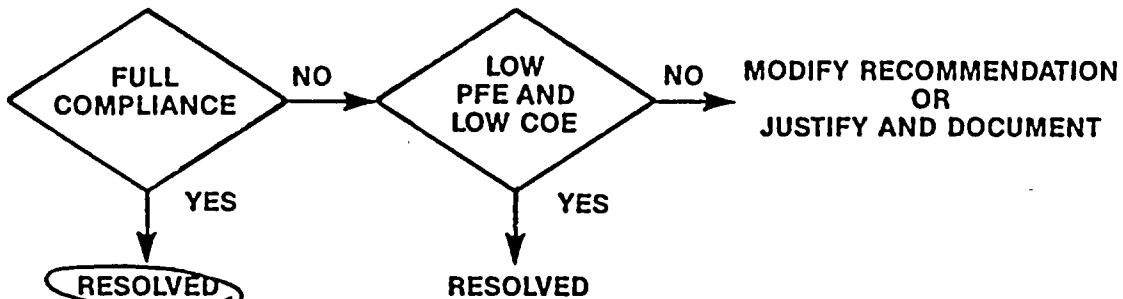
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION The process recorder is being considered for replacement within five years.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLO/HED# 5.1-14

Classification #: G.S.4.1.8.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

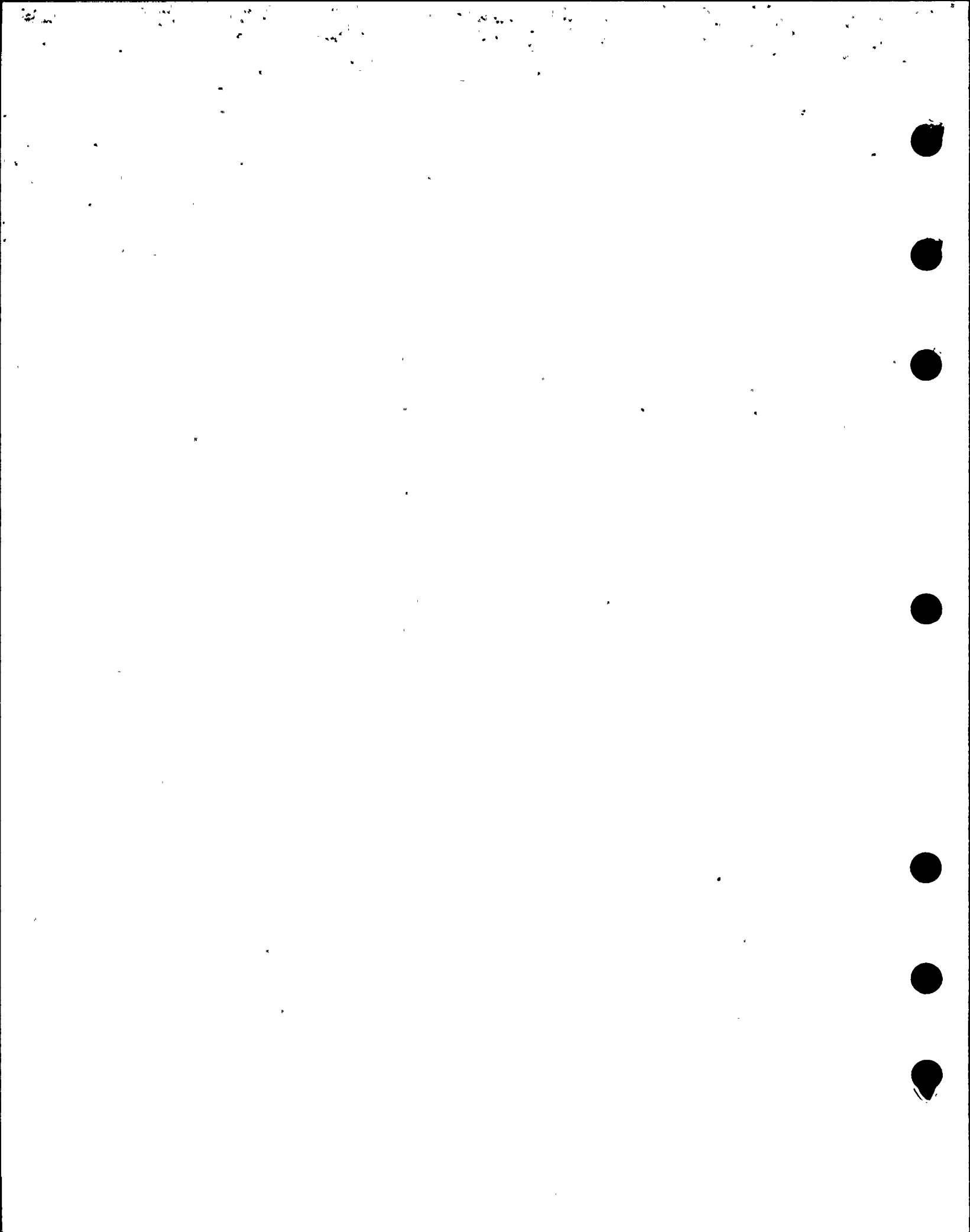


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

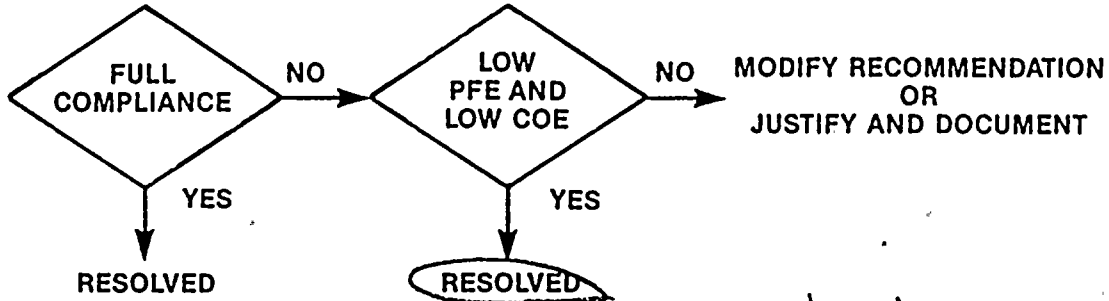
- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES NO YES

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW



EXPLANATION OR JUSTIFICATION Takeup spool and paper cutoff edge are conveniences. Operators are able to efficiently change or cut charts without them. A lack of these does not warrant recorder replacement. Many recorders in the CR use "fan fold" paper and this guideline is not appropriate to them (paper is easily detached).

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86



CLO/HED# 5.1-15

Collection # 6.5.1.32.1

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

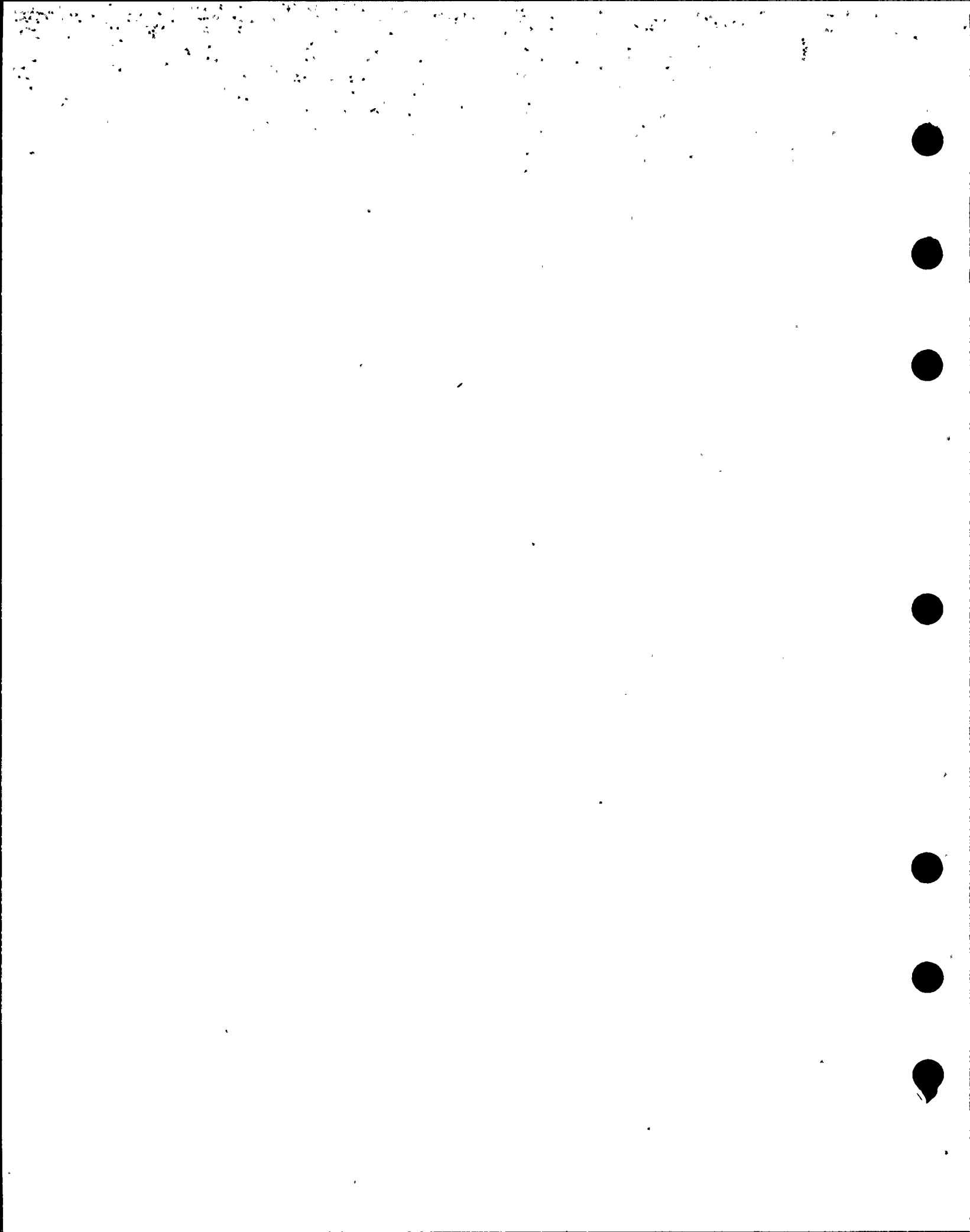


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-15

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

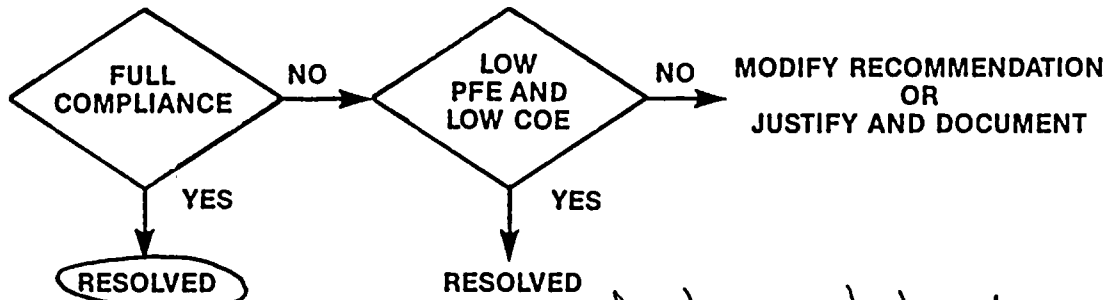
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Indicator scale backgrounds
are to be changed to white, except narrow band
(without numbers) will be color coded for parameters.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/24/86



CLO/HED# 5.1-16

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

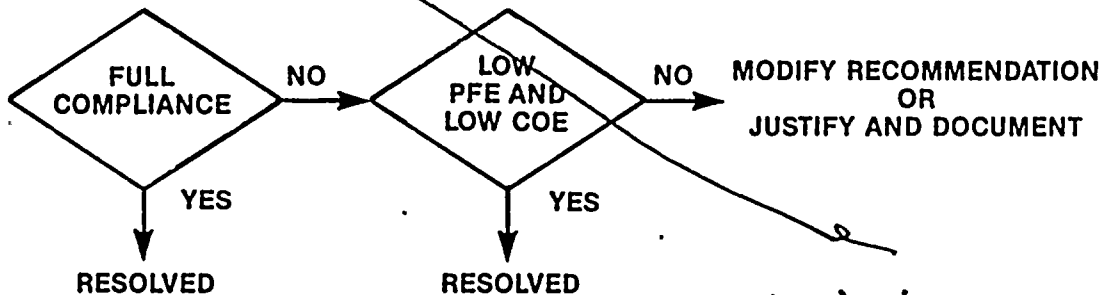
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM LOW



EXPLANATION OR JUSTIFICATION CLO is redundant to 5.1-53.
See 5.1-53 since it contains all pertinent information.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/19/86



CLO/HED# 5.1-17

Continuation of: G.S. 2.2.a(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

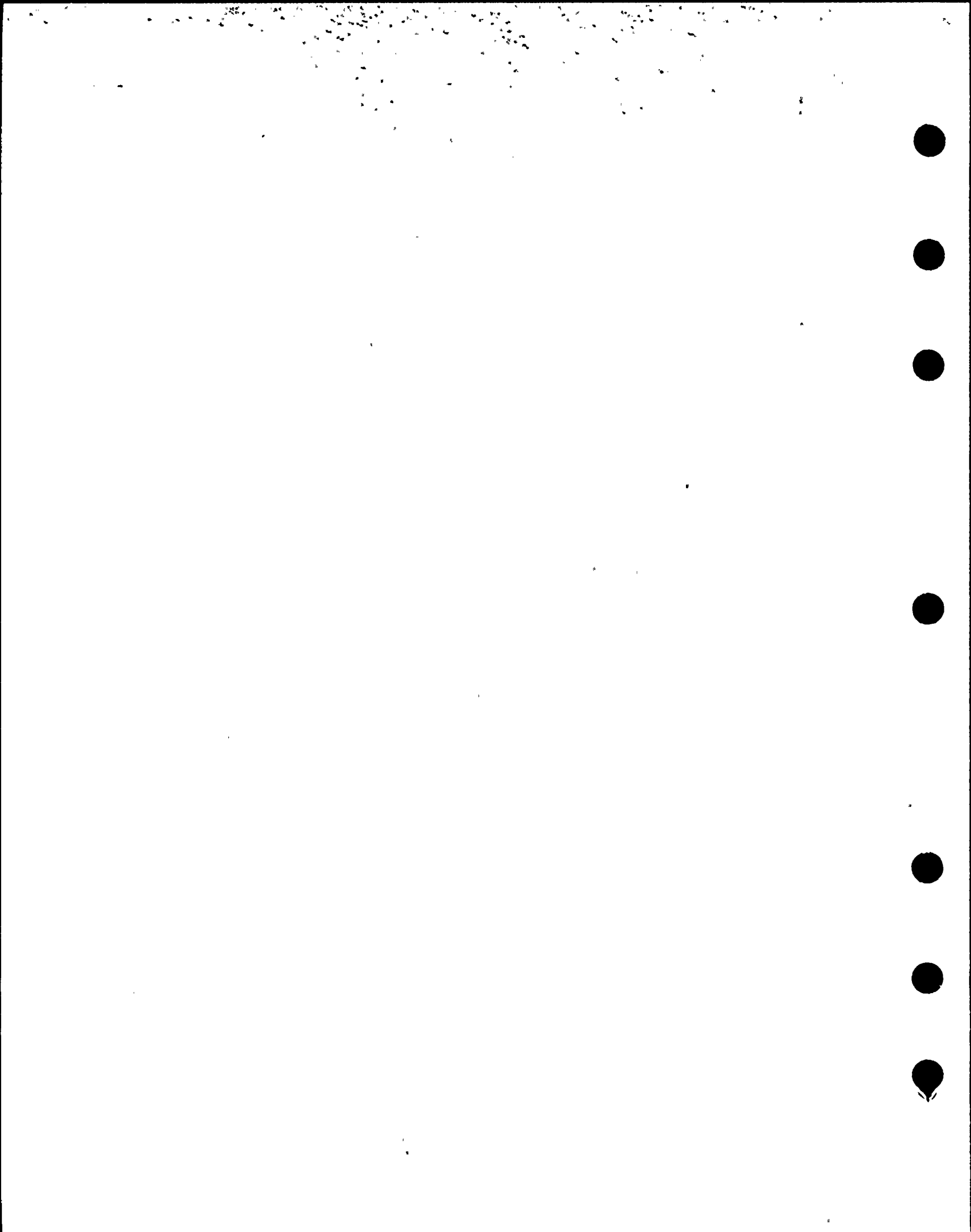


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 5.1-17

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

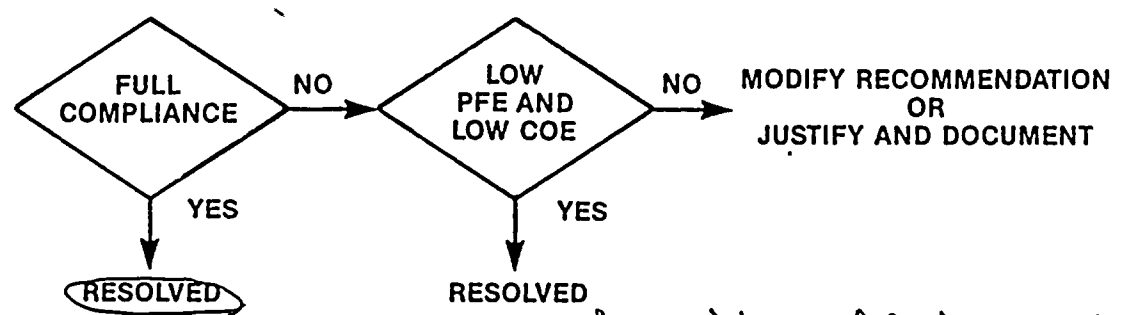
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Labeling will be added to explain white lights. Consistency of other applications will be ensured. On vendor supplied panels, lenses will be changed if appropriate color lenses are available. Will not change APDMS since it is not used by operators and may be removed from CR.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 5.1-18

Collection # 6.5.3.3.b.(2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

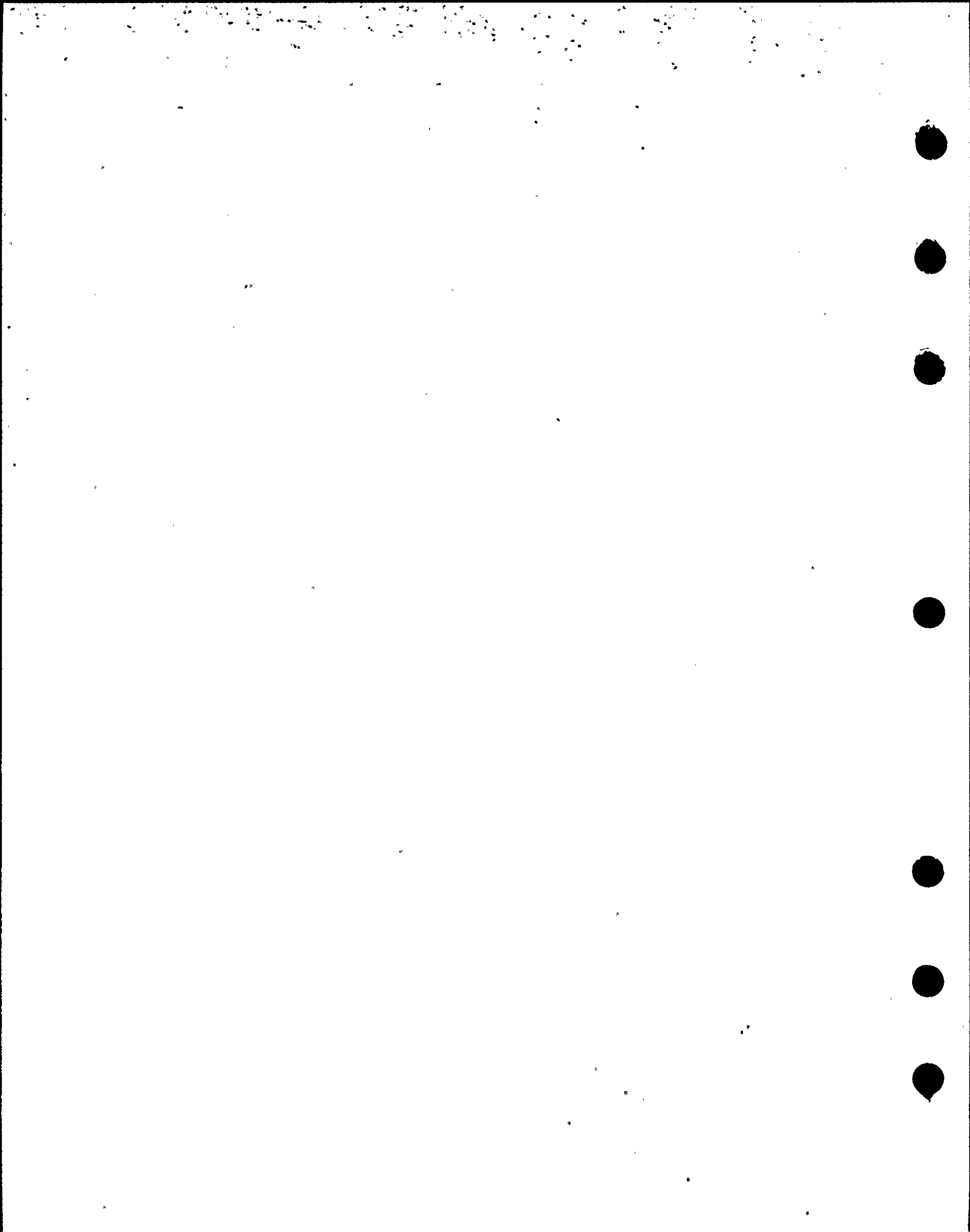


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-18

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

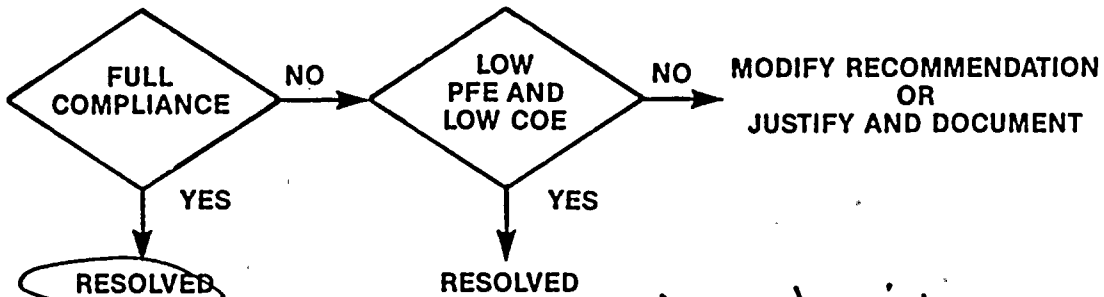
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Legend lights will be re-engraved in compliance with NUREG-0700 guidelines concerning use of capital letters and correct font style.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 5.1-19

Commission # 6.5.3.3.b.3

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

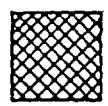
Potential For Error

High

Medium

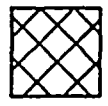
Low

	High	Medium	Low
High			
Medium			
Low			



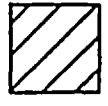
Category I --

High priority; corrective action should be taken.



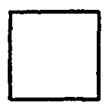
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

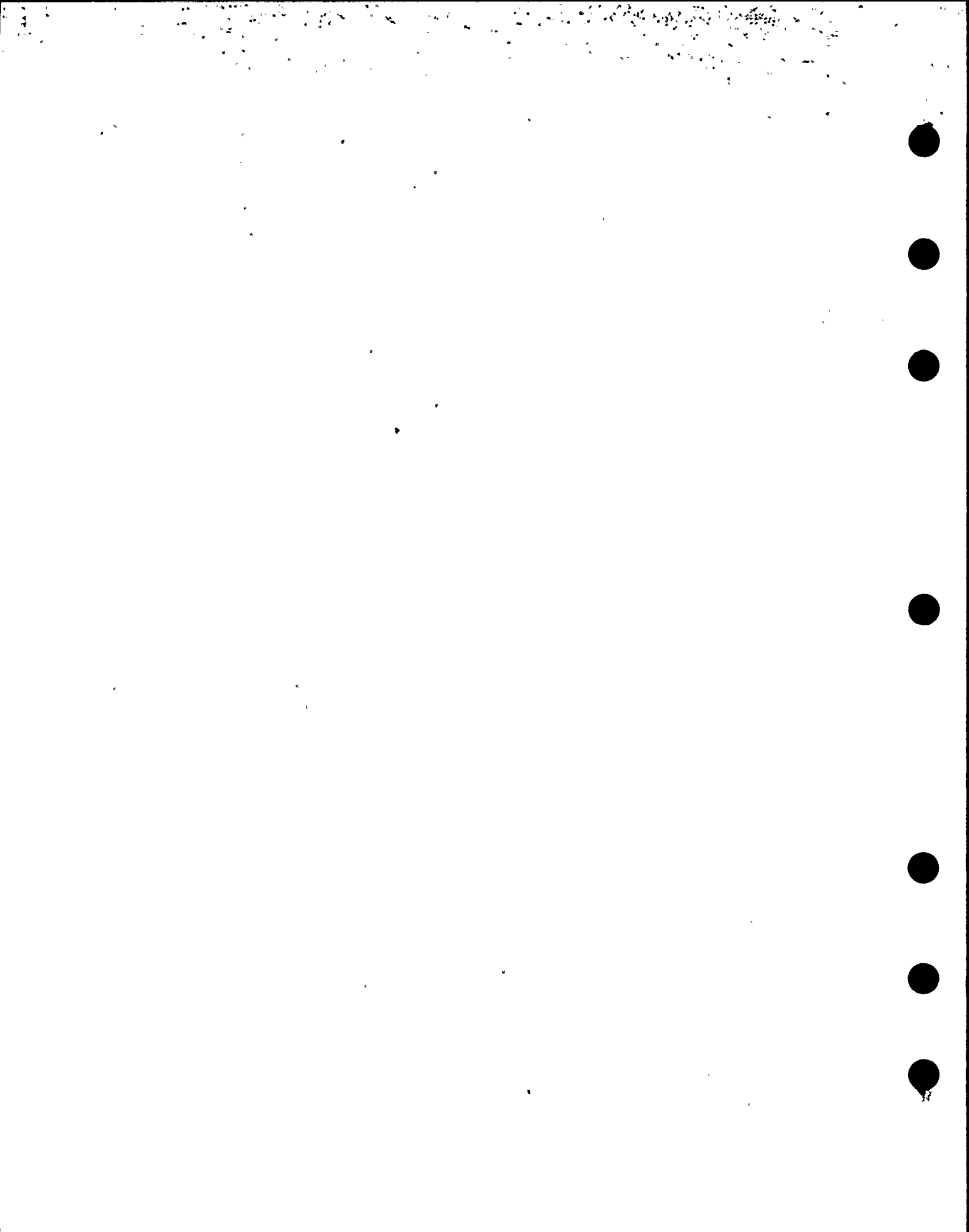


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-19

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

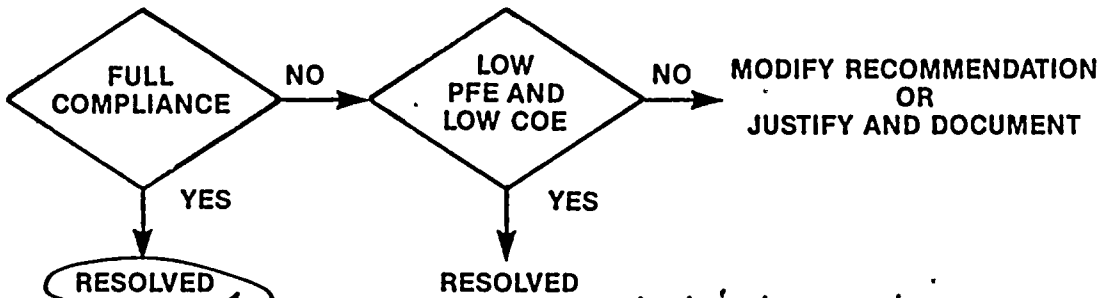
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Legend lights are to be re-engraved in compliance with NUREG-0700 guidelines concerning symbols and punctuation marks

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/19/86



CLO/HED# 5.1-20

Location #: 6.5.3.3.6(5)

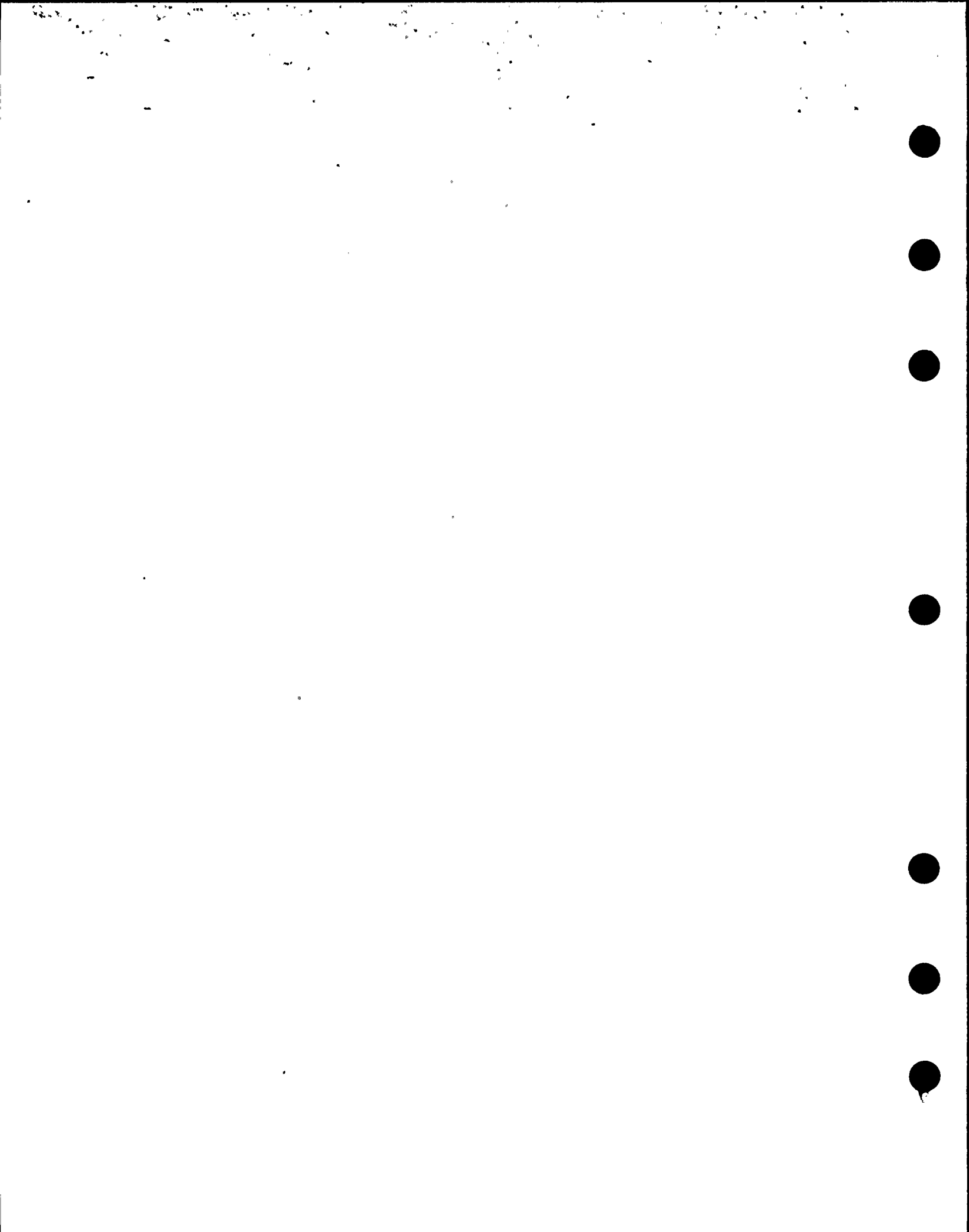
ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	<u>MEDIUM</u>	LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-20

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

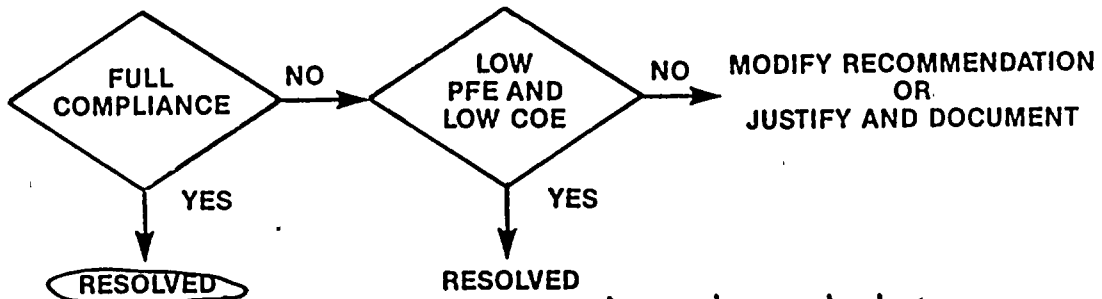
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Legend lights are to be re-engraved using standard abbreviations so they are more concise and fit on 3 lines.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 4/30/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86



CLO/HED# 5.1-21

criticon # 6.5.1.2.e

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLOIHED# 5.1-21

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

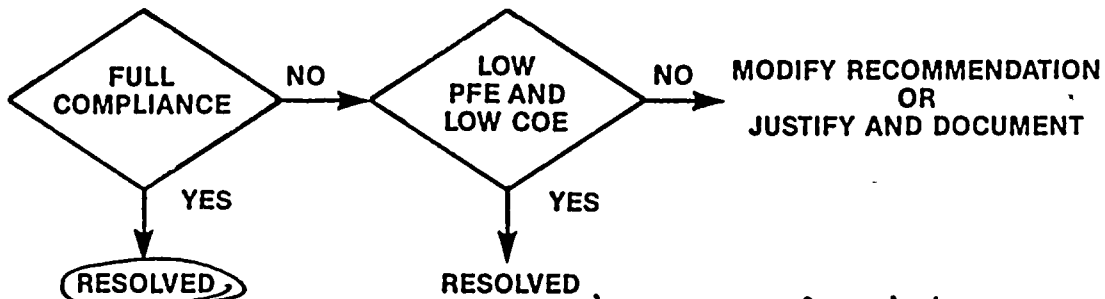
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION meter scale will be replaced so that multiplier is no longer confusing.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/2/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 5.1-22

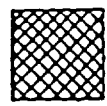
Criterion # 6.5.1.a.e

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.

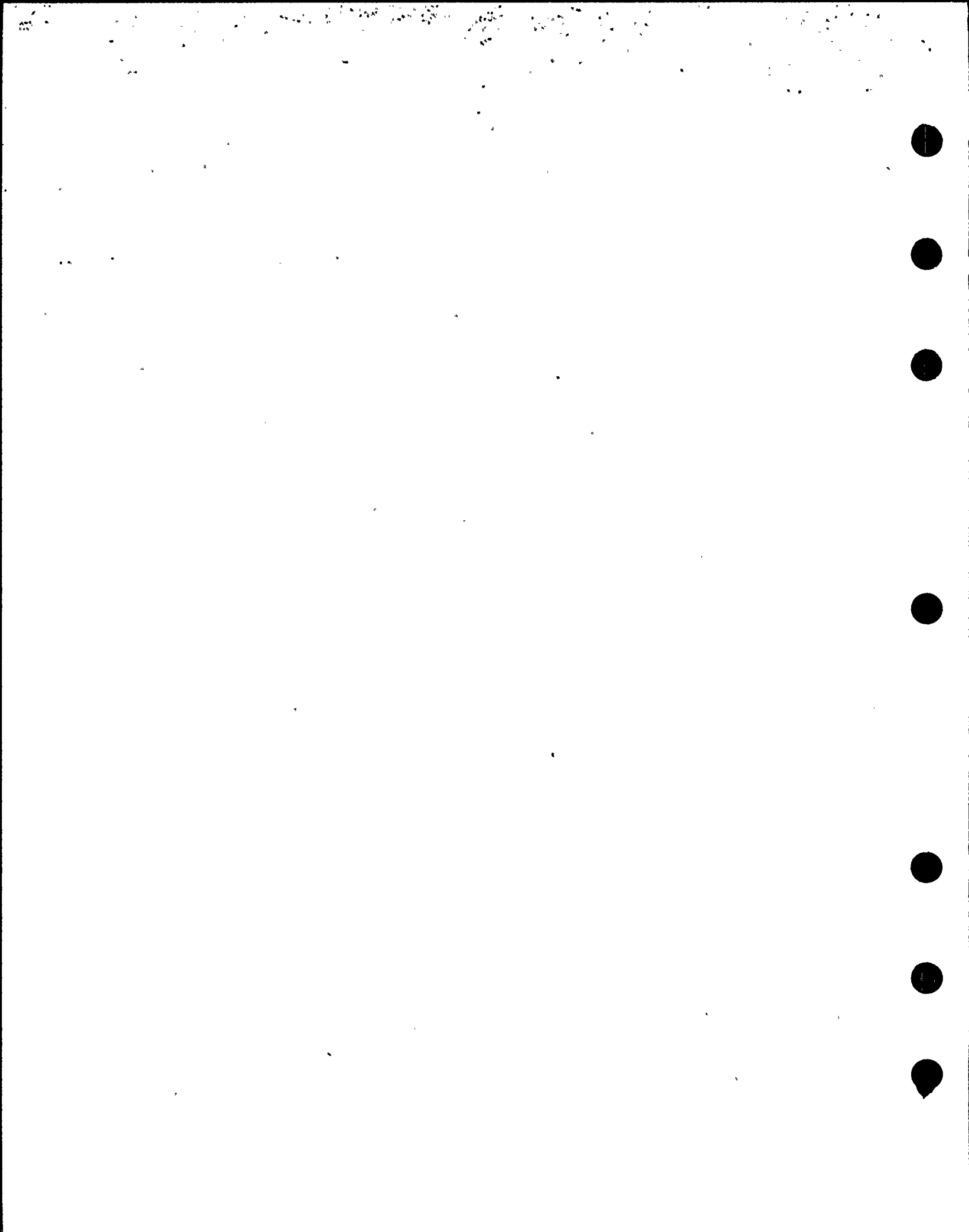


Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED# 5.1-22.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

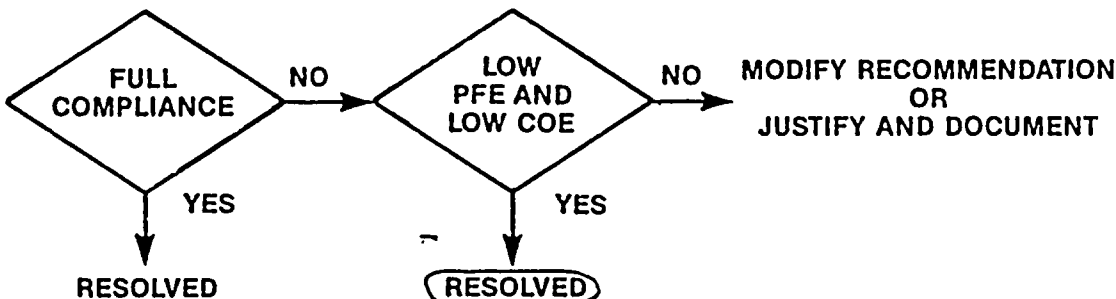
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The numbers in question are used by C+I technicians to calibrate the meters. Operators are aware that the markings are not for their use. The markings are quite small, out of the way, and do not interfere with scale readability.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. [Signature]

DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/19/86

CLO/HED# 5.1-23

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

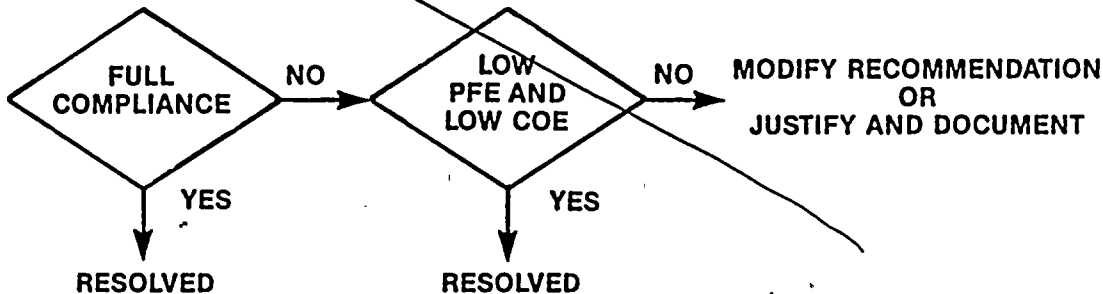
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION CLO is not an HED, there is no violation of NUREG-0700 guidelines. The indicators described are for different parameters with different ranges.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/19/86



CLO/HED# 5.1-24

Criterion #: G.S. 3.3.a.2 & 3

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



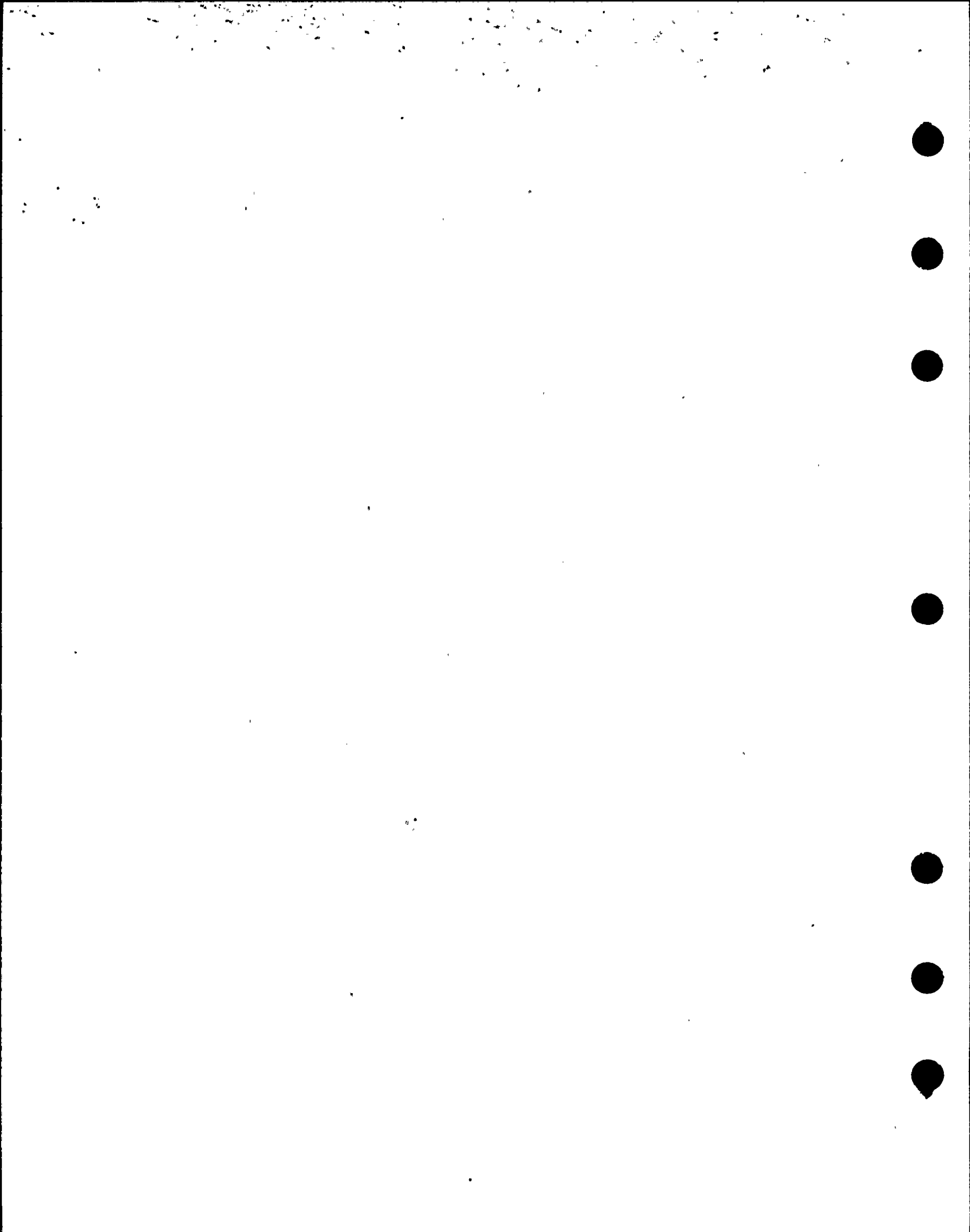
Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-24

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

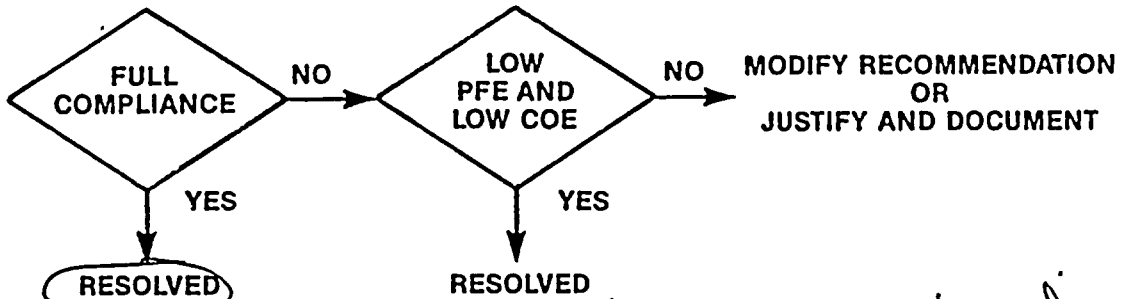
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Blue or green legend indicator lights will be changed to white. Refer to 4.1-19.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/1/86

CLOIHED# 5.1-25.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

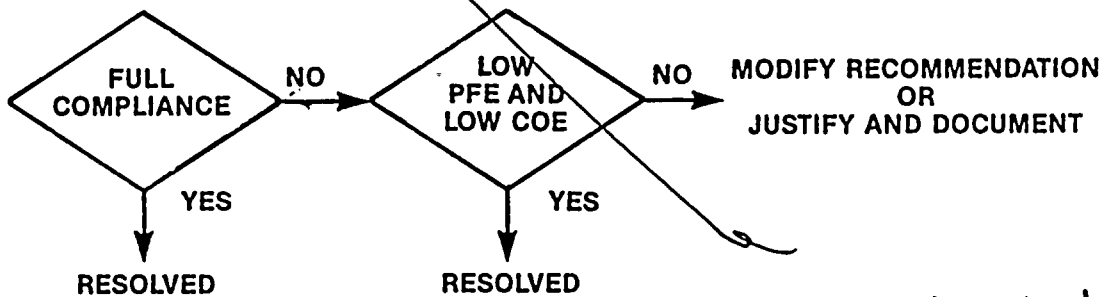
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION This CLO is redundant to 5.1-51. See 5.1-51 since it contains all pertinent information

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/1/86



CLO/HED# 5.1-26

CONV# 6.5.1.5.a.(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

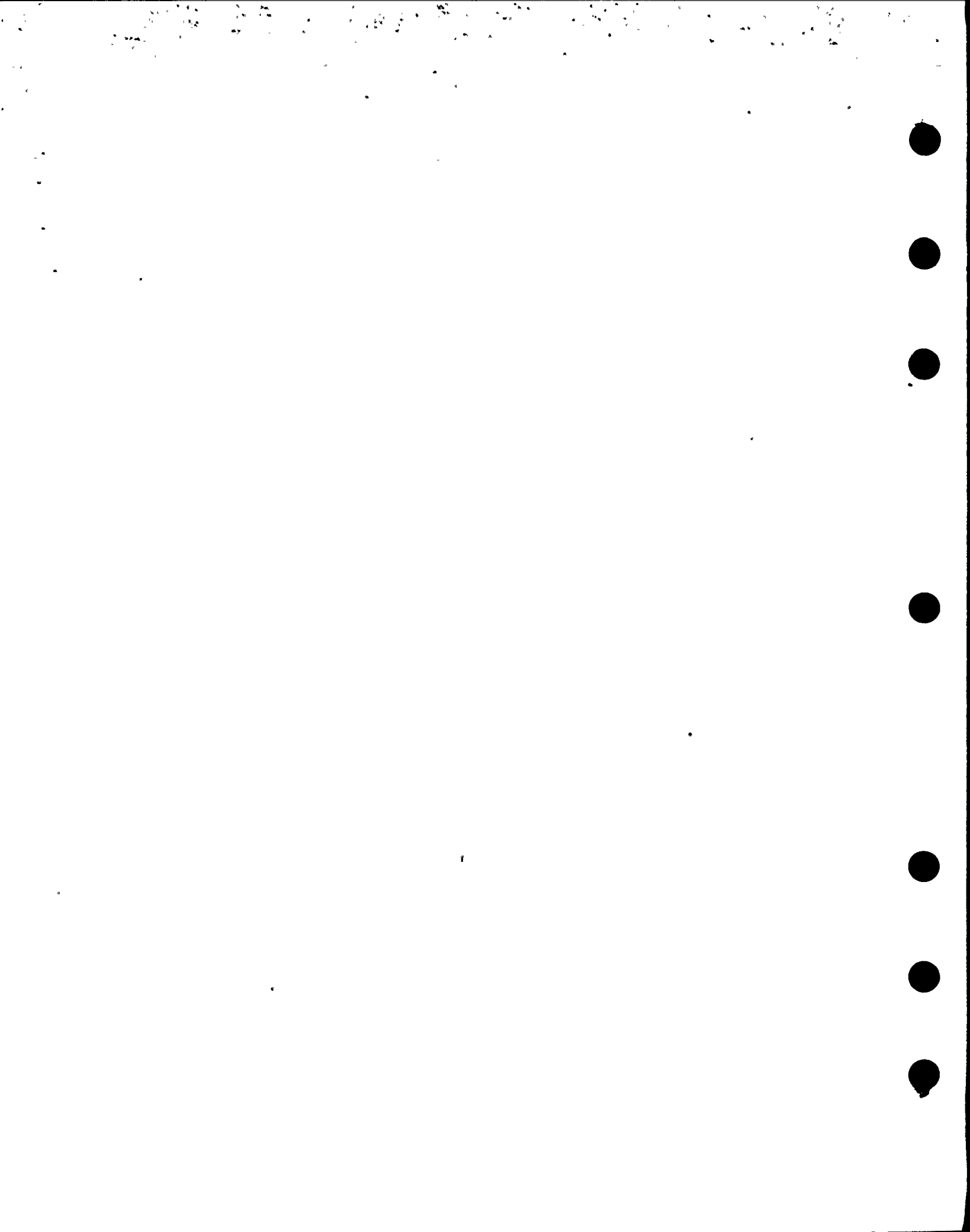


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-26.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

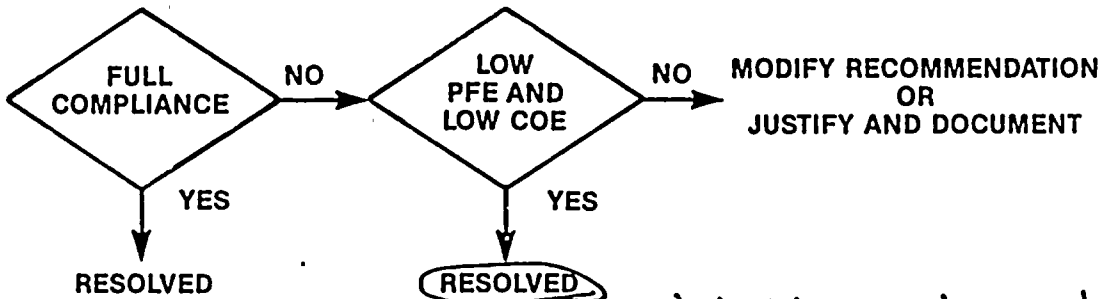
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION. Many indicator scales are to be changed due to other HEDs. When the scales are changed the guideline cited in the present HED will be complied with or followed.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1986



CLOIHED# 5.1-27

6.5.2.1b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

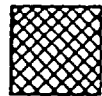
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

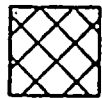
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



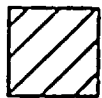
Category I --

High priority; corrective action should be taken.



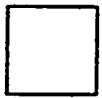
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

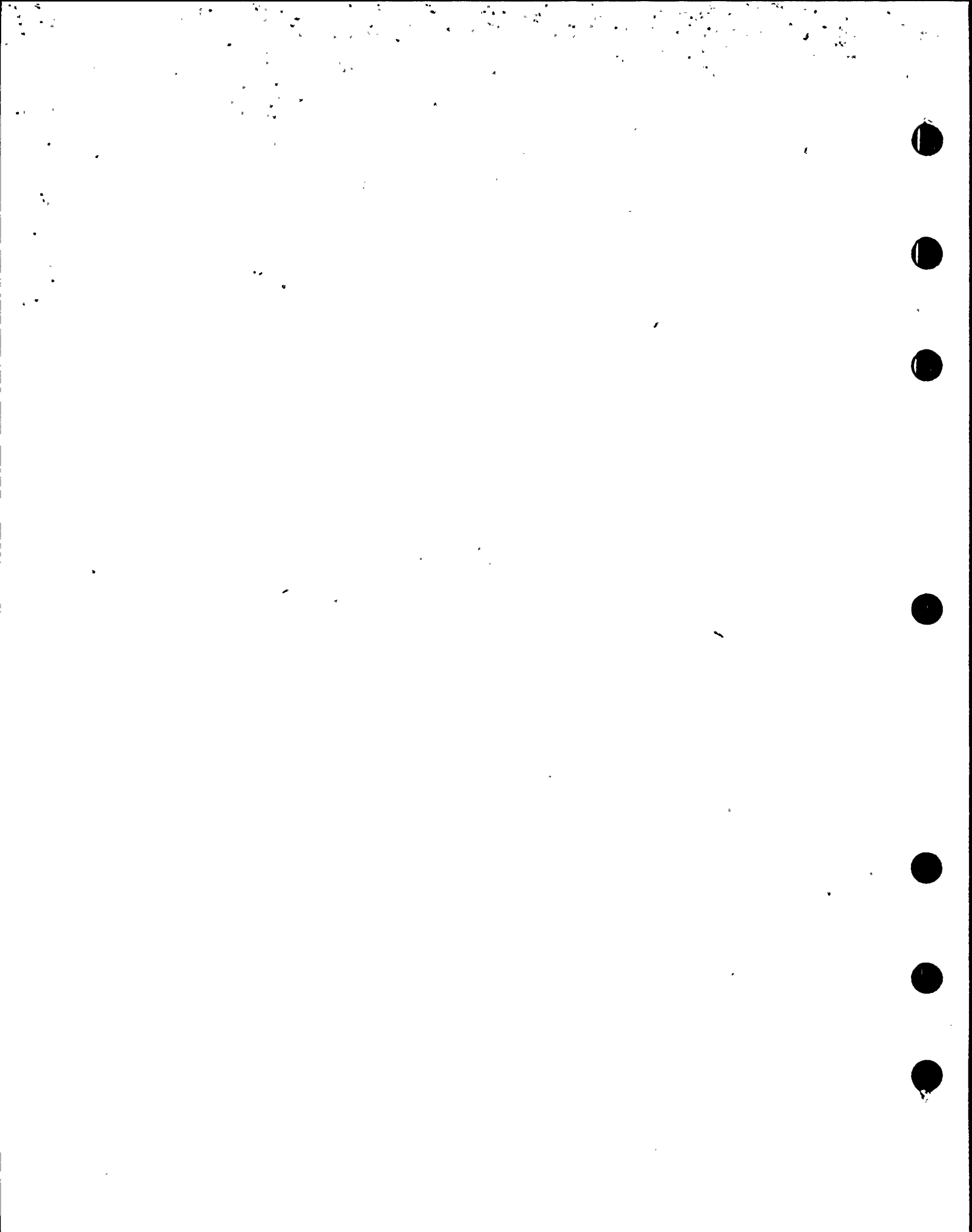


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-27.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

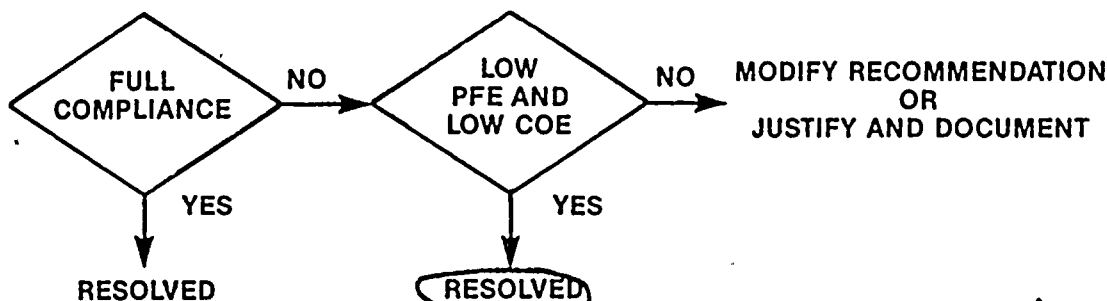
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Indicators are within conventions used and understood at D. C. Cook. Operators are well trained and know that as inches of mercury decrease from 30 at scale bottom to 0 at scale top absolute pressure increases. Labeling enhancements will improve operator comprehension.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/19/86



CLO/HED# 5.1-28

6.5.2.2a(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

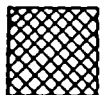
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

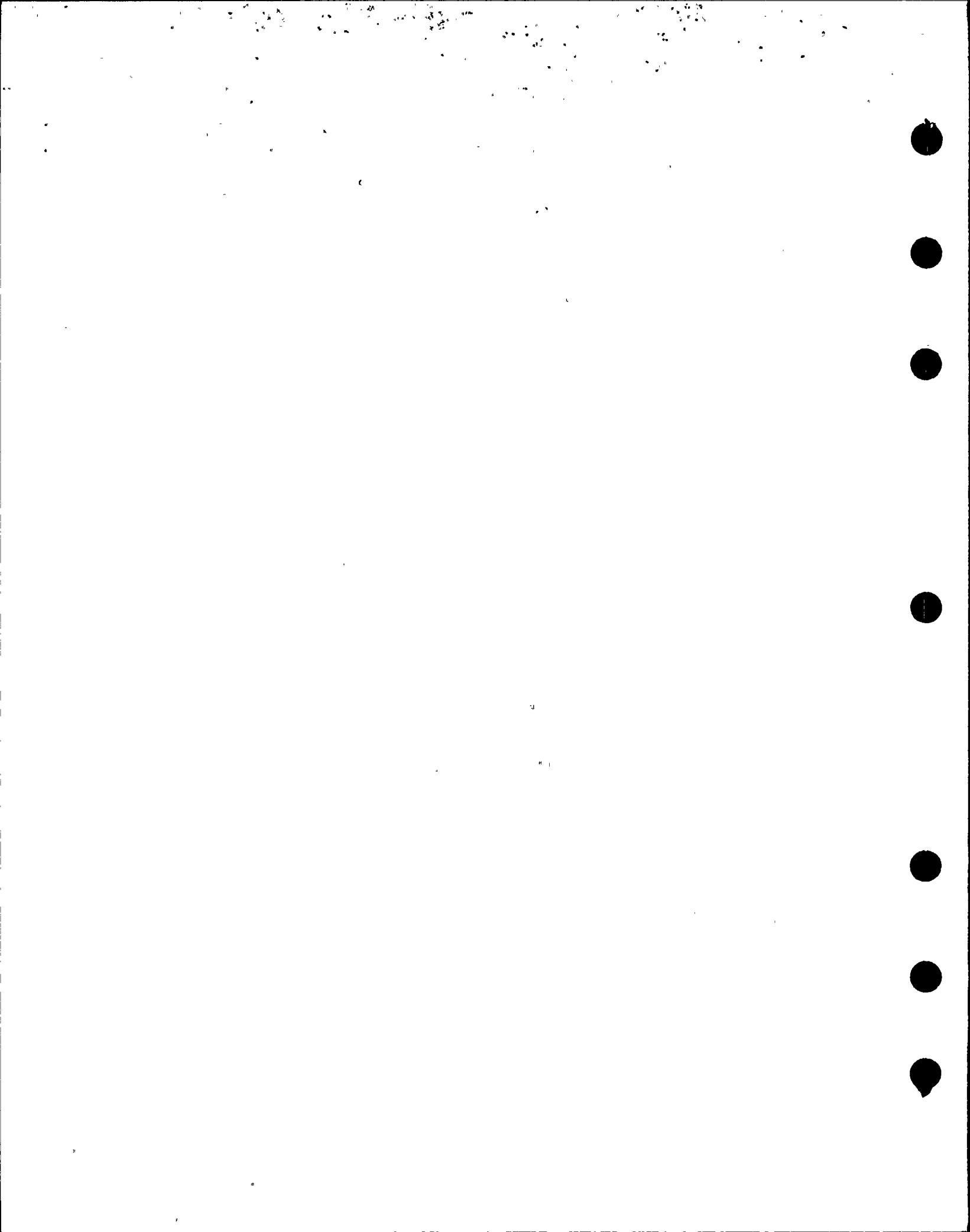
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED# 5.1-28

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

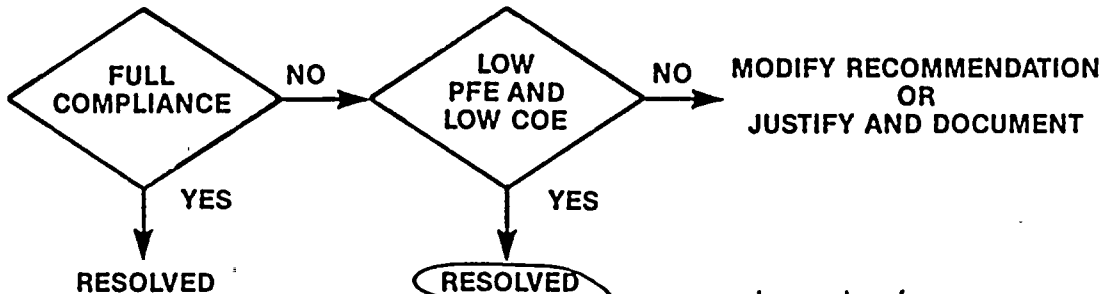
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION All of the meters listed can be easily read without confusion or hesitancy. Should any of the displays require replacement for other reasons, the recommended printer design will be considered.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLOIHED# 5.1-29

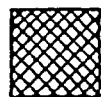
Collection #: 6.5.2.3.a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 5.1-29

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

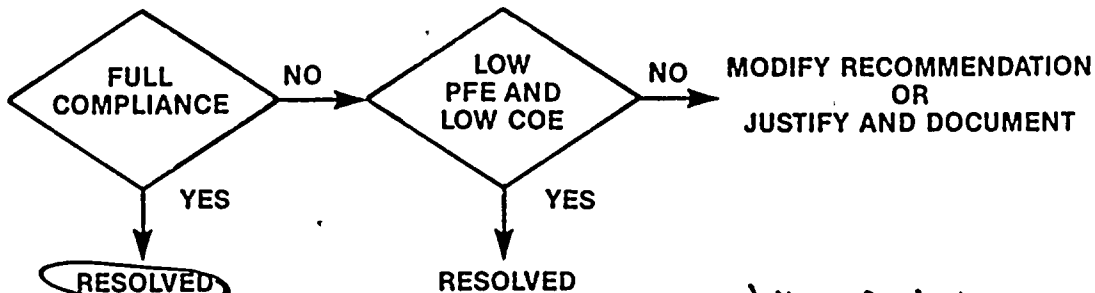
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC will undertake zone coding study and correct indicator zone coding as appropriate.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 4/30/85
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/1/86

CLO/HED# 5.1-30

Criterion #: 6.5.2.3.b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM **LOW**
CONSEQUENCE OF ERROR (COE) HIGH **MEDIUM** LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-30

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

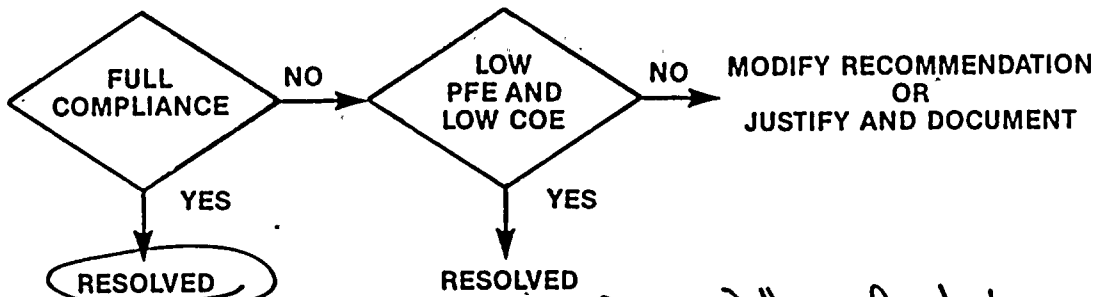
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC will undertake zone coding study and correct indicator zone coding as appropriate.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 4/30/85
AEPSC PROGRAM LEAD ENGINEER RFB DATE 1/19/86

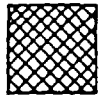
CLO/HED# 5.1-31

Correction #: 6.5.1.6.2.2.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>

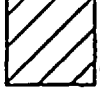
		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



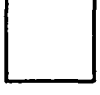
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.

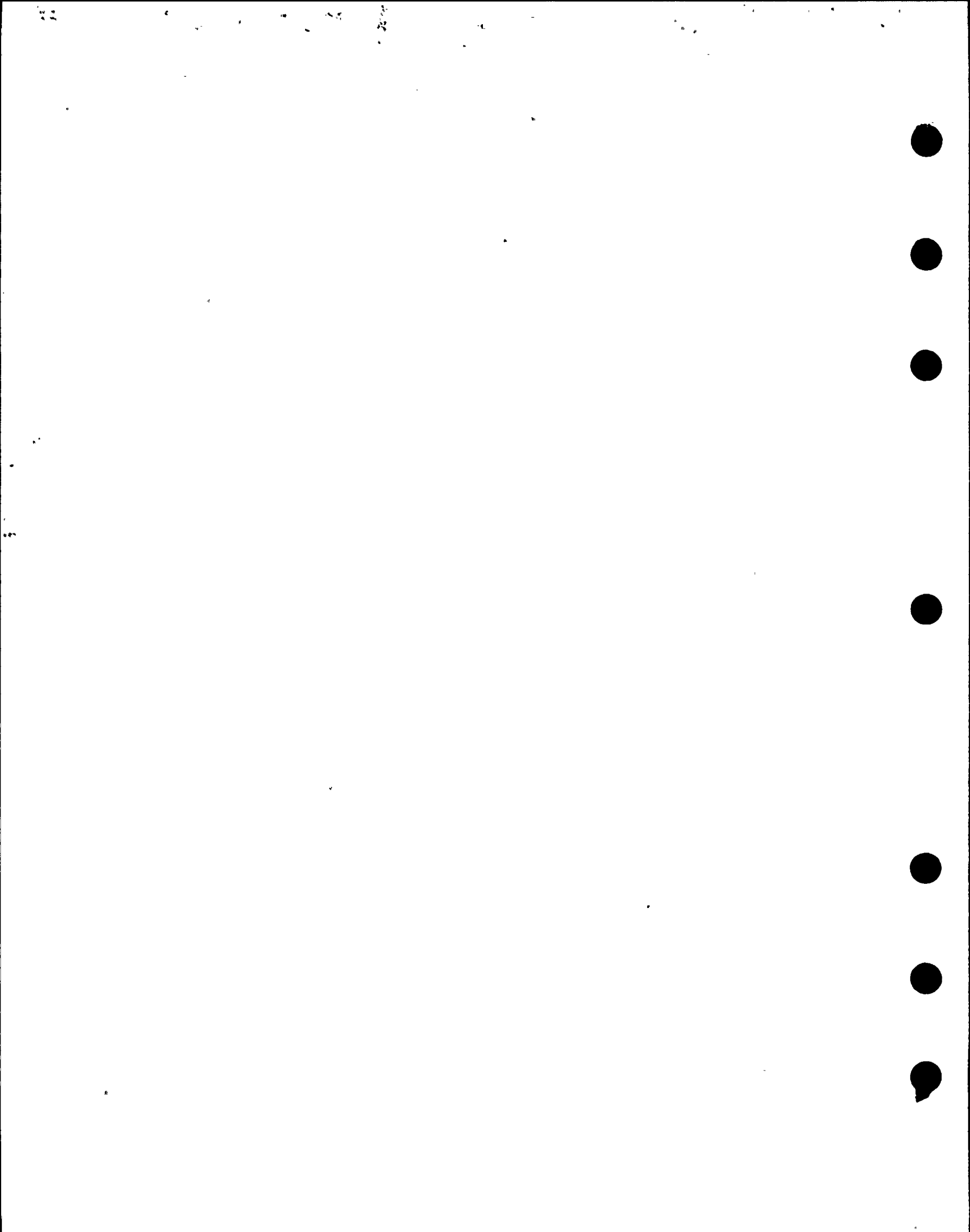


Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED# 5.1-31

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

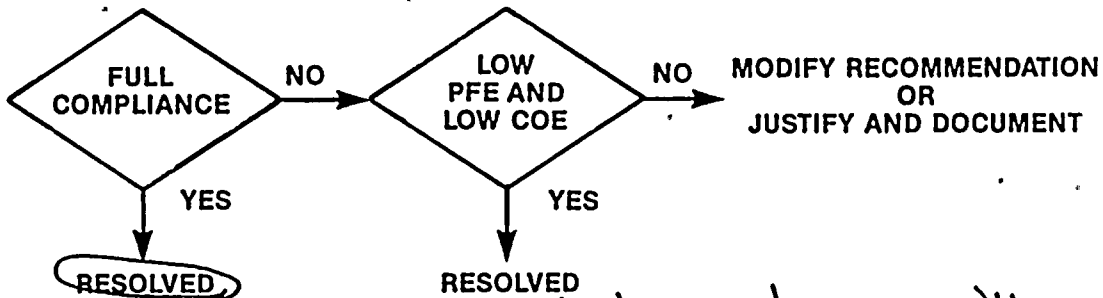
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Plant maintenance will make effort to repaint and keep flag indicators clean.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/19/86



CLO/HED# 5.1-32

6.5.2.5

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

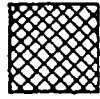
MEDIUM

LOW

Consequence Of Error

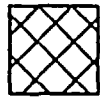
High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



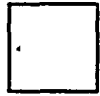
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED# 5.1-32

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

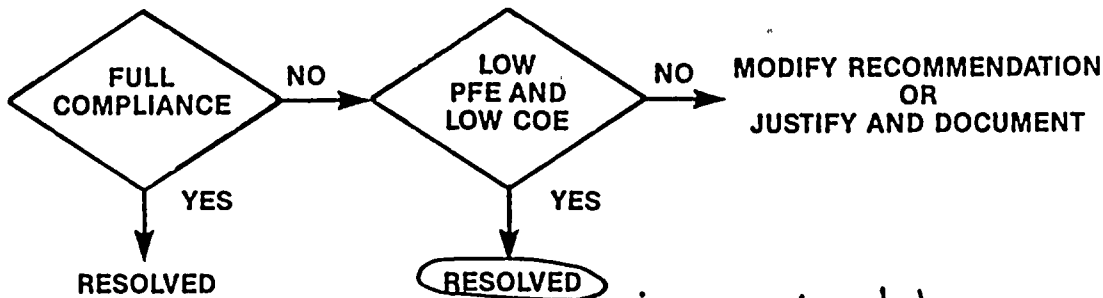
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The Fischer H/A stations occasionally function as moving scale/fixed pointer. They are not confusing to operators. The use of the scales will be improved when direction of motion is labeled as suggested in HED 6.1-42. Also see HED 4.1-18.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/2/86
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/1/86

CLO/HED# 5.1-33

criticism #: G.S.1.3.c.(4)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-33.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

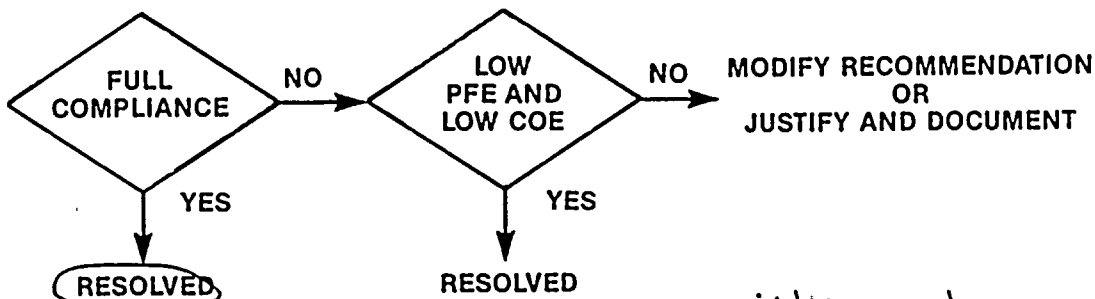
PENDING	DATE
<input type="checkbox"/> FURTHER REVIEW BY _____	_____
<input type="checkbox"/> FURTHER REVIEW BY _____	_____
<input type="checkbox"/> FURTHER REVIEW BY _____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Windows will be clear, scales will have white background, except for narrow band (without numbers) that will be color coded for parameter.

SIGNOFF





H.F. CONSULTANT (ESSEX)	<u>[Signature]</u>	DATE	<u>11/3/86</u>
AEPSC PROGRAM LEAD ENGINEER	<u>RFS</u>	DATE	<u>11/24/86</u>

CLO/HED# 5.1-34
6.5.4.1b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-34

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

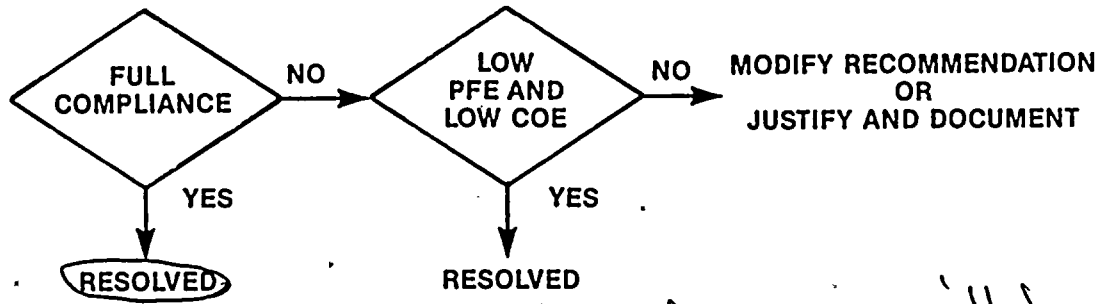
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Recorder Paper will be changed to match scales and maintained as such.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 5.1-35

Correction # 6.S.S.1.9.4

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error
High
Medium
Low

High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

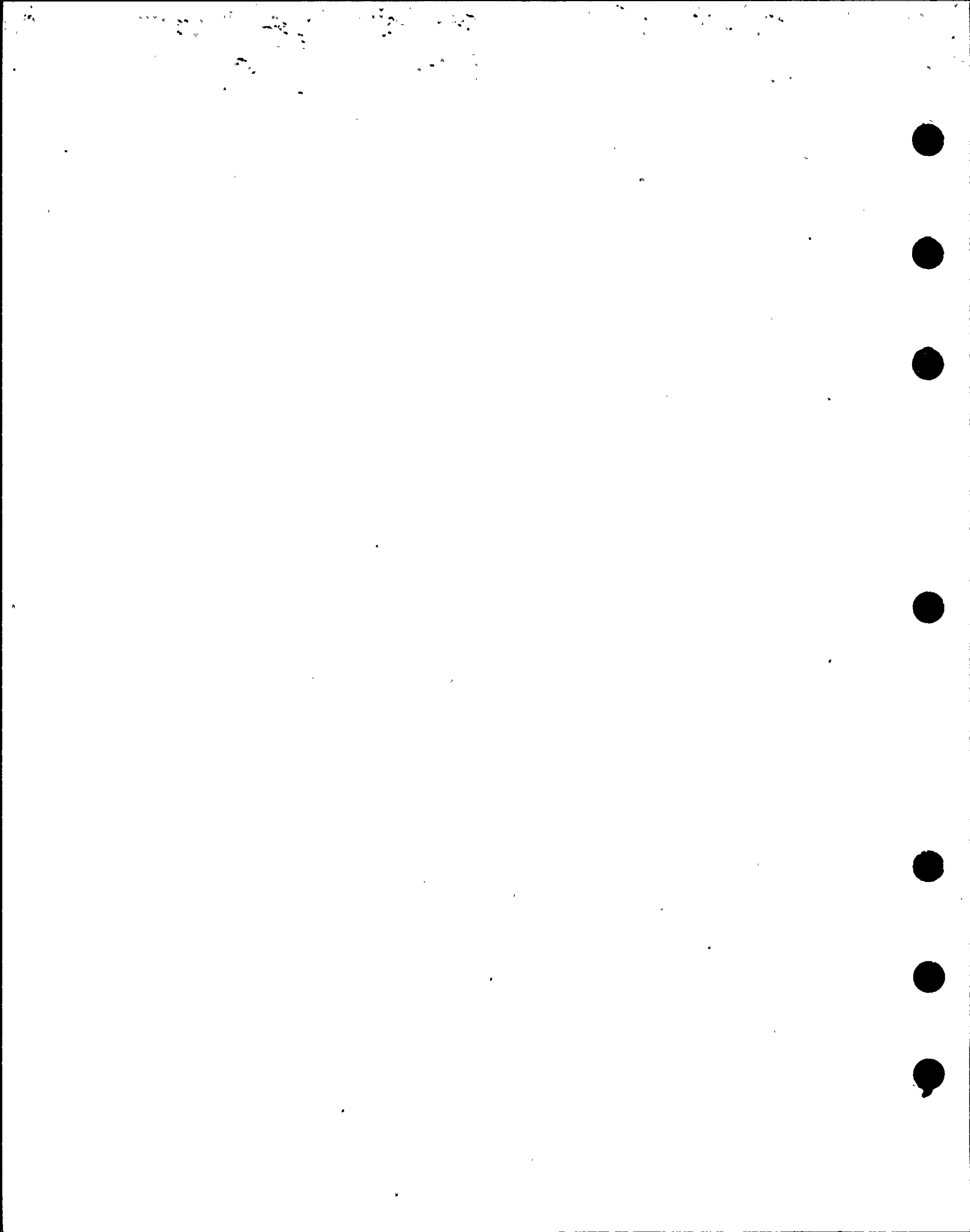


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-35

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

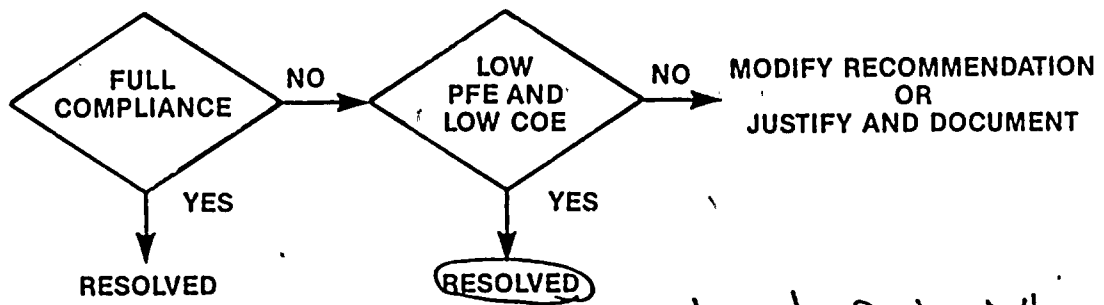
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION The contrast of the white numbers on black background is good, all counters are easily read.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/19/86

CLO/HED# 5.1-36

Collection # 6.5.5.1.b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

TU

CLO/HED# 5.1-36.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

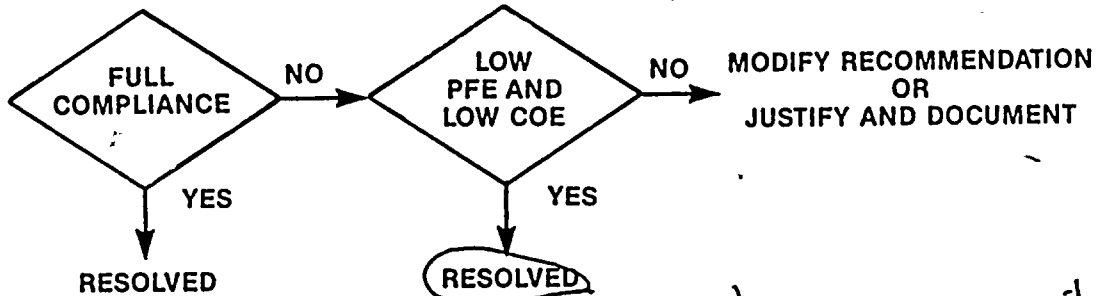
- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES NO YES

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW



EXPLANATION OR JUSTIFICATION: All counters are easily read, the numbers are large enough to compensate for the somewhat off perpendicular mounting.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/19/86

CLO/HED# 5.1-37

Correction #: 6.5.5.2.a.2.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

~~LOW~~

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 5.1-37.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

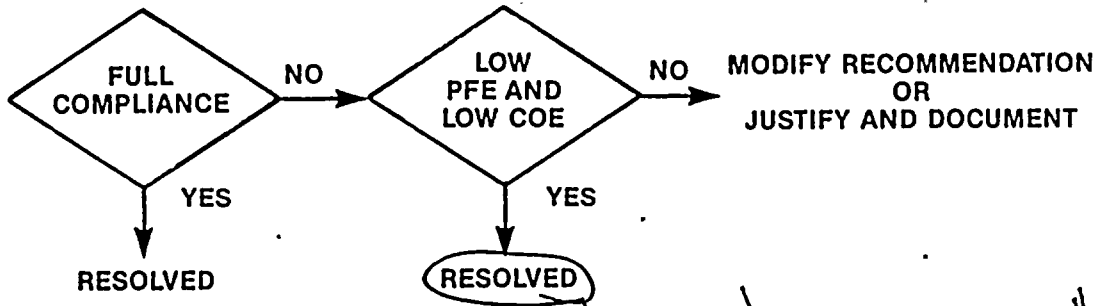
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION All counters are easily read, the characters are more than large enough to compensate for the slant.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
AEPSC PROGRAM LEAD ENGINEER RFO DATE 1/19/86

CLO/HED# 5.1-38

Case # 6.5.1.5.a.3
6.5.4.1.c.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error
High
Medium
Low

High	Category I (Cross-hatch)	Category II (Diagonal)	Category III (Diagonal)
Medium	Category I (Cross-hatch)	Category II (Diagonal)	Category III (Diagonal)
Low	Category III (Diagonal)	Category III (Diagonal)	Category IV (Empty)



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-38

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

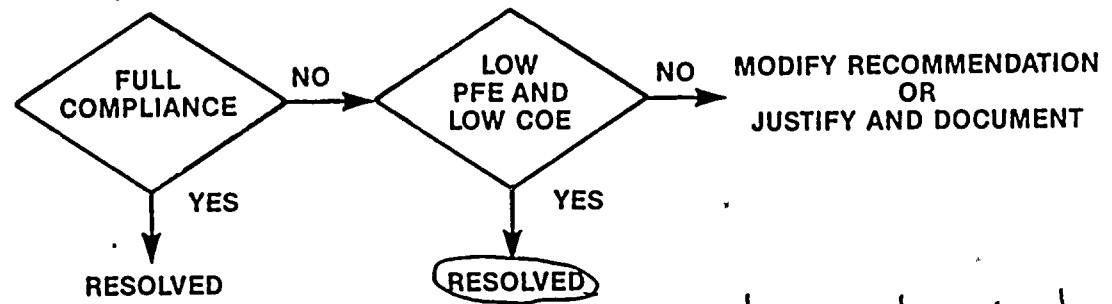
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION Many scales are being changed due to other HEDs. When changed they will be designed to NUREG-0700 guidelines with consideration given to appropriate use of major, intermediate and minor graduations.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 5,1-39

6.5.2.2b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

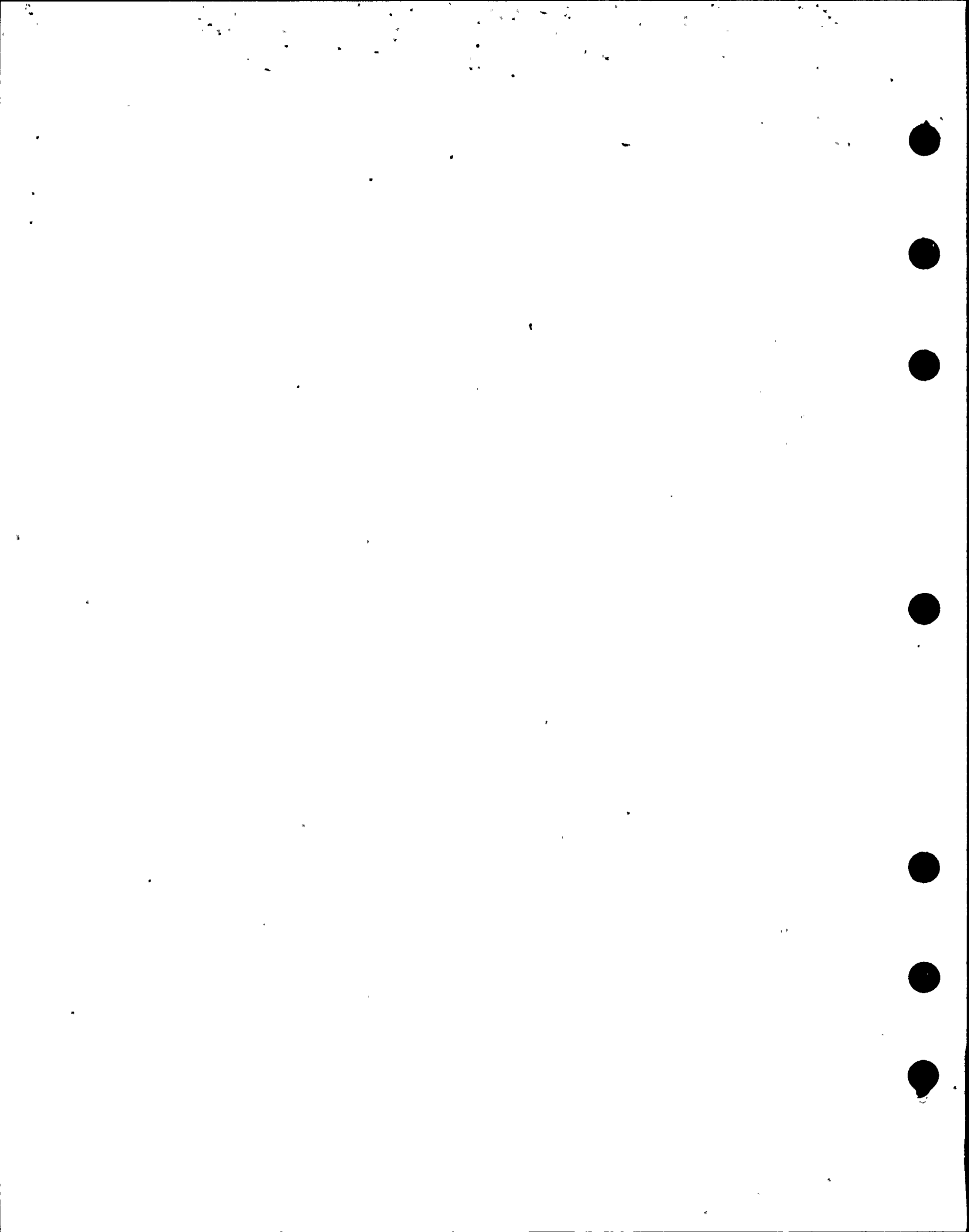


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-39

6.5.2.2b

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

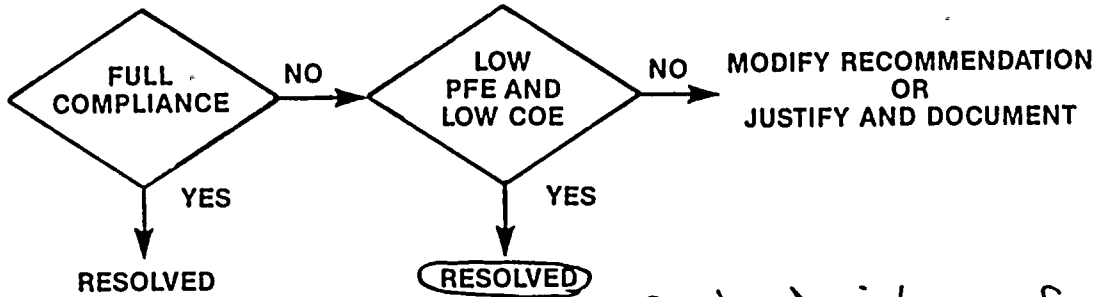
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION All of the displays referred to can be easily read to the required accuracy of the application without confusion or hesitancy.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/1/86

CLO/HED# 5.1-40

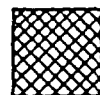
Discussion #: 6.5.2.2.C.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

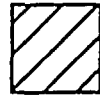
		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



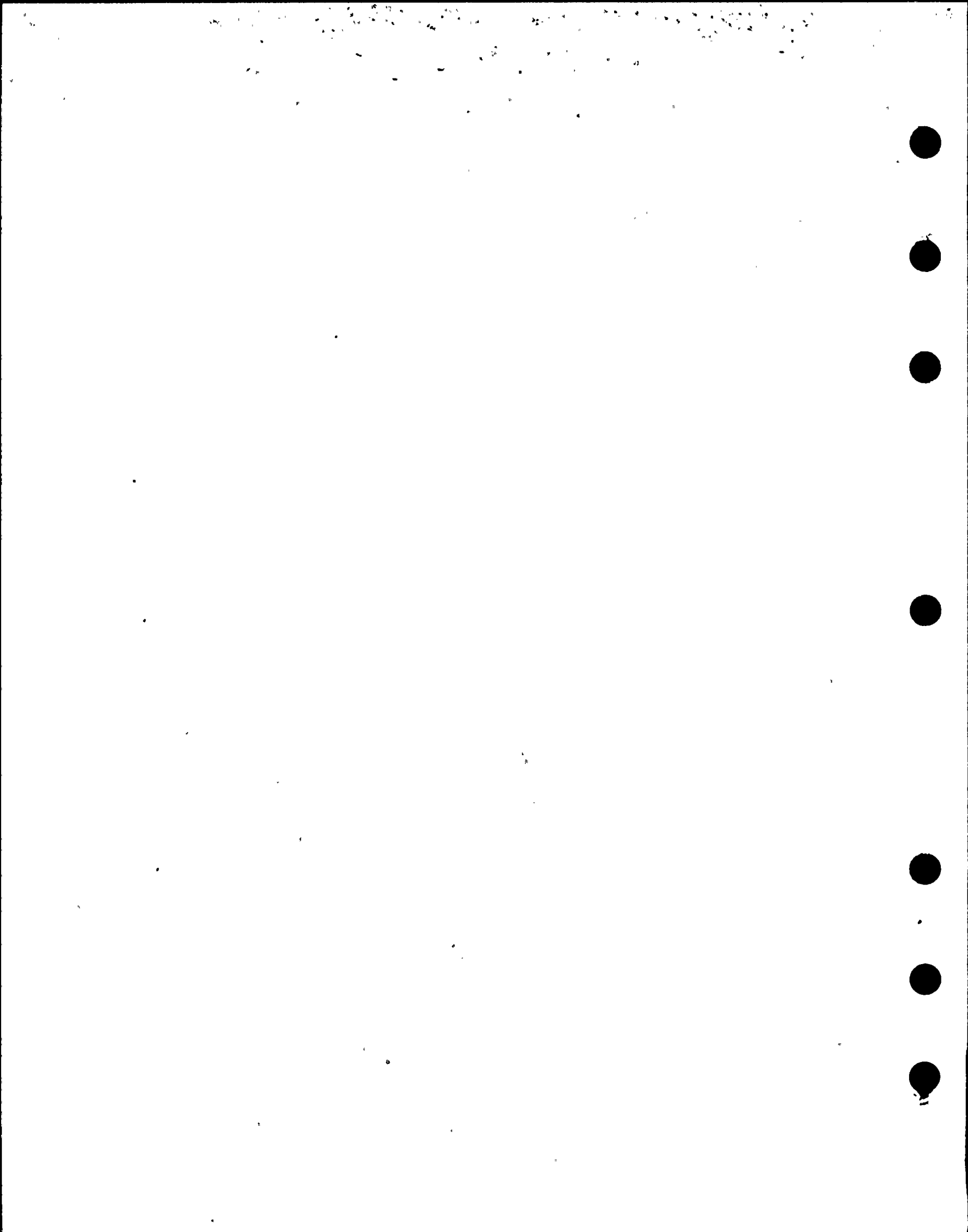
Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-40

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

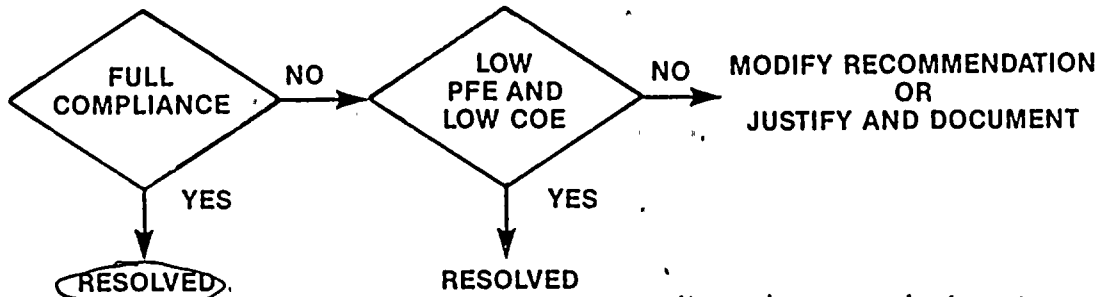
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES.	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION For indicators, black
printers on white scale faces will be used.
Process controller printers have good contrast,
they do not need to be enhanced. Note: narrow
band on vertical indicators will be color code for parameter.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/19/86

CLO/HED# 5.1-41

Condition # 6.5.1.4.4.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

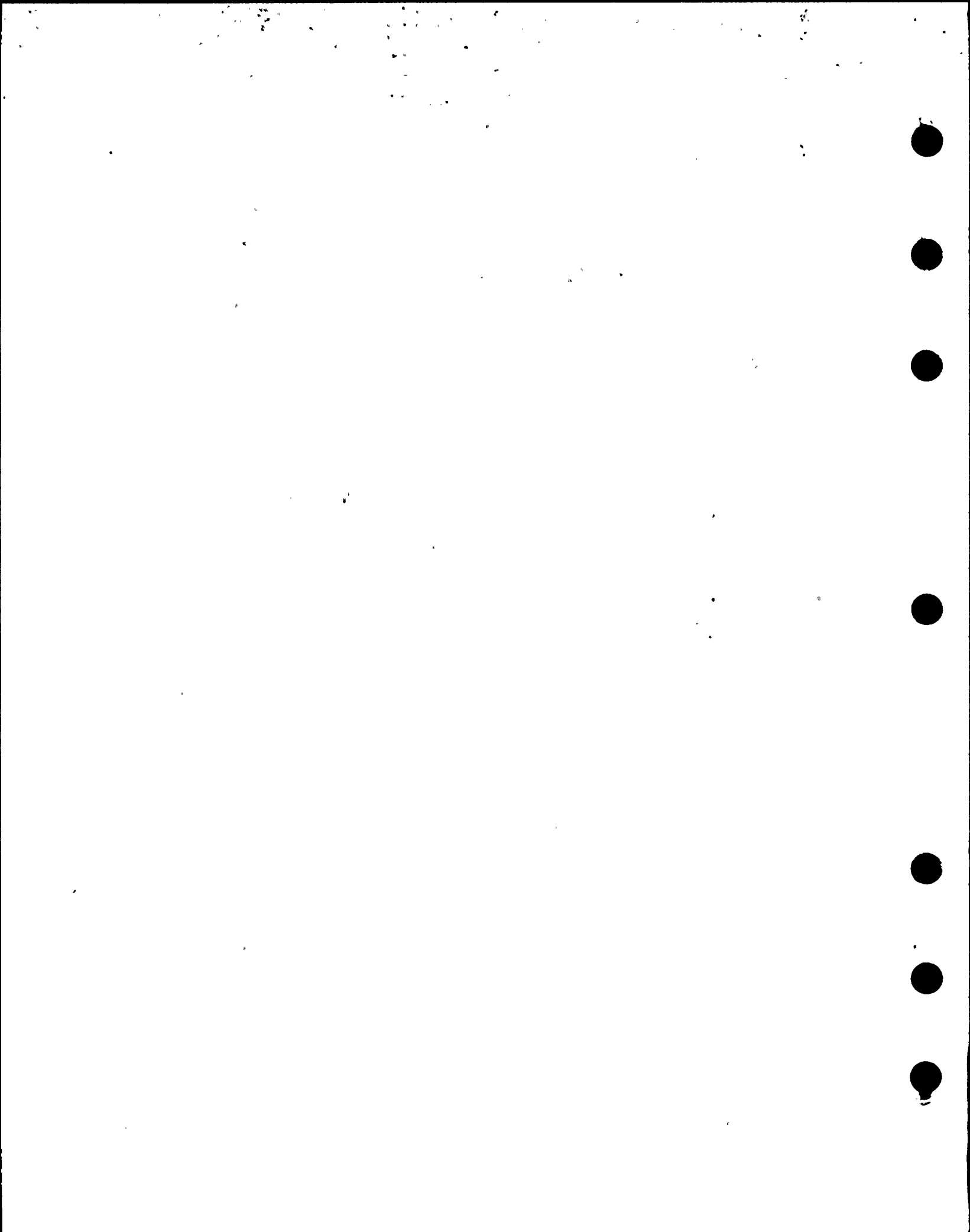


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-41.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

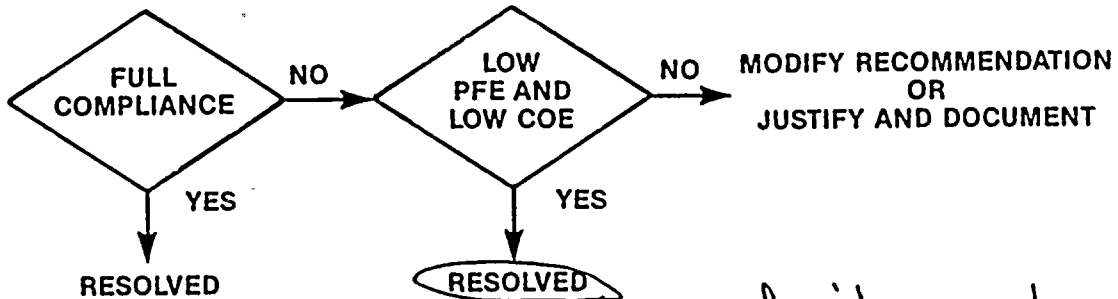
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Many indicator scales will be replaced due to other HEDs. When scales are changed multipliers will be eliminated such that only 10³ and 10⁶ will be used wherever possible

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER

[Signature]

DATE 1/19/86

CLO/HED# 5.1-42

Collection #: 6.5.5.1.a.3.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

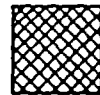
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-42

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

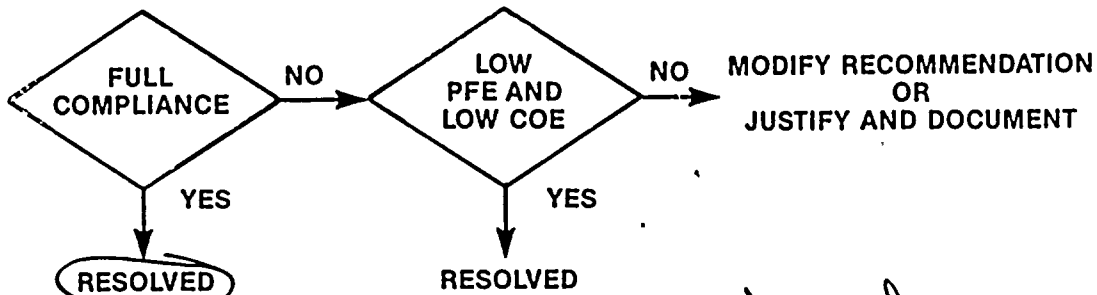
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Decimals and commas will be added where appropriate.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 5.1-43

6.5.2.2 a(2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# 5.1-43

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

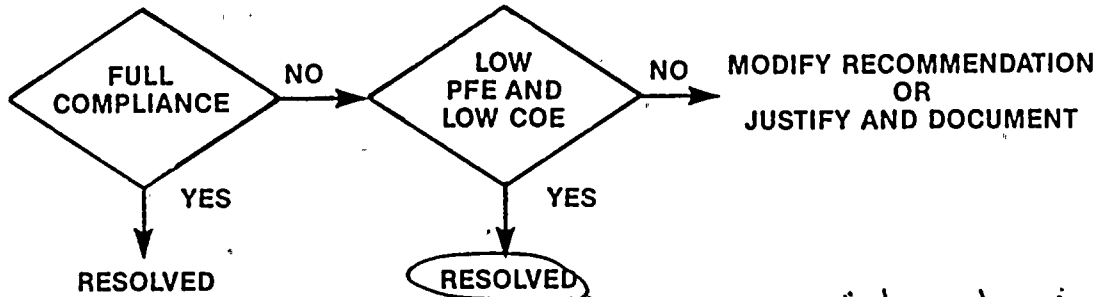
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION Pointer sizes relative to the size of numerals is not excessive, the operators recognition of the numerals is not hindered. In some cases portions of graduation marks are covered, but recognition of the location of the marks and pointer tip are not compromised.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/1/986

CLO/HED# 5.1-44

Collection #: 6.5.1.6.2
6.5.2.3.0.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error
High
Medium
Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 5.1-44

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

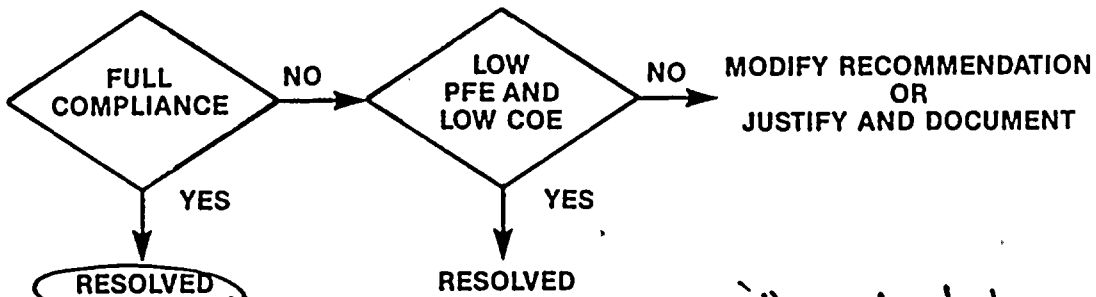
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSIC will undertake a zone coding study and ensure colors used for display zone coding are appropriate.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____ DATE 4/20/85
 AEPSIC PROGRAM LEAD ENGINEER RFS DATE 1/1/86

CLO/HED# 5.1-45

CRITERION#: 6.5.1.5.C
6.5.4.1.C

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

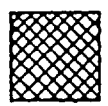
CONSEQUENCE OF ERROR (COE)

HIGH

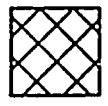
MEDIUM

LOW

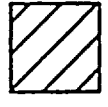
		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



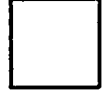
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



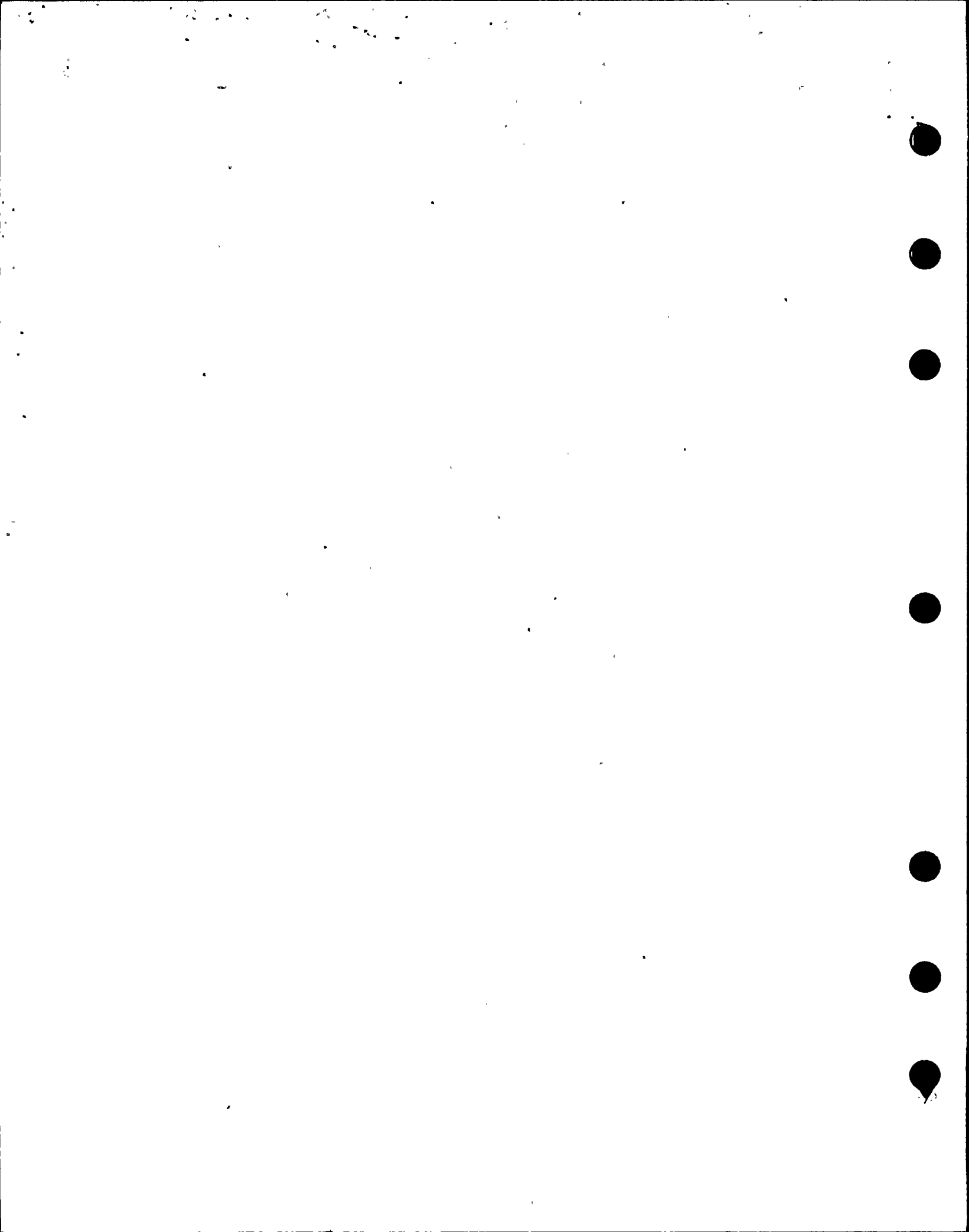
Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-45

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

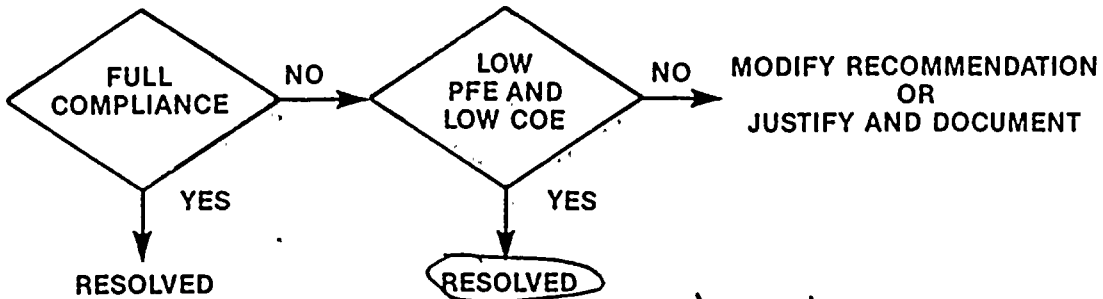
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The scales will be reviewed and replaced as necessary. Most of the scales listed will be replaced, however, some electrical meter scales will be maintained to electrical meter conventions.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# S-1-46

criticism #: 6.5.2.3 a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 5.1-46

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

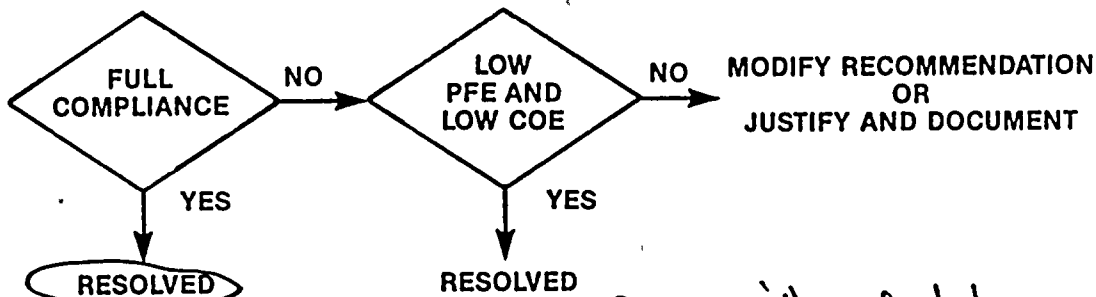
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC will undertake a zone coding study to ensure indicator zone coding is appropriately applied.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 4/30/85
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/1986



CLO/HED# 5.1-47.

Citation #: 6.5.2.3.a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM **LOW**

CONSEQUENCE OF ERROR (COE) HIGH **MEDIUM** LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-47

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

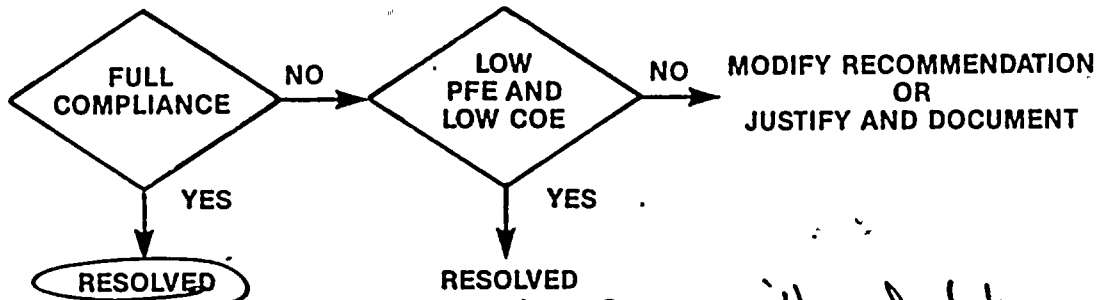
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC will undertake a zone coding study and will modify zone codes as appropriate. Use that codes are distinct for different zones.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 4/30/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 5.1-48

CONCLUSION: 6.5.3.3.4.6

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-48

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

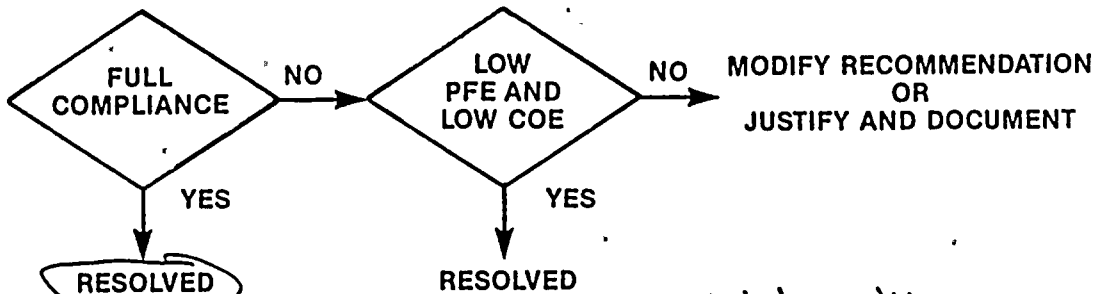
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Legend lights will be re-engraved using correct abbreviations.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86



CLOIHED# 5.1-49

CONVERSION = 6.5.1.2.0
6.5.1.4.2.
6.5.4.kC

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-49

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

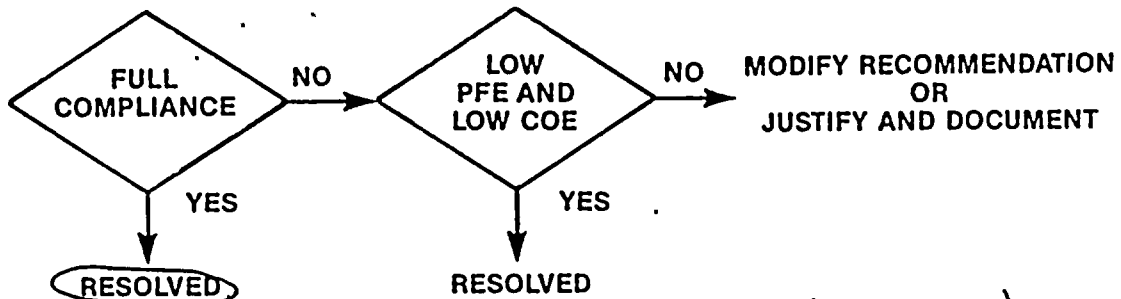
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Many scales are to be replaced, where possible only 10³ and 10⁶ will be used.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86



CLO/HED# 5.1.50

Commission #: 6.5.1.4.2, 8, 2.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

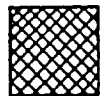
Potential For Error

High

Medium

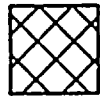
Low

	High	Medium	Low
High			
Medium			
Low			



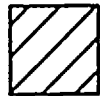
Category I --

High priority; corrective action should be taken.



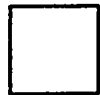
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-50

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

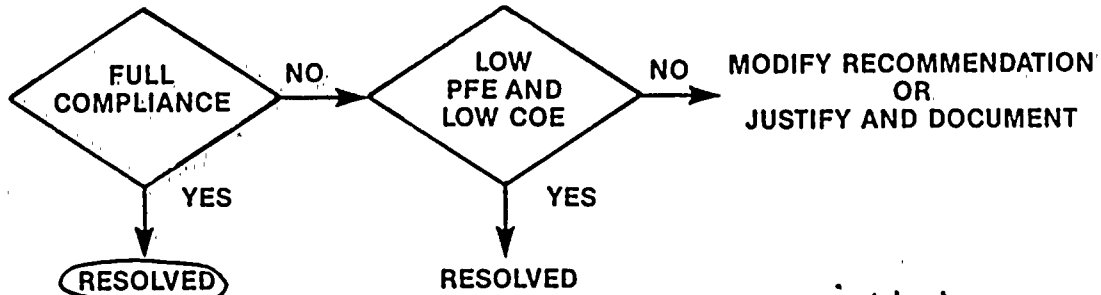
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION messages will be modified using standard abbreviations and bolder engraving.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 5.1-51

6.5.2.4a
6.5.2.1b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-51.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

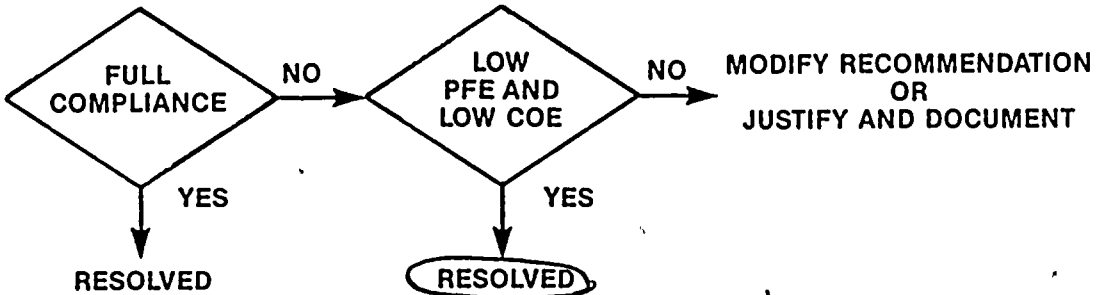
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION Baron Injection Tank Temp. is to be corrected. Hydrogen Recombiner Temp. meters are easily read, no change is needed.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/19/86



CLO/HED# 5.1-52

Location #: 6.5.1.3.4.1
6.5.4.2.6.2.
6.7.1.5.4.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

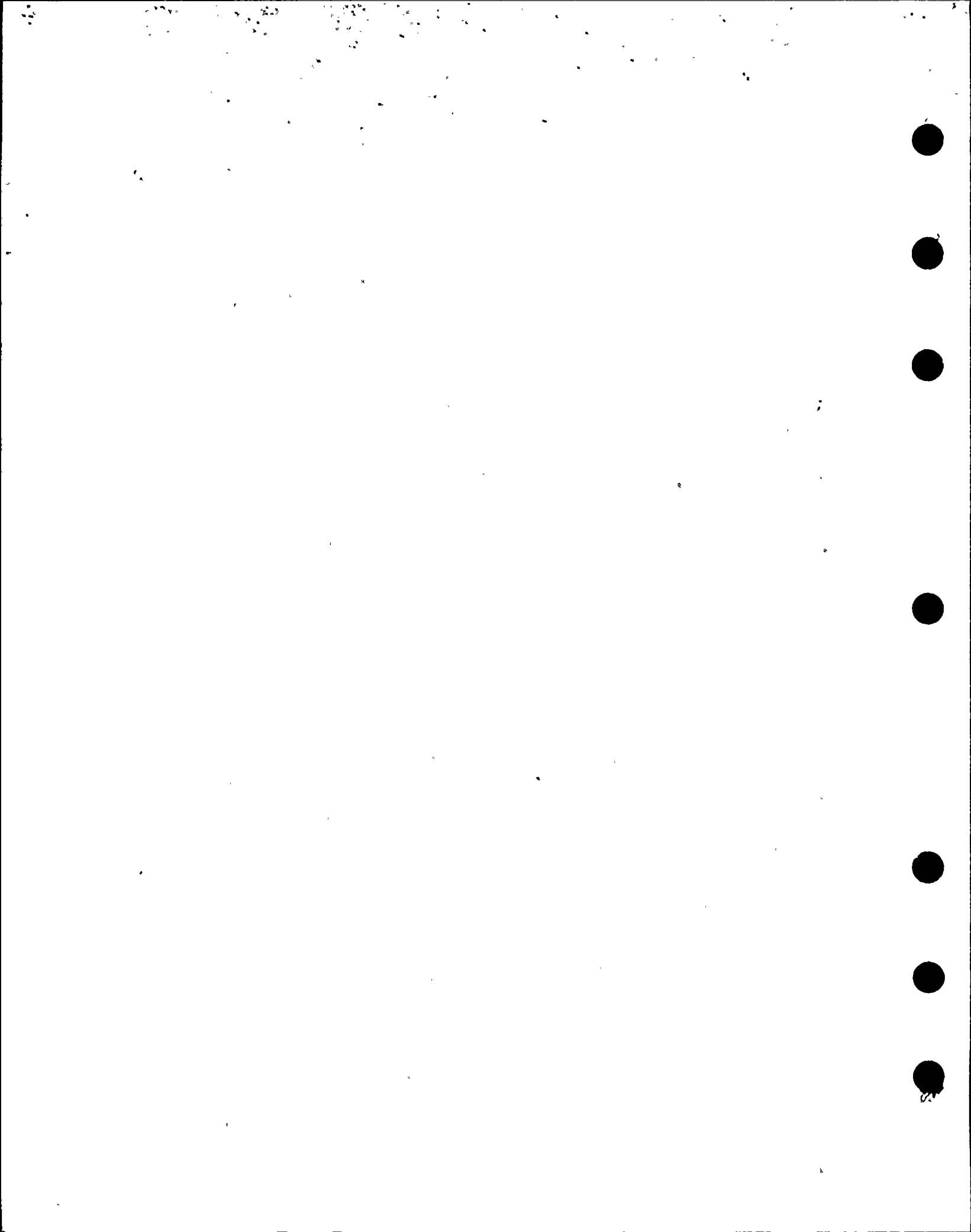


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 5.1-52

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

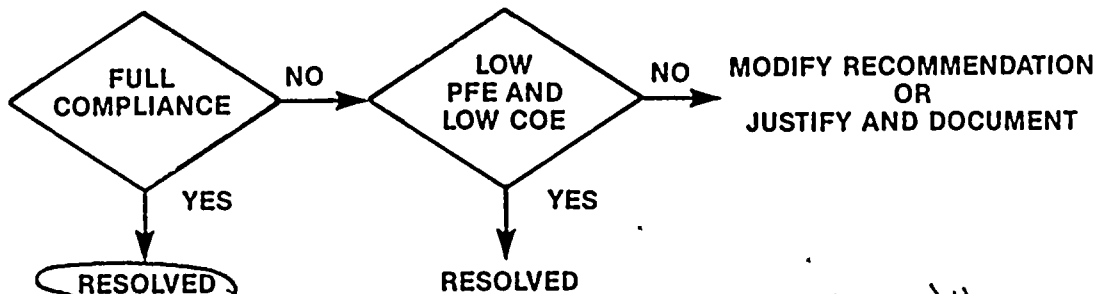
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Identified scales will be replaced; indicator lights will be cleaned and lettering repaired; and bulbs and/or light circuits will be repaired as needed.

SIGNOFF

H.F. CONSULTANT (ESSEX) Tom Voss DATE 1/3/86
AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 5.1-53

6.53.2b

ASSESSMENT RECORD

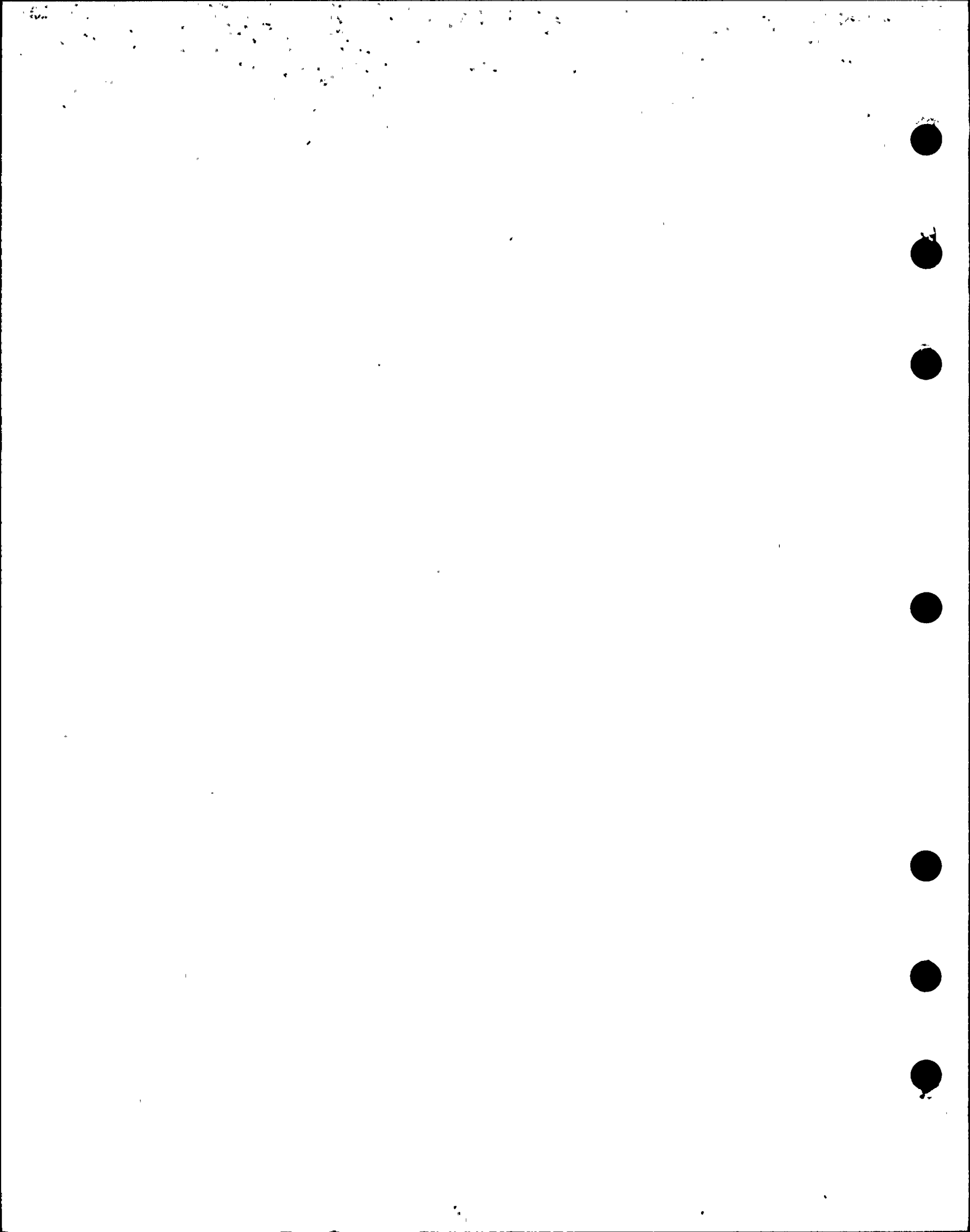
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 5.1-53

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

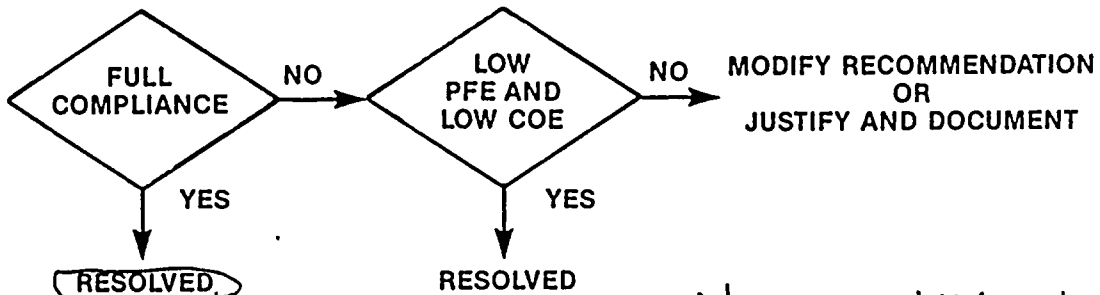
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION *Plant maintenance will investigate too dim lights for correction. Ground detector bulbs glow in proportion to amount of current. These only need to be seen when glowing brightly, should be dim normally. There is an administrative procedure by which operators walk boards to check for loose bulbs*

SIGNOFF

H.F. CONSULTANT (ESSEX) *[Signature]* DATE *1/3/86*
 AEPSC PROGRAM LEAD ENGINEER *RES* DATE *1/19/86*

CLO/HED# 5.1-54





6.5.3.1d

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV

CLO/HED# 5.1-54

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

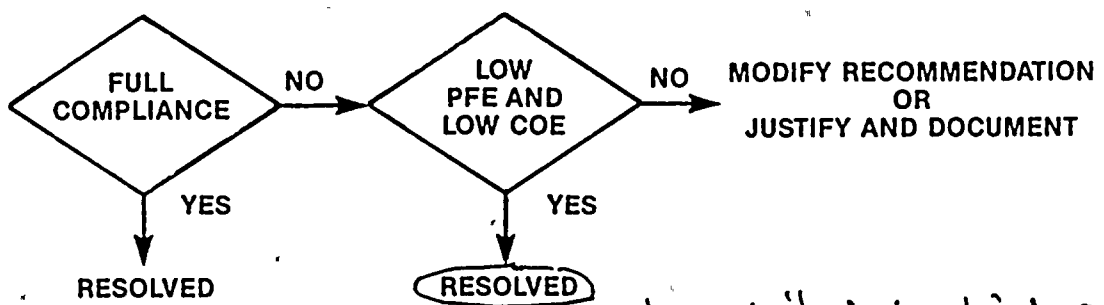
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION First item listed is a light for the Oil Heater which indicates heater is on. This is not an unfavorable status. The remainder of the status lights listed are alarmed on the annunciator system.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 1/3/86
AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/1/86



CLO/HED# 6.1-1





Criterion #: G.G.1.1.
G.G.3.5.
G.G.3.2.6 & c.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 6-1-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

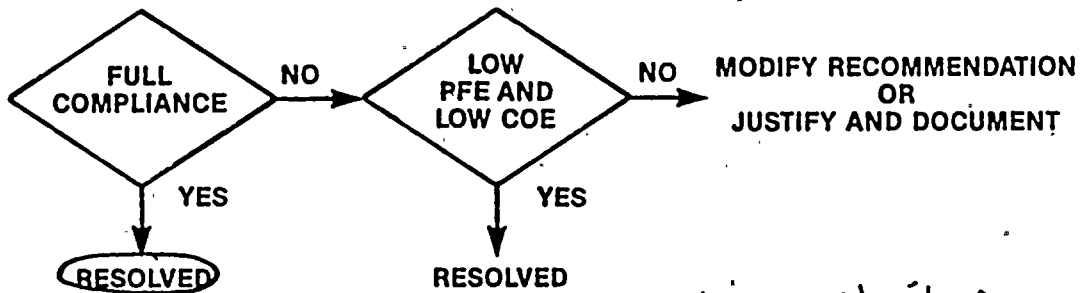
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 6.1-2

Criteria #: 6.6.2.1.c.
6.6.2.4.c.
6.6.3.5.c.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 61-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

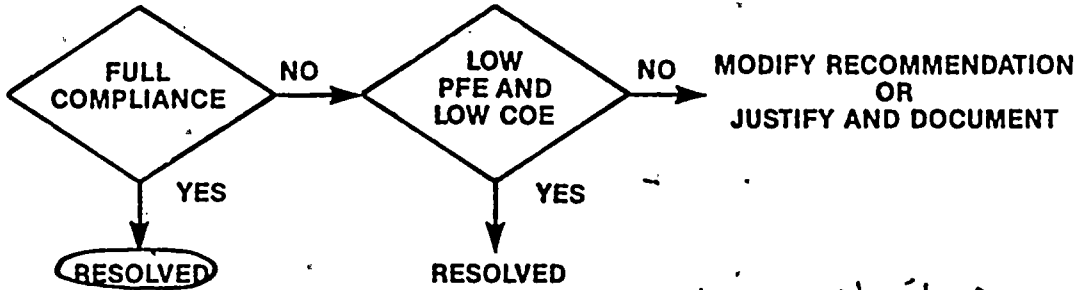
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86



CLO/HED# 6.1-3





Commission # 6.6.3.1.a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- 
Category I -- High priority; corrective action should be taken.
- 
Category II -- Medium priority; corrective action is highly recommended.
- 
Category III -- Low priority; corrective action is recommended.
- 
Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 61-3

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

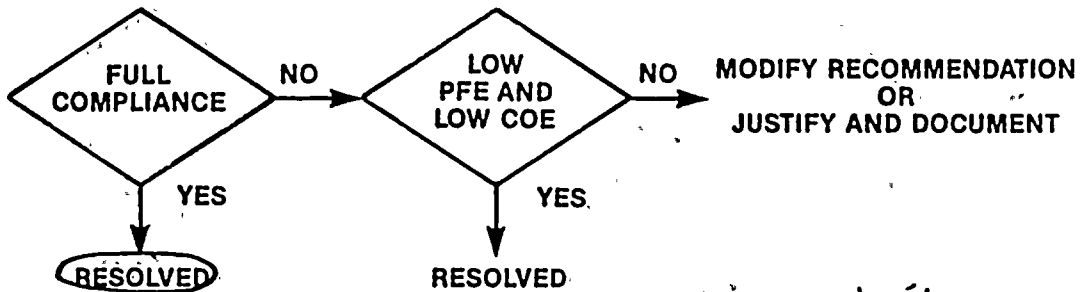
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/19/86

CLO/HED# 6.1-4





Correction #: 6.6.3.2.a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM **LOW**

CONSEQUENCE OF ERROR (COE) **HIGH** MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 6.1-4

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

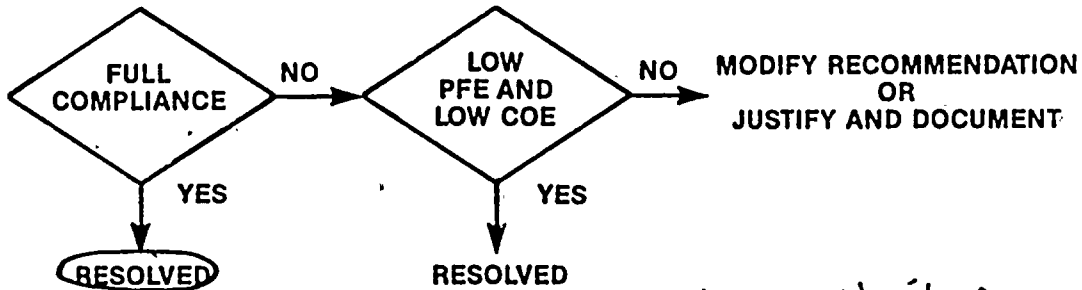
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/1986



CLO/HED# 6.1-5

Citation #: 6.5.1.6.C(1) & (2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

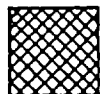
MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 6.1-5

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

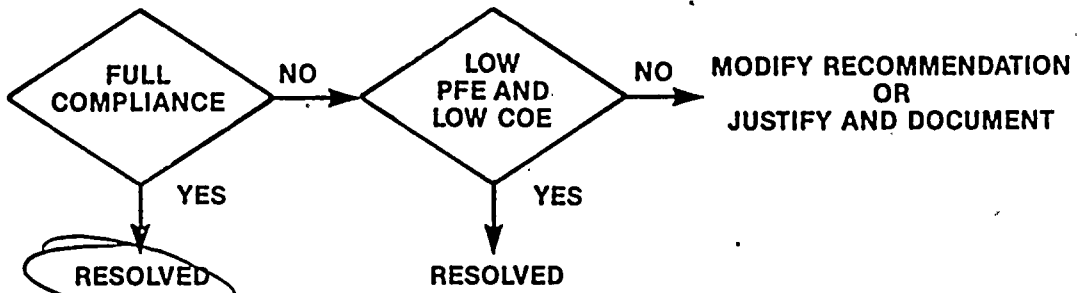
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Unconventional color coding used on indicators. A study will be performed of color coding used throughout both control rooms to match colors with appropriate uscoe/mean. To be included as part of labeling, demarcation, mimic study.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86

CLO/HED# 6.1-6

circulation #: 6.6.3.2.d.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
 CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 6.1-6

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING **DATE**

FURTHER REVIEW BY _____

FURTHER REVIEW BY _____

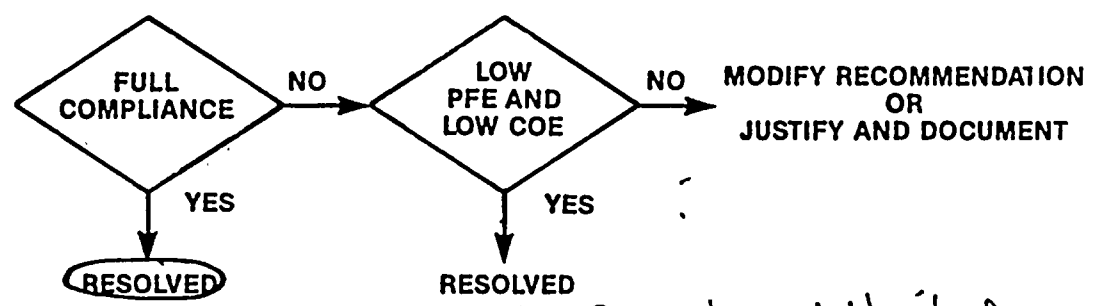
FURTHER REVIEW BY _____

DISPOSITION

APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/1986

CLO/HED# 6.1-7

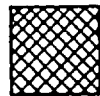
revision # 6.6.3.1.a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH **MEDIUM** LOW

CONSEQUENCE OF ERROR (COE) HIGH **MEDIUM** LOW

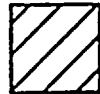
		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

CLO/HED# 6.1-7

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

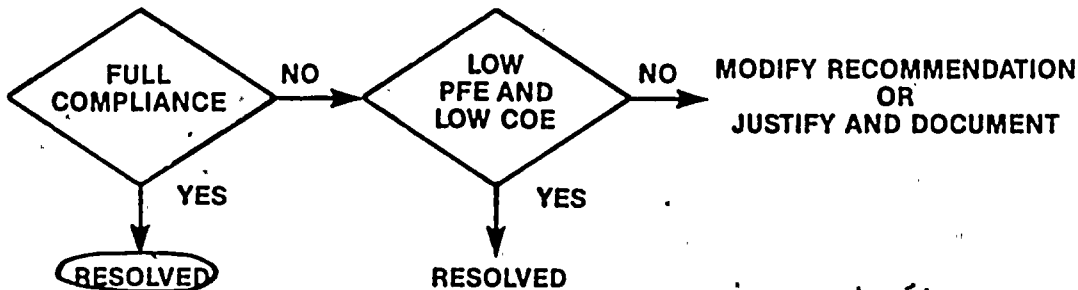
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPS C has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPS C PROGRAM LEAD ENGINEER RFS DATE 1/1986

CLO/HED# 6.1-8

Revision #: 6.6.1.1.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-8

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

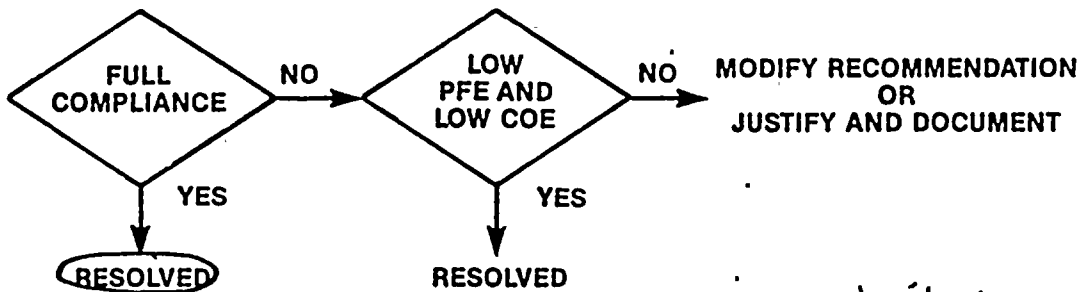
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/19/86

CLO/HED# 6.1-9

classroom #. 6.6.1.1.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 6.1-9

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

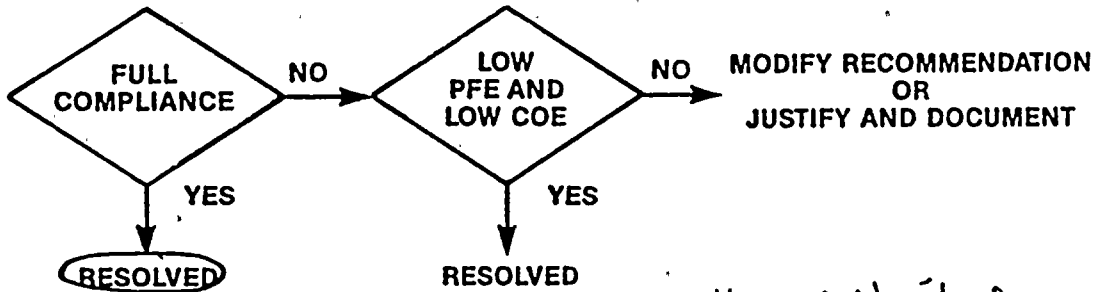
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSIC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
AEPSIC PROGRAM LEAD ENGINEER RFS DATE 11/1986

CLO/HED# 6.1.10

Discussion # 6.6.1.1.

6.6.3.3.b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

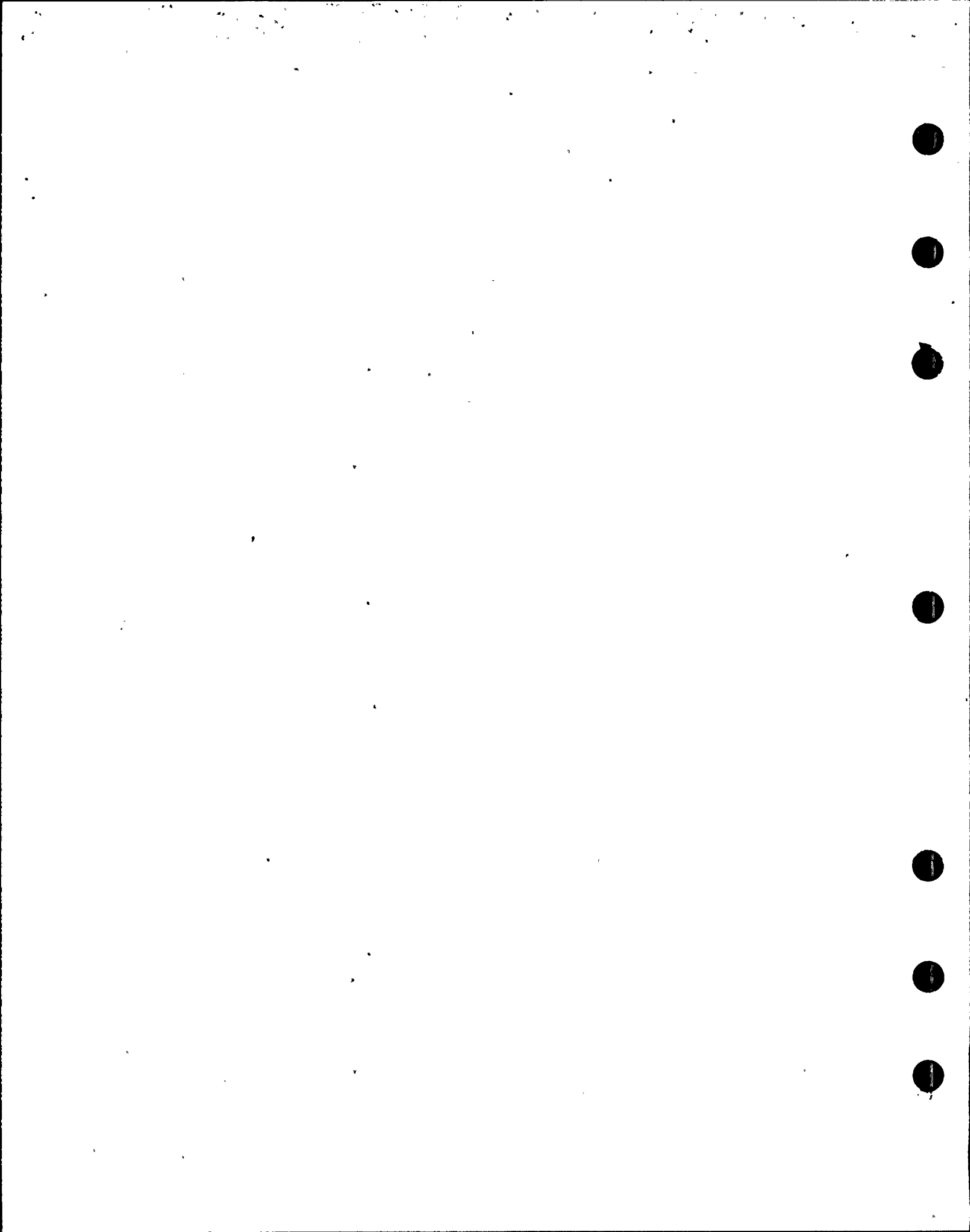


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-10

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

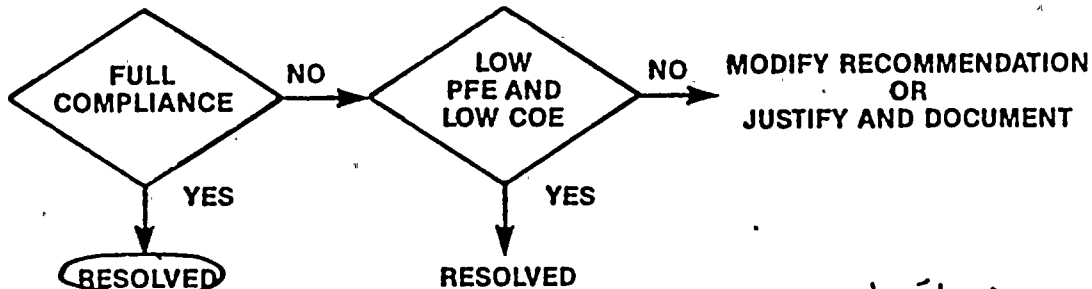
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and connections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RES DATE 11/18/86



CLO/HED# 6.1.11

criticism #: (6.6.1.2.a.4)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

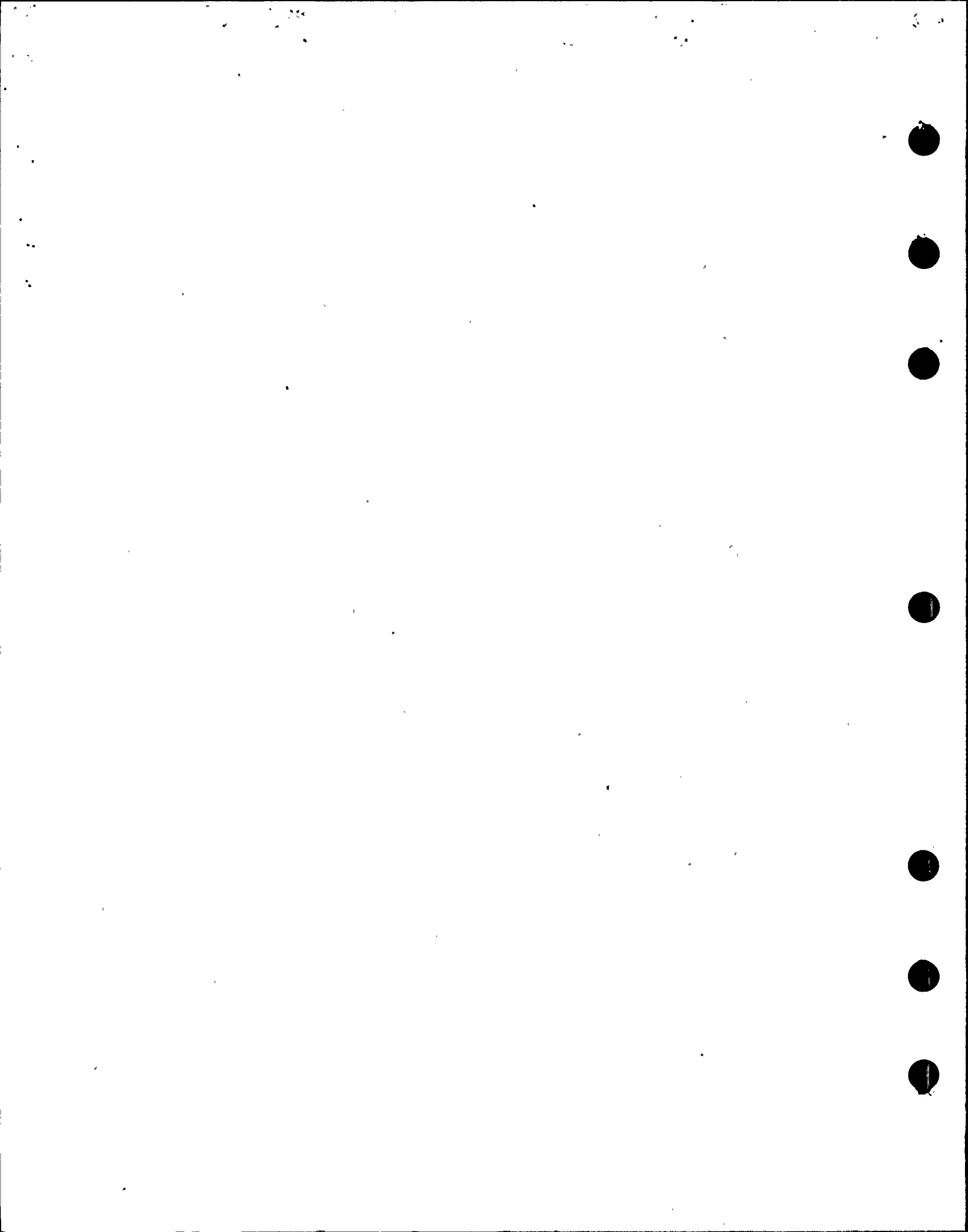


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# (6.1-1)

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW

```

graph LR
    A{FULL COMPLIANCE} -- YES --> B((RESOLVED))
    A -- NO --> C{LOW PFE AND LOW COE}
    C -- YES --> D[RESOLVED]
    C -- NO --> E[MODIFY RECOMMENDATION OR JUSTIFY AND DOCUMENT]
  
```

EXPLANATION OR JUSTIFICATION Major systems/work stations will be labeled as part of CR relabeling, demarcation and mimic study.

SIGNOFF

H.F. CONSULTANT (ESSEX)	<u>[Signature]</u>	DATE	<u>4/29/85</u>
AEPSC PROGRAM LEAD ENGINEER	<u>[Signature]</u>	DATE	<u>1/18/86</u>

CLO/HED# 6.1-12

Revision #: 6.6.1.2.0.2.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM **LOW**

CONSEQUENCE OF ERROR (COE) **HIGH** MEDIUM LOW

Consequence Of Error

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-12

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

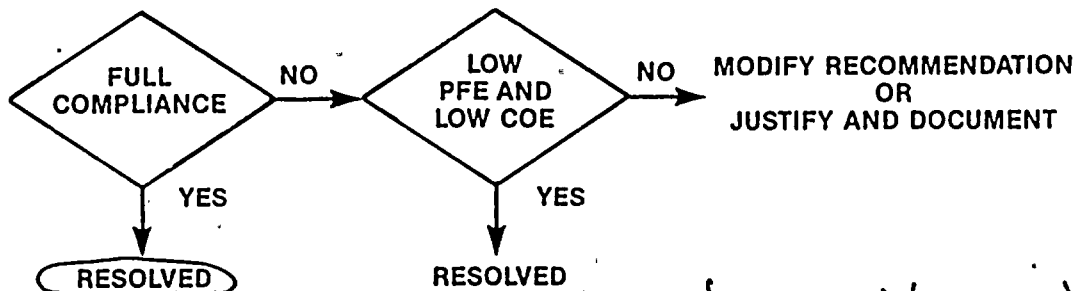
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Subsystems and/or functional groups will be labeled, as appropriate, as part of overall CR relabeling, demarcation, and minic study.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

DATE 4/29/85

AEPSC PROGRAM LEAD ENGINEER RAS

DATE 1/18/86

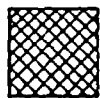
CLO/HED# 6.1.13

Commission #: 6.6.1.2.b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
 CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



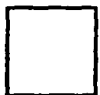
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 6.1-13

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

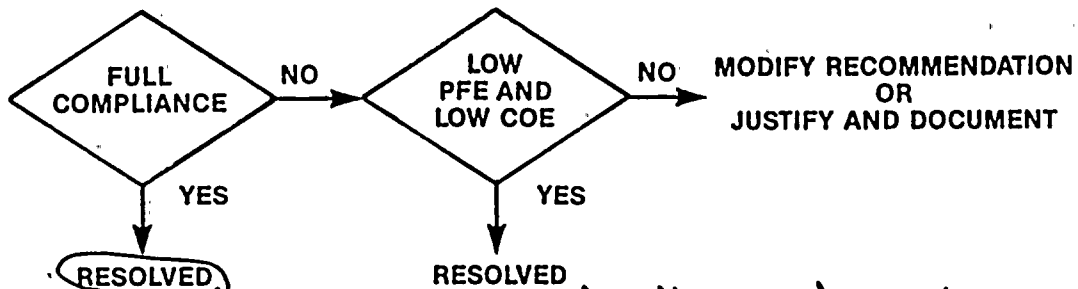
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Label letters and numbers will be resized according to guideline recommendations (part of CR relabeling effort). Include in labeling, demarcation, and mimic study.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 4/29/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/18/86

CLO/HED# 6.1-14

Revision #: 6.6.2.1.a, b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

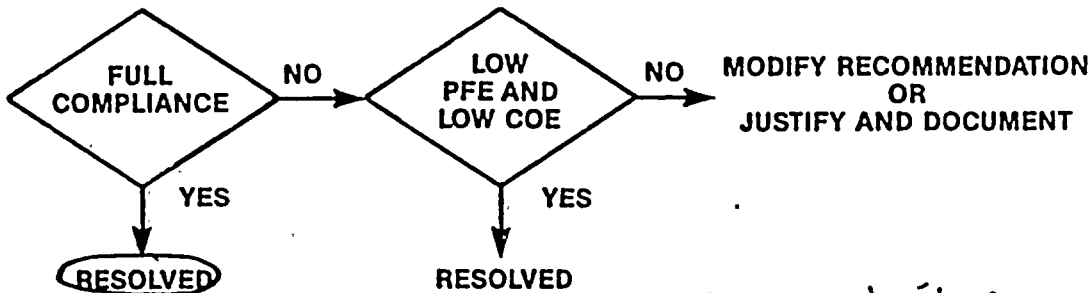
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study, labels will be placed

above panel elements if sps or permits and unless, labels would be more difficult to see because of height of components.

H.F. CONSULTANT (ESSEX)

T. Voss

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 11/18/86



CLO/HED# 6.1-15

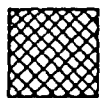
Revision #: 6.6.2.1.f.

ASSESSMENT RECORD

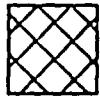
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.

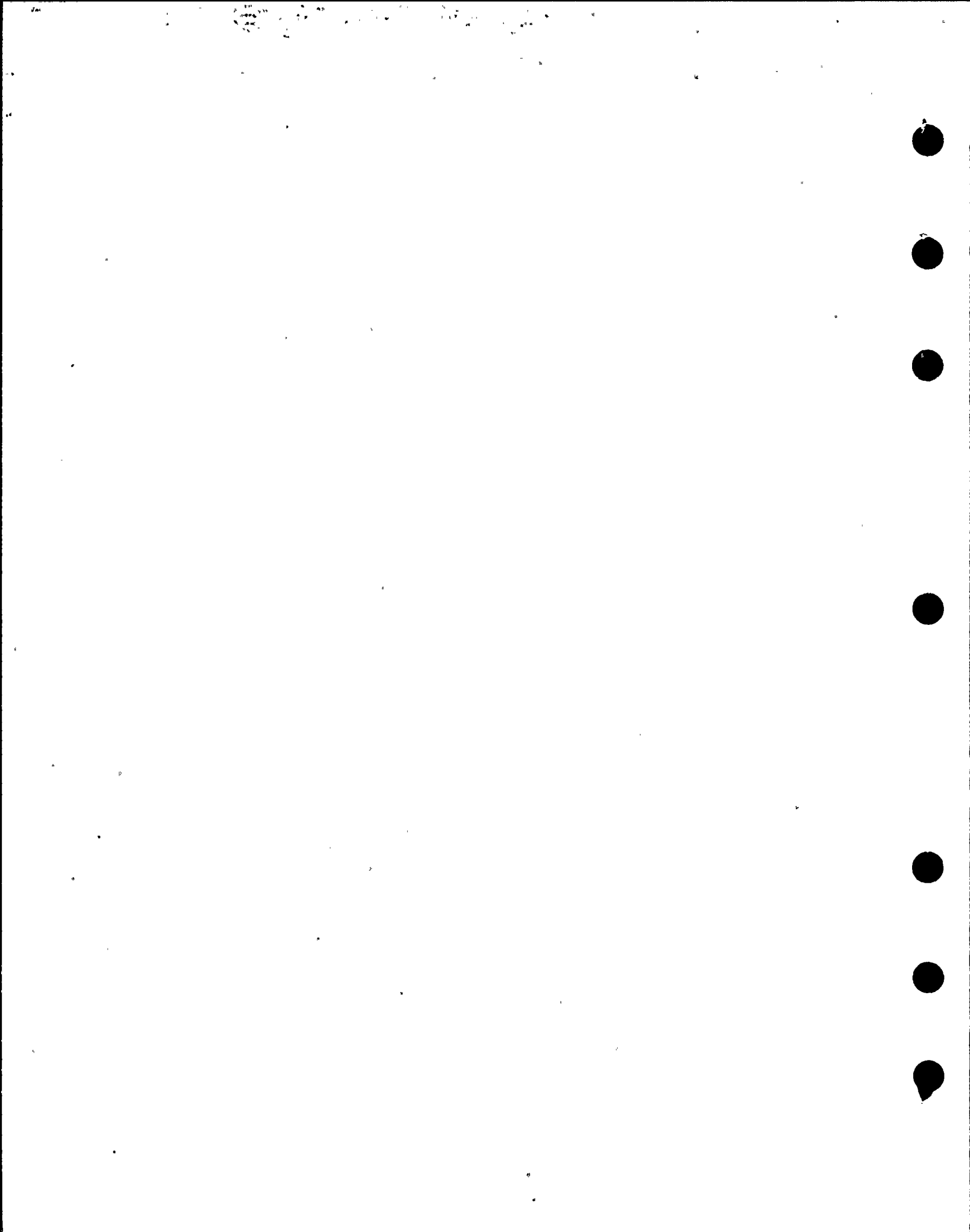


Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

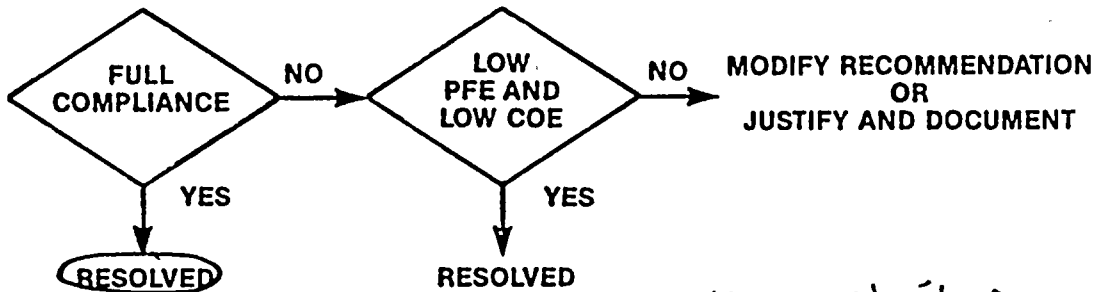
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
AEPSC PROGRAM LEAD ENGINEER R.F.S. DATE 1/18/86

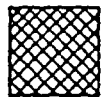
CLO/HED# 6.1-16

Revision #: 6.6.2.2. a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 6.1-16

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

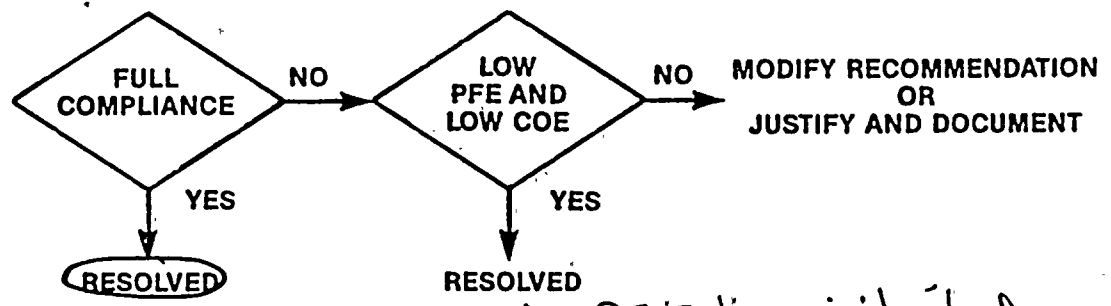
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSIC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSIC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-17





Revision #: 6.6.2.3.b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 6.1-17

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

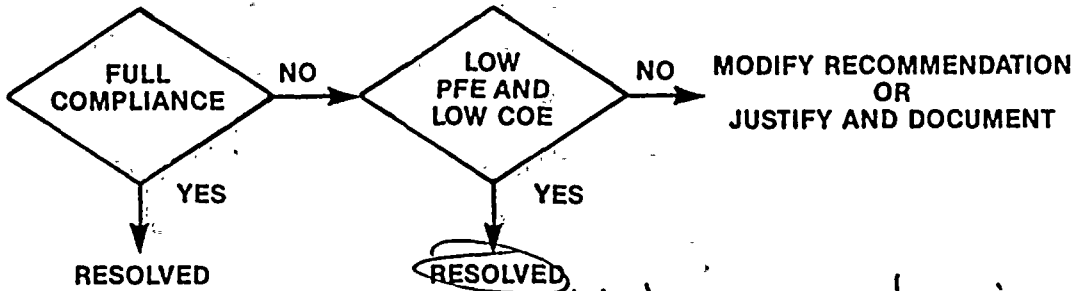
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

All labeling in question is easily read and most of this nature would be very difficult to change without ordering new components or component scale faces and escutcheons. All were carefully reviewed to ensure they could be read easily.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

[Signature]
RFS

DATE 11/8/85

DATE 1/1/86



CLO/HED# 6.1-18

Citation# 6.6.2.4.b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

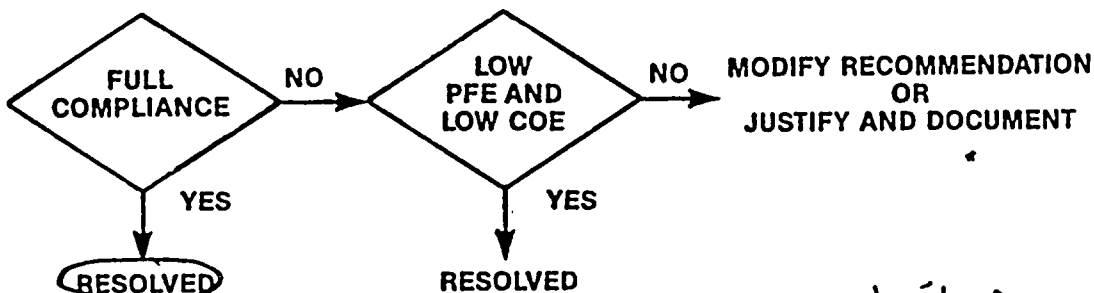
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/18/86

CLO/HED# G.1-19

Collection #: G.G.2.4.b.
G.G.2.1.e.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

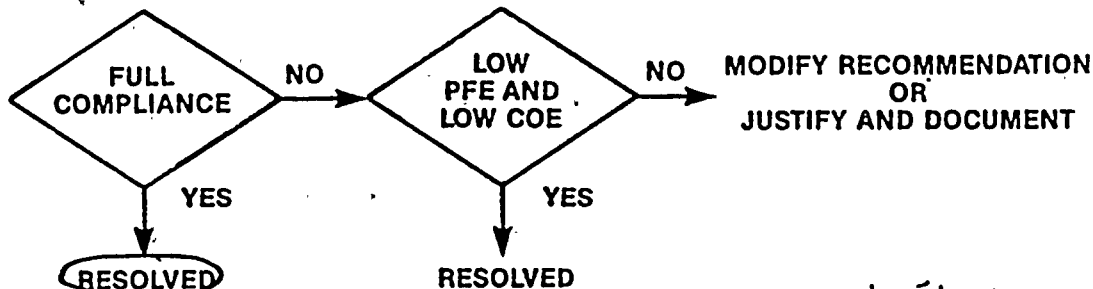
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and correctives to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/18/86



CLO/HED# 6.1-20

Division #: 6.63.2.c.

6.4.3.3 b.4

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

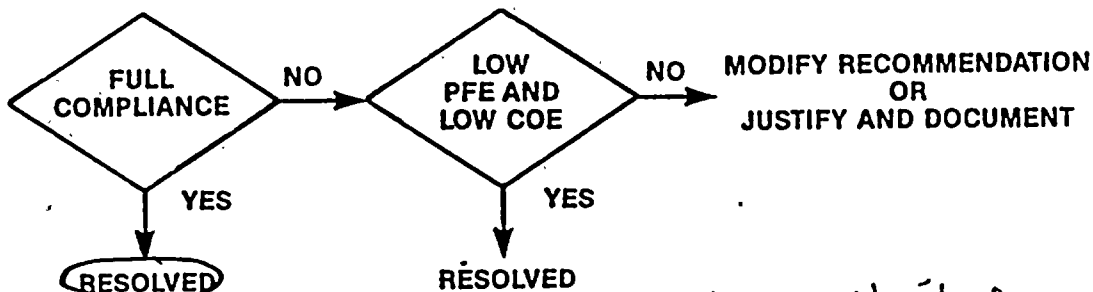
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPS C has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPS C PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-21

Criterion #: 6.6.3.3.b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 6.1-21.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

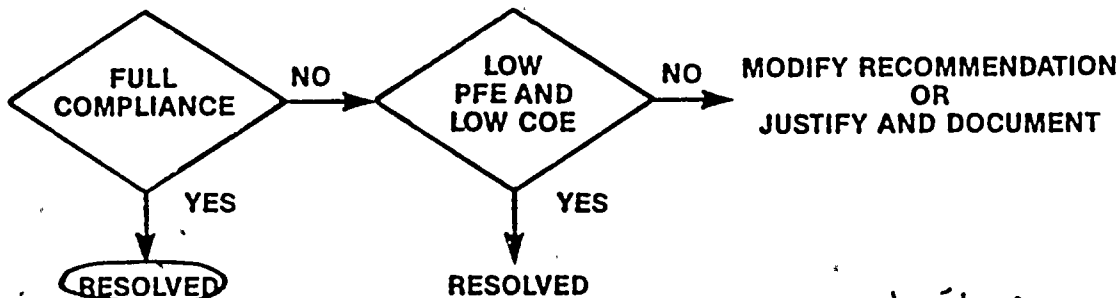
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLOIHED# 6.1-22

Revision #: 6.6.3.4.d.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

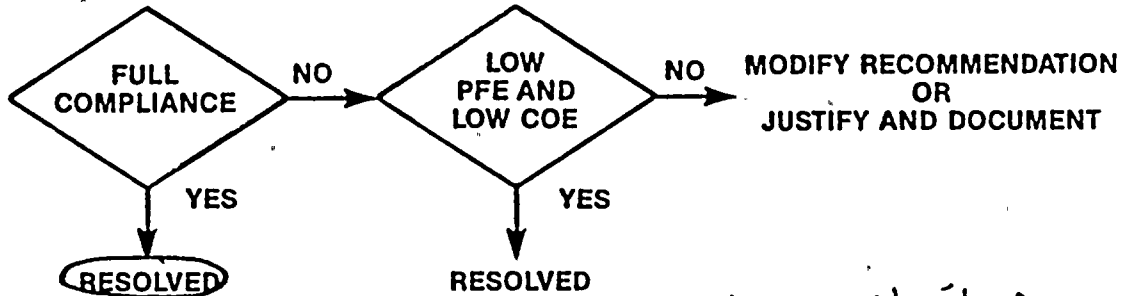
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-23

Citation # 6.6.3.8.a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

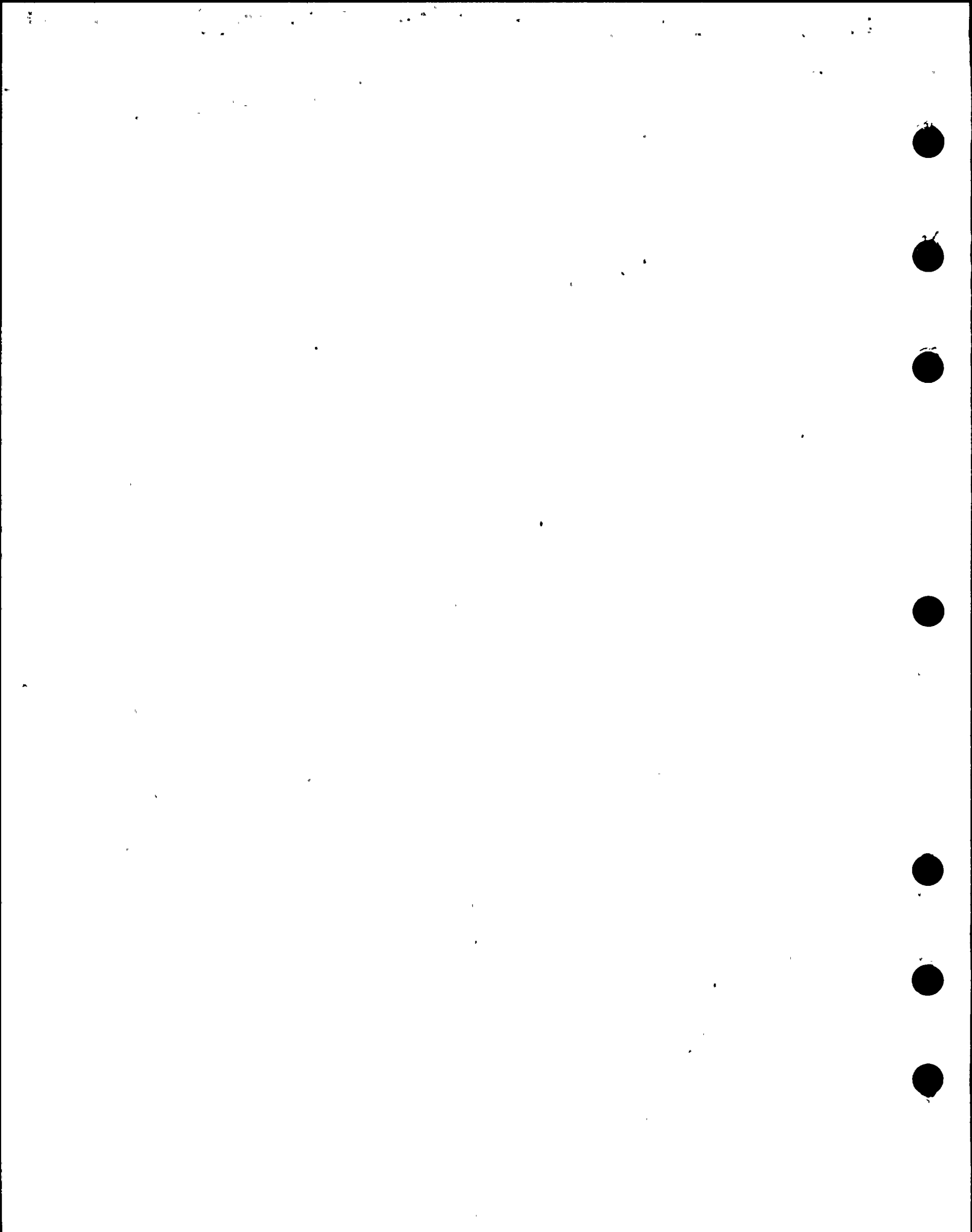


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

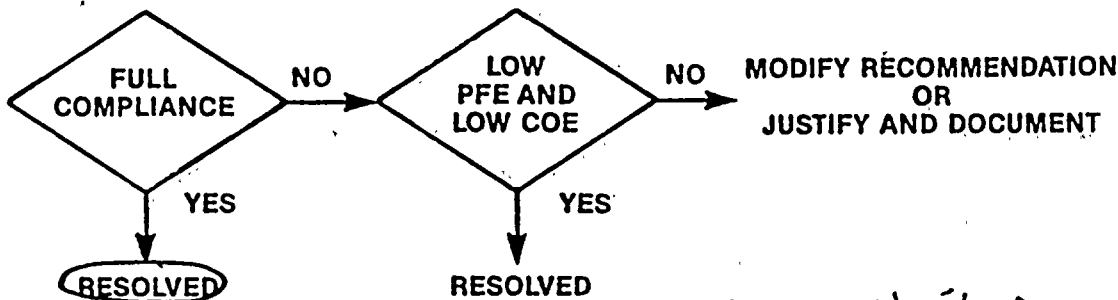
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Voss

DATE *11/18/85*

AEPSC PROGRAM LEAD ENGINEER

RAS

DATE *1/18/86*

CLO/HED# G-1-24

Excision #:

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

Consequence Of Error

High Medium Low

Potential For Error
High
Medium
Low

High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

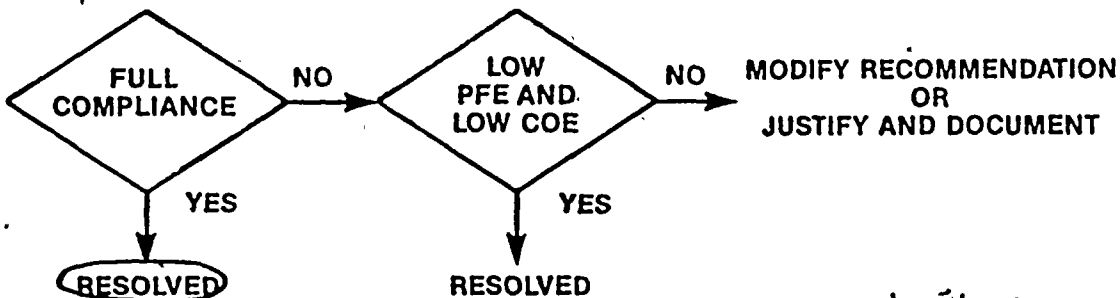
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSA has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. [Signature]

DATE 11/18/85

AEPSA PROGRAM LEAD ENGINEER

RFS [Signature]

DATE 11/18/86



CLO/HED# 6.1-25

collision #:

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

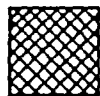
LOW

Consequence Of Error

High Medium Low

Potential For Error
High
Medium
Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 61-25

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

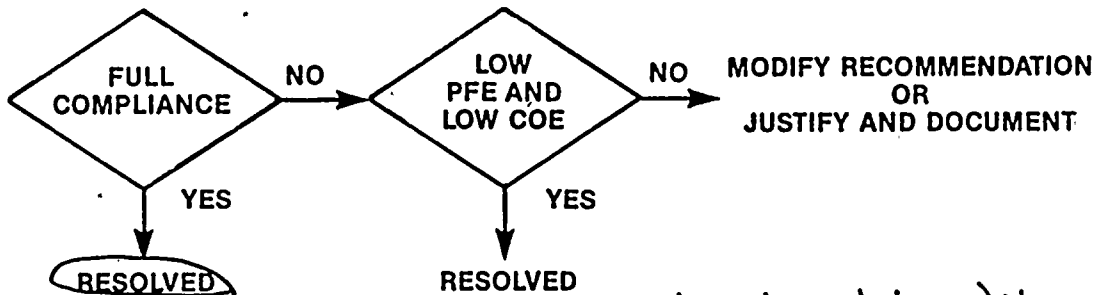
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Character heights will be the same for all labels within the same hierarchical level, space permitting. Included as part of labeling demarcation, and mimic study.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 4/29/85
 AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/1/86



CLO/HED# 6.1-26

Classification # 6.6.4.1.b.(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

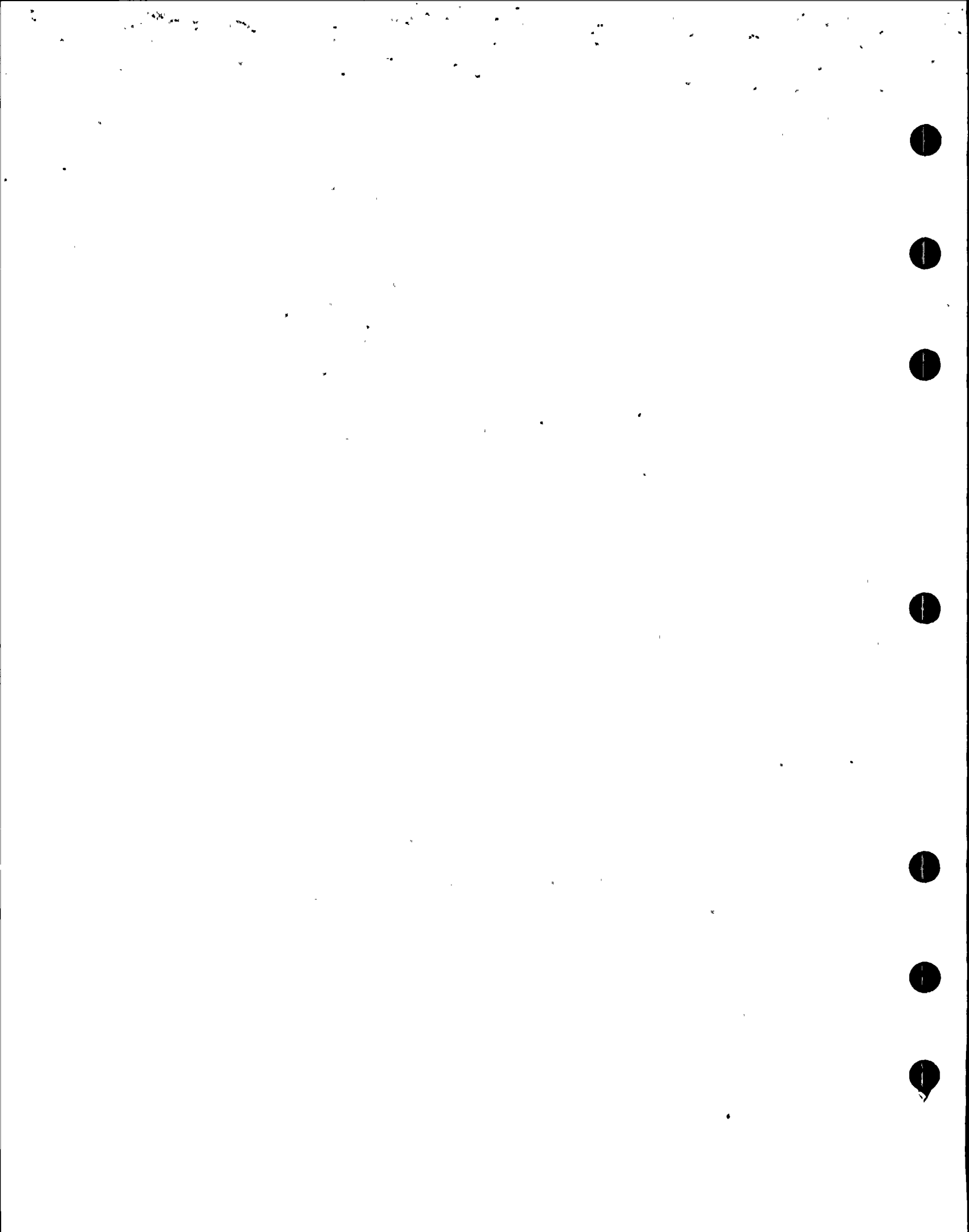


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLOTHED# 6.1-26

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

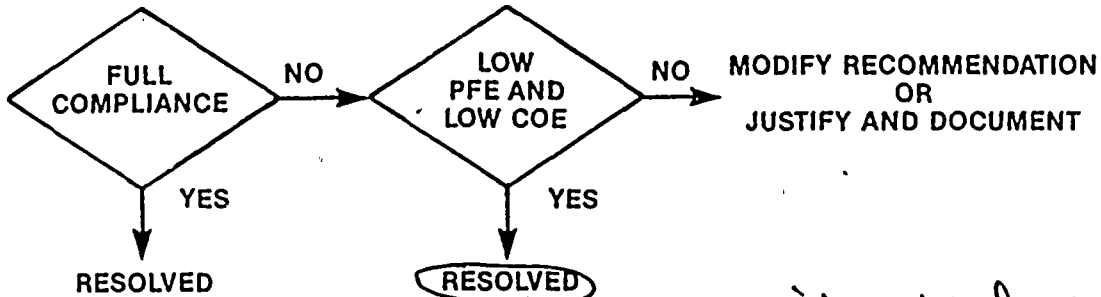
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>	YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM <u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM <u>LOW</u>



EXPLANATION OR JUSTIFICATION AE PSC will relabel the control room, but is going to continue the use of black labels with white characters as is the convention for all their plants. characters will be filled flush to prevent accumulation of dirt. The label material purchased is more readable and is not likely to fill with dirt on vertical panels.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 4/1/85

AE PSC PROGRAM LEAD ENGINEER

RFS

DATE 11/18/86

CLOIHED# 6.1-27

Citation #: 6.6.4.2.a.(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

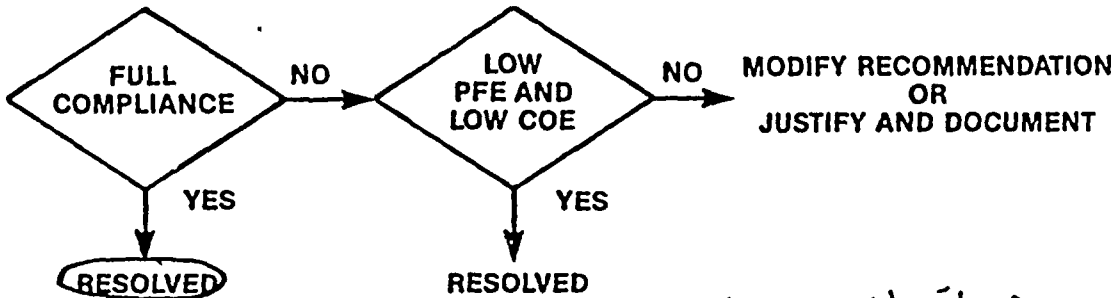
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

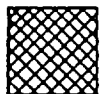
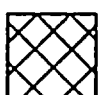
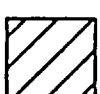
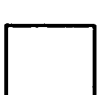
H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RES DATE 11/18/86

CLOIHED# 6.1-28

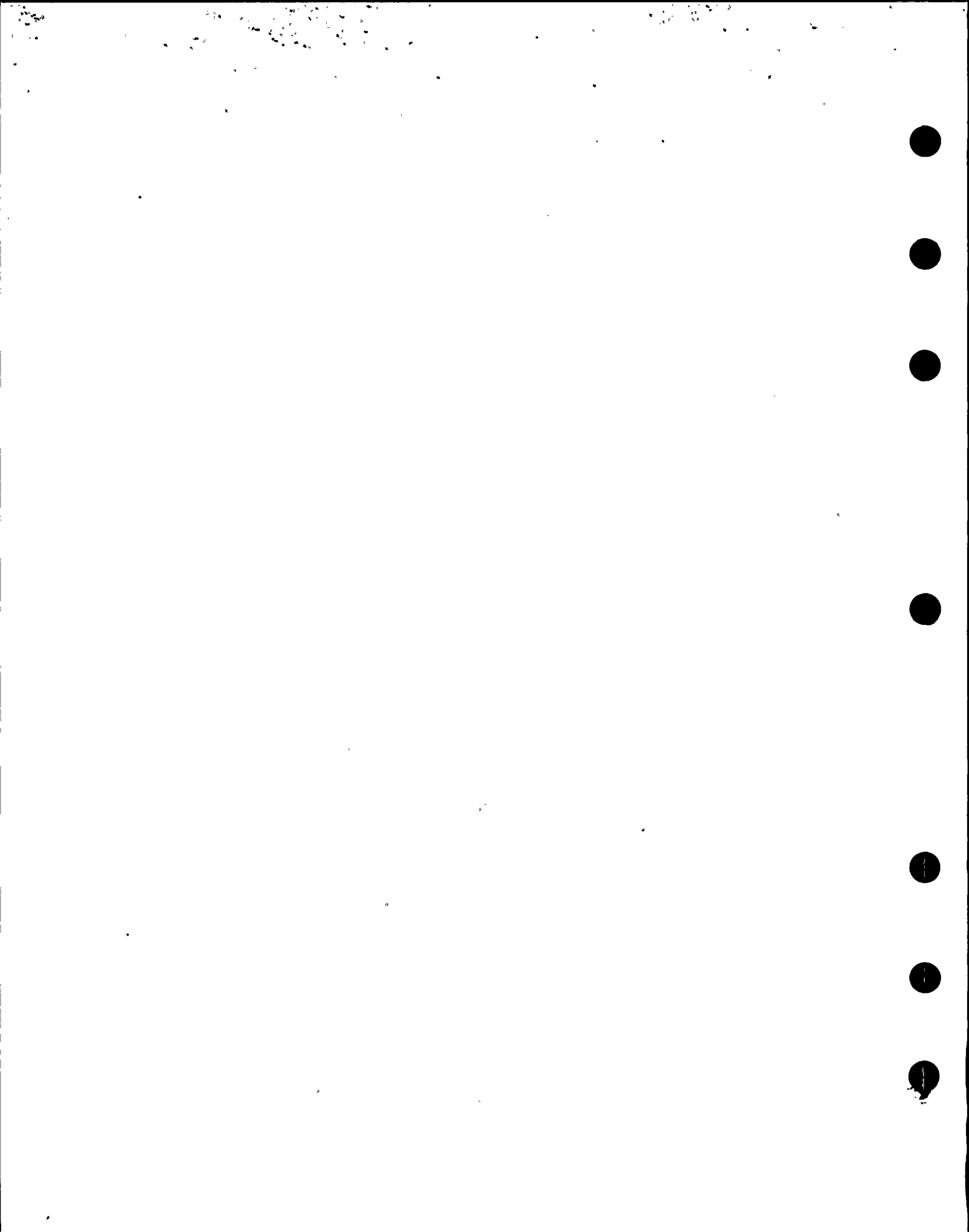
ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED# 6.1-28

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

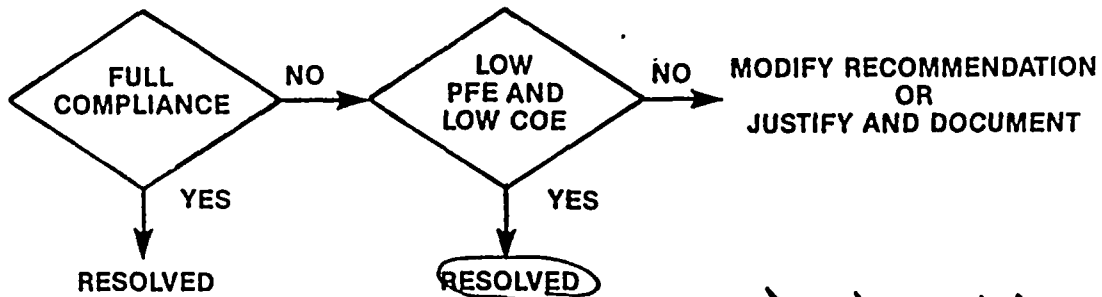
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION On RTR panel that depicted is not a true mimic, lines merely indicate interconnectedness, there is no actual flow. Also, on electric mimics flow can go in either direction, so direction of flow lines are not appropriate.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 11/15/85

AEPSC PROGRAM LEAD ENGINEER

[Signature]

DATE 11/18/86

CLO/HED# 6.1-29

cession # 6.6.5.1.a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

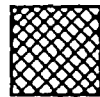
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

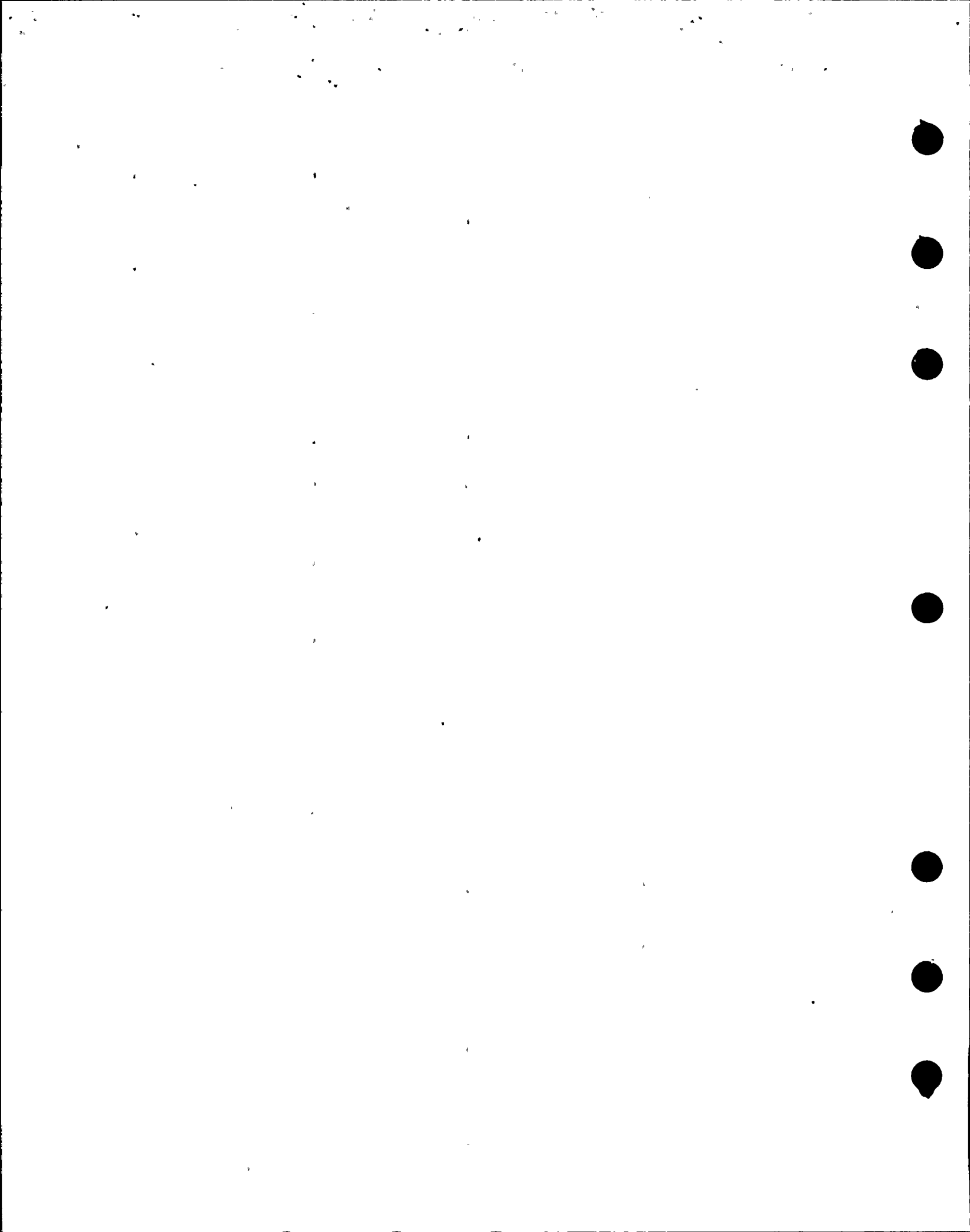


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

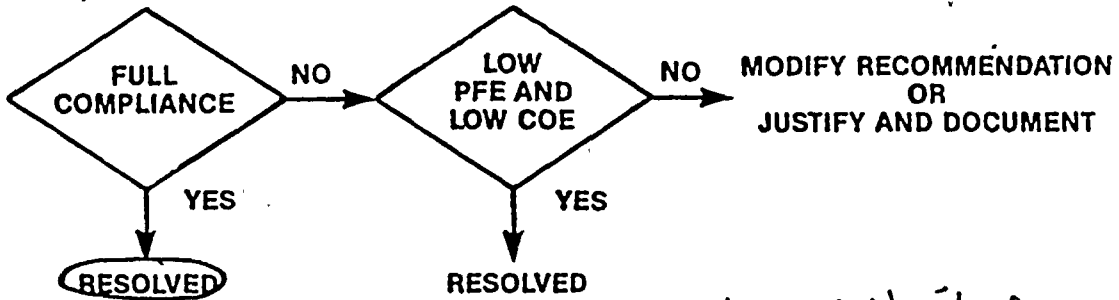
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-30

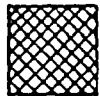
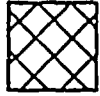
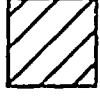

revision #: 6.6.5.1.b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM **LOW**

CONSEQUENCE OF ERROR (COE) HIGH **MEDIUM** LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 6.1-30

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

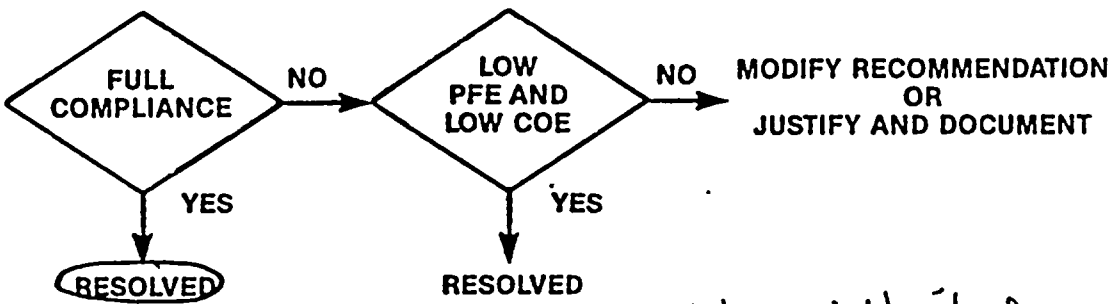
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-31

Collection #: 6.6.5.1.e.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 6.1-31

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

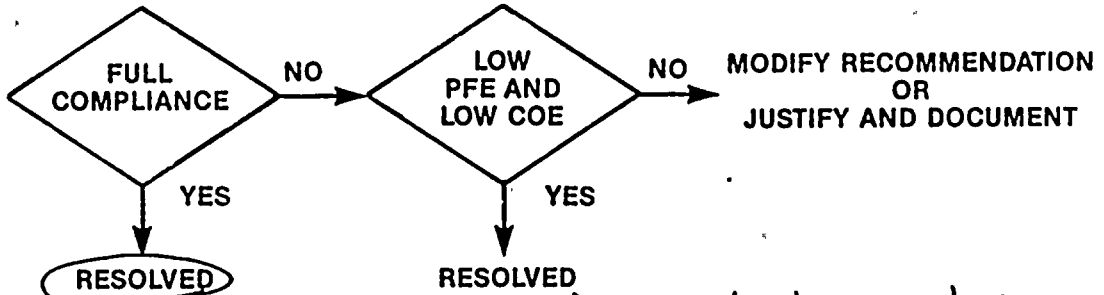
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED
 PARTIALLY APPROVED
 NO ACTION
 OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Administrative controls are now in place and will be enforced to ensure secure attachment of tags

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/26/85
AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/886



CLO/HED# 6.1-32

collection # 6.6.5.1.h.

ASSESSMENT RECORD

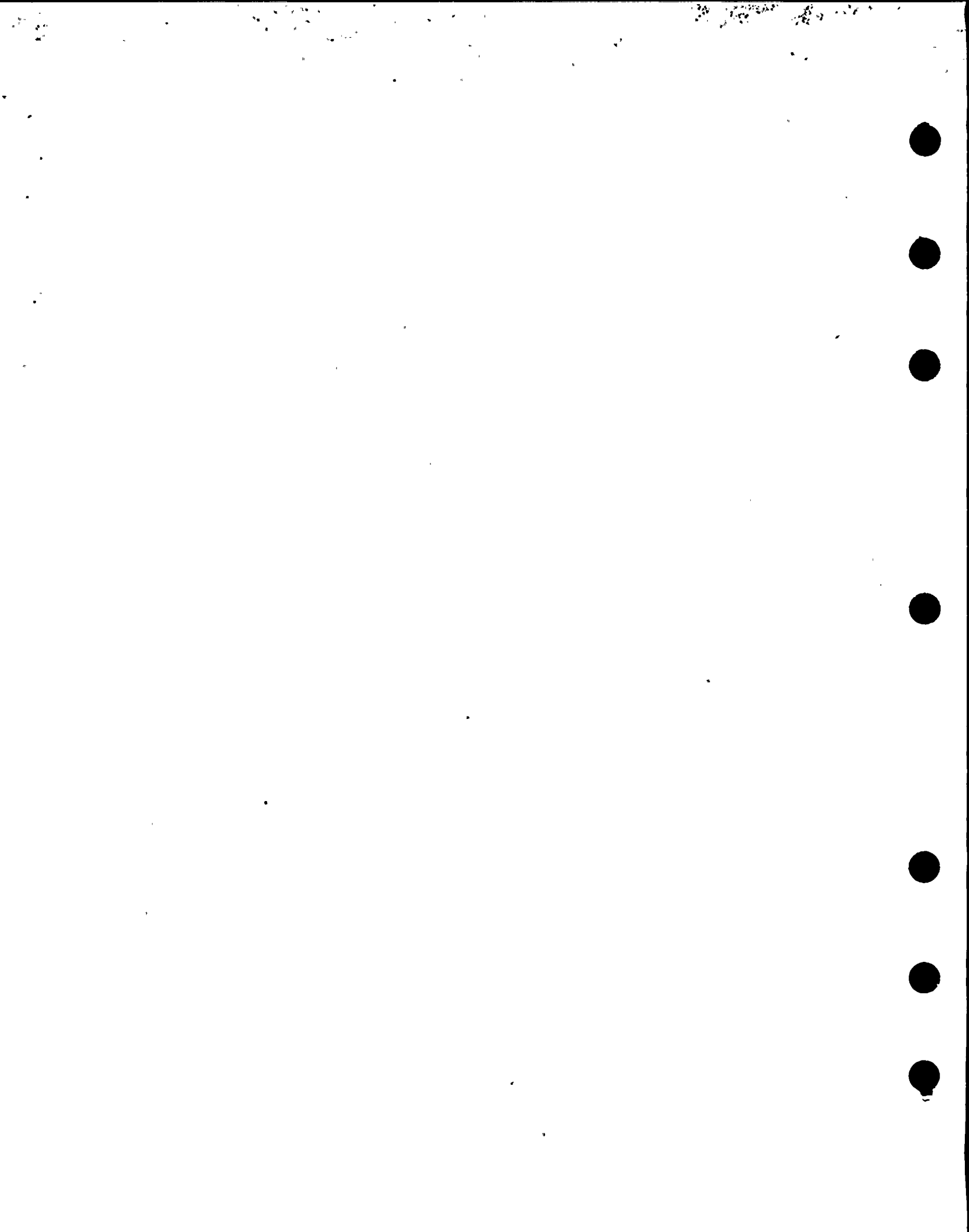
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- Category I -- High priority; corrective action should be taken.
- Category II -- Medium priority; corrective action is highly recommended.
- Category III -- Low priority; corrective action is recommended.
- Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 6.1-32

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

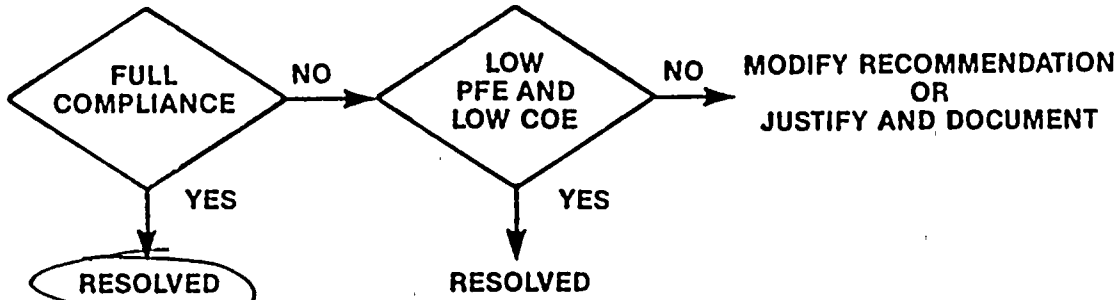
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Tag-outs sometimes obscure adjacent devices or their associated labels. Tags now made smaller with instructions on installation provided. To prevent obscuring, the method of securing tags was changed so they do not hang down as far as before.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/26/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-33

Revision F: 6.6.2.a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

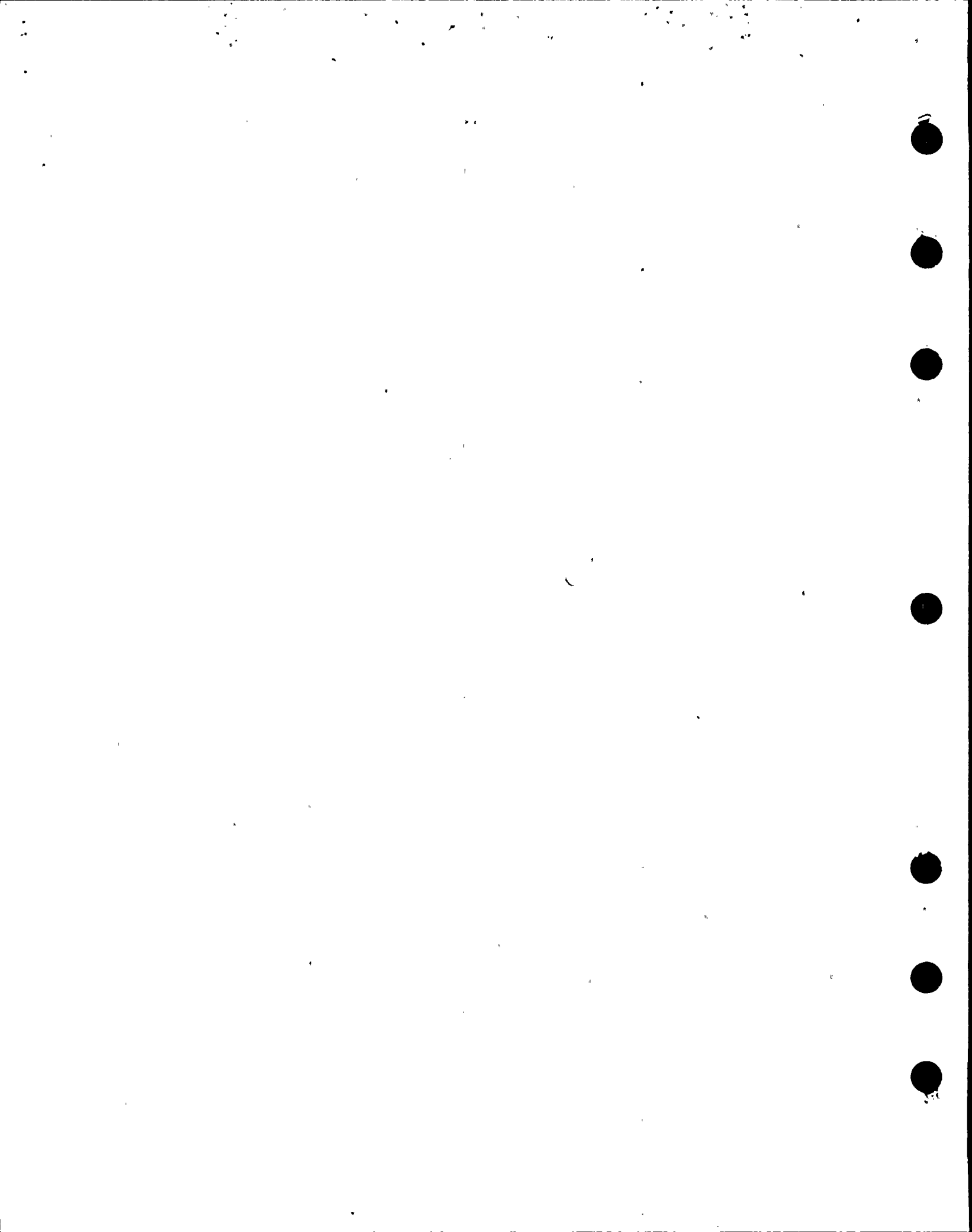


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-33

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING **DATE**

FURTHER REVIEW BY _____

FURTHER REVIEW BY _____

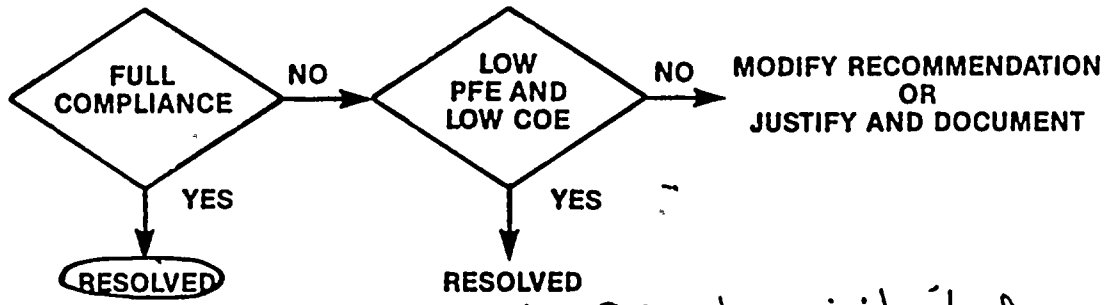
FURTHER REVIEW BY _____

DISPOSITION

APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86



CLO/HED# 6.1-34 (

Revision #: 6.6.6.4.a.(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

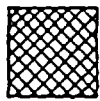
MEDIUM

LOW

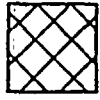
Consequence Of Error

High Medium Low

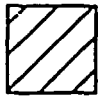
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



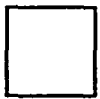
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



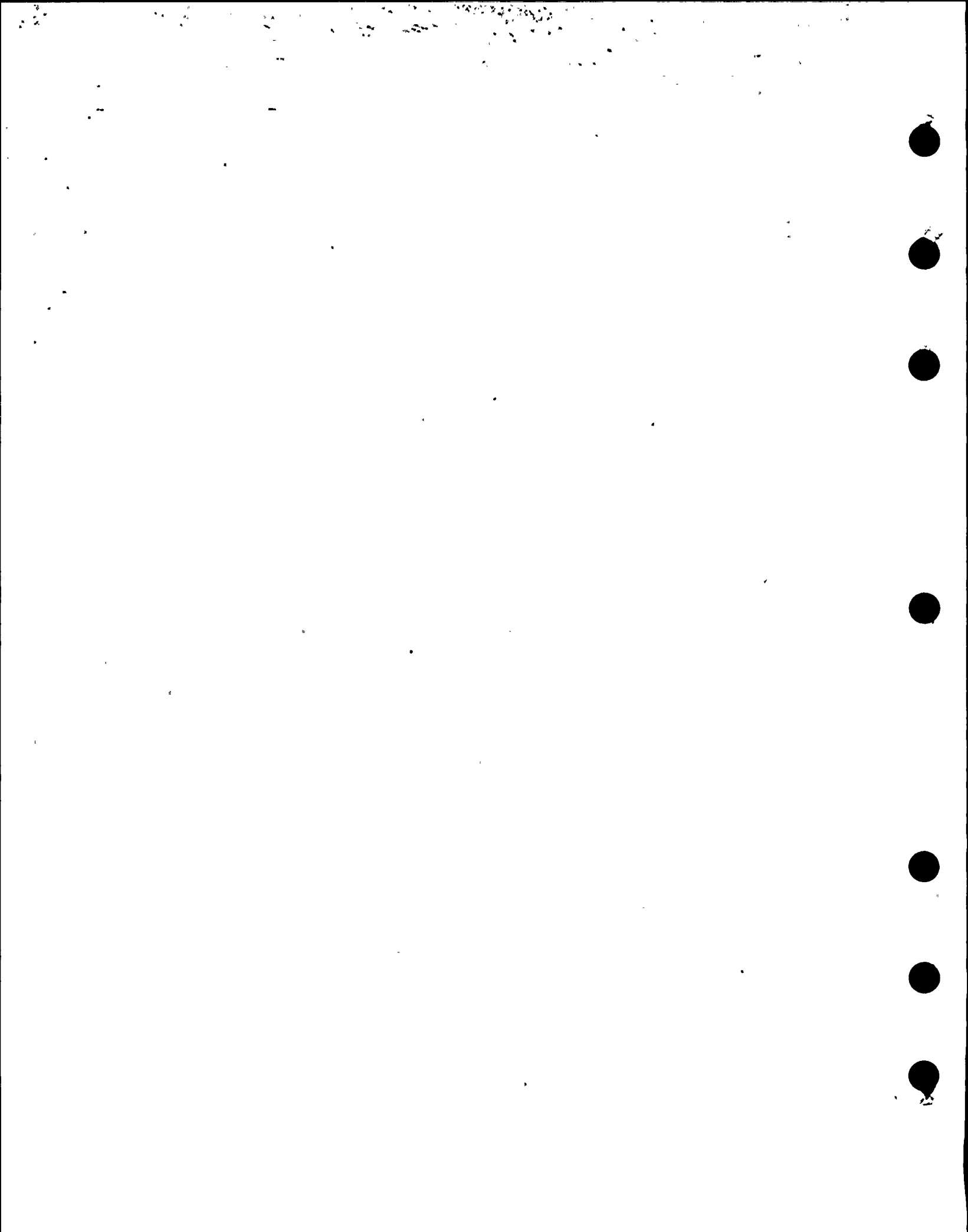
Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-34.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

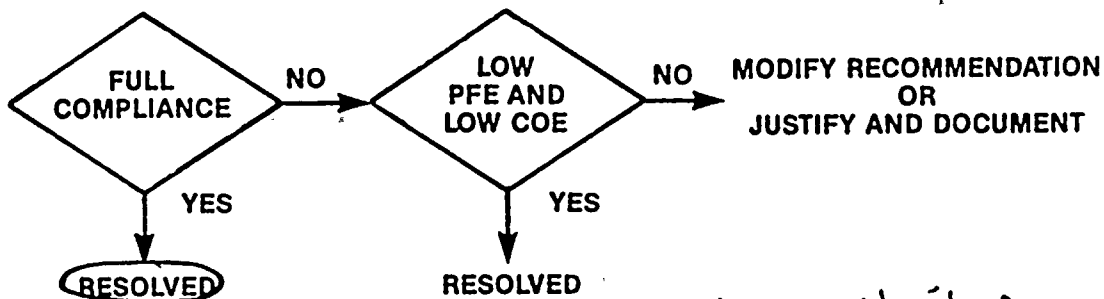
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study; electrical mimics will use one color with voltage printed on lines.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/18/86



CLO/HED# 6.1-35





Collection #: 6.6-6.4.a.(2)

ASSESSMENT RECORD

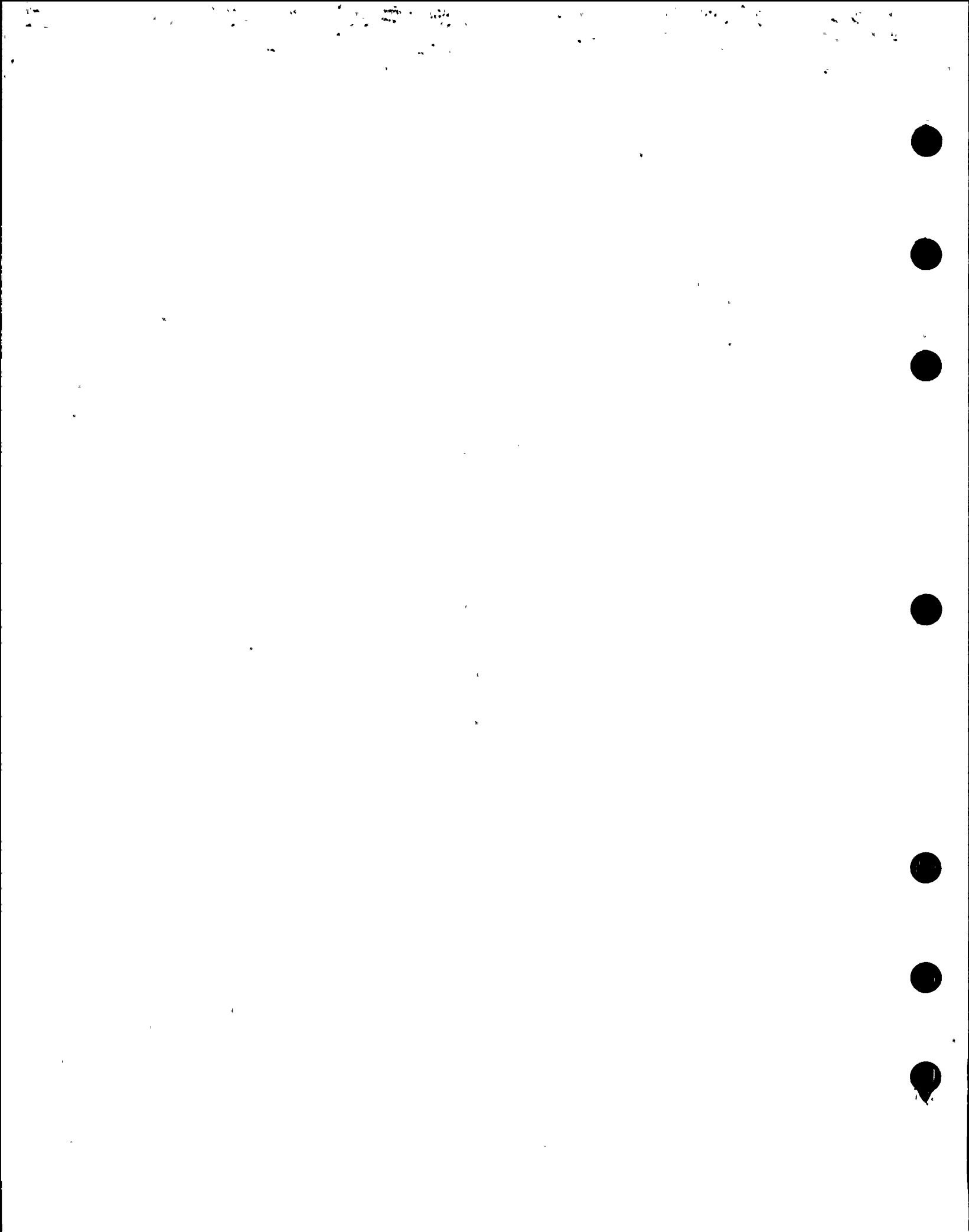
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 6.1-35

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

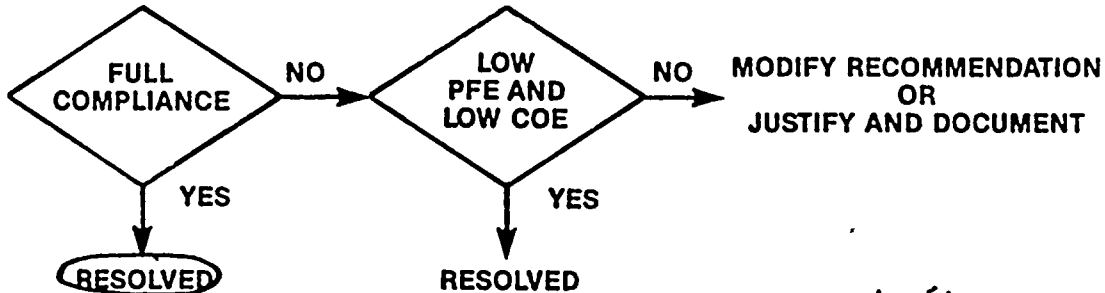
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSIC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSIC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-36

Citation #: 6.6.6.4.a.3.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-36

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

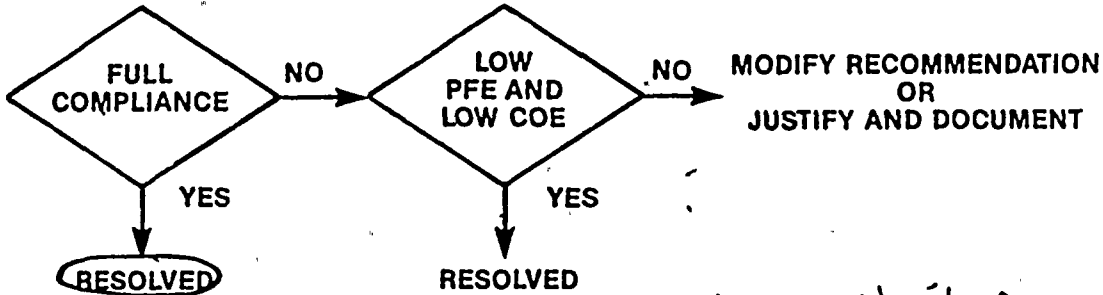
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-37

Correction #: 6.6.6.4.a.4.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

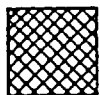
MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



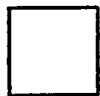
Category II --

Medium priority; corrective action is highly recommended.



Category III --

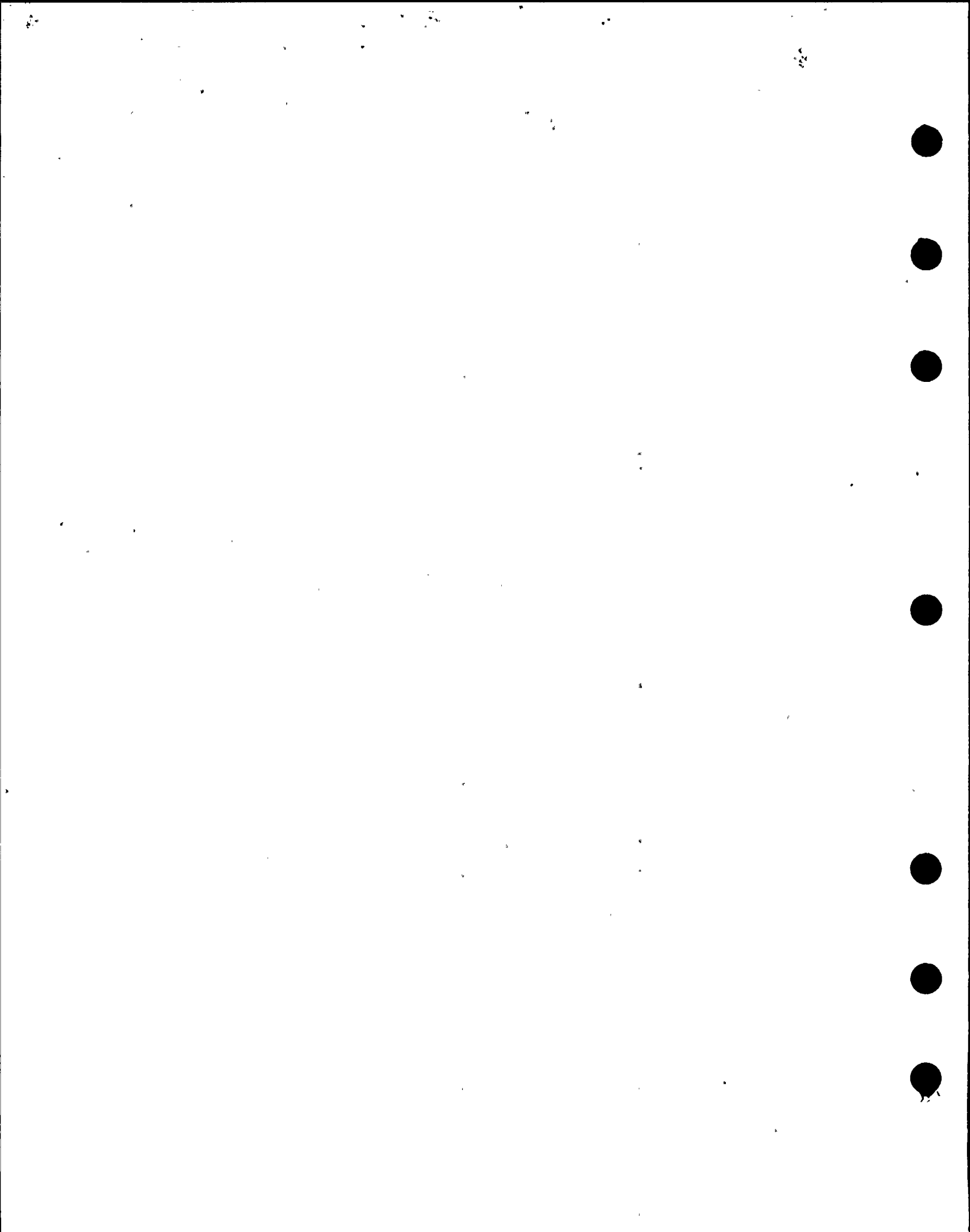
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 6.1-37

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

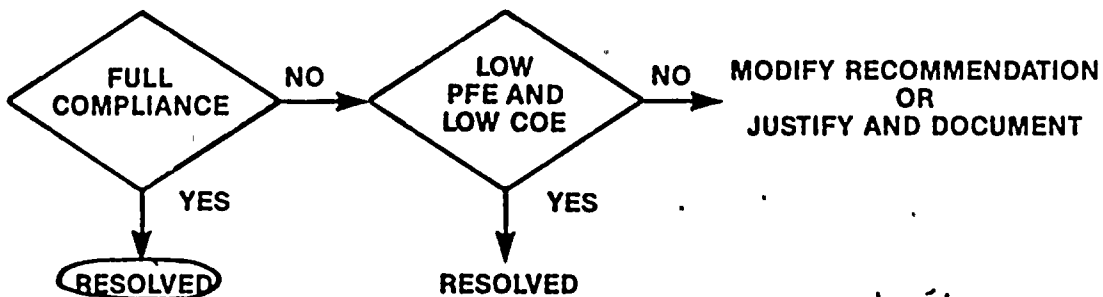
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED#.. 6.1.38

Correction #: 6.6.6.4.6.11

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 6.1-38.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

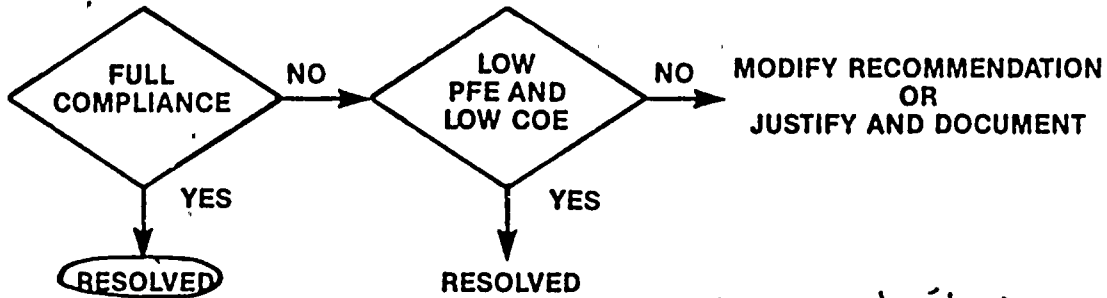
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-39

Correction #: 6.6.6.4.b.5

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

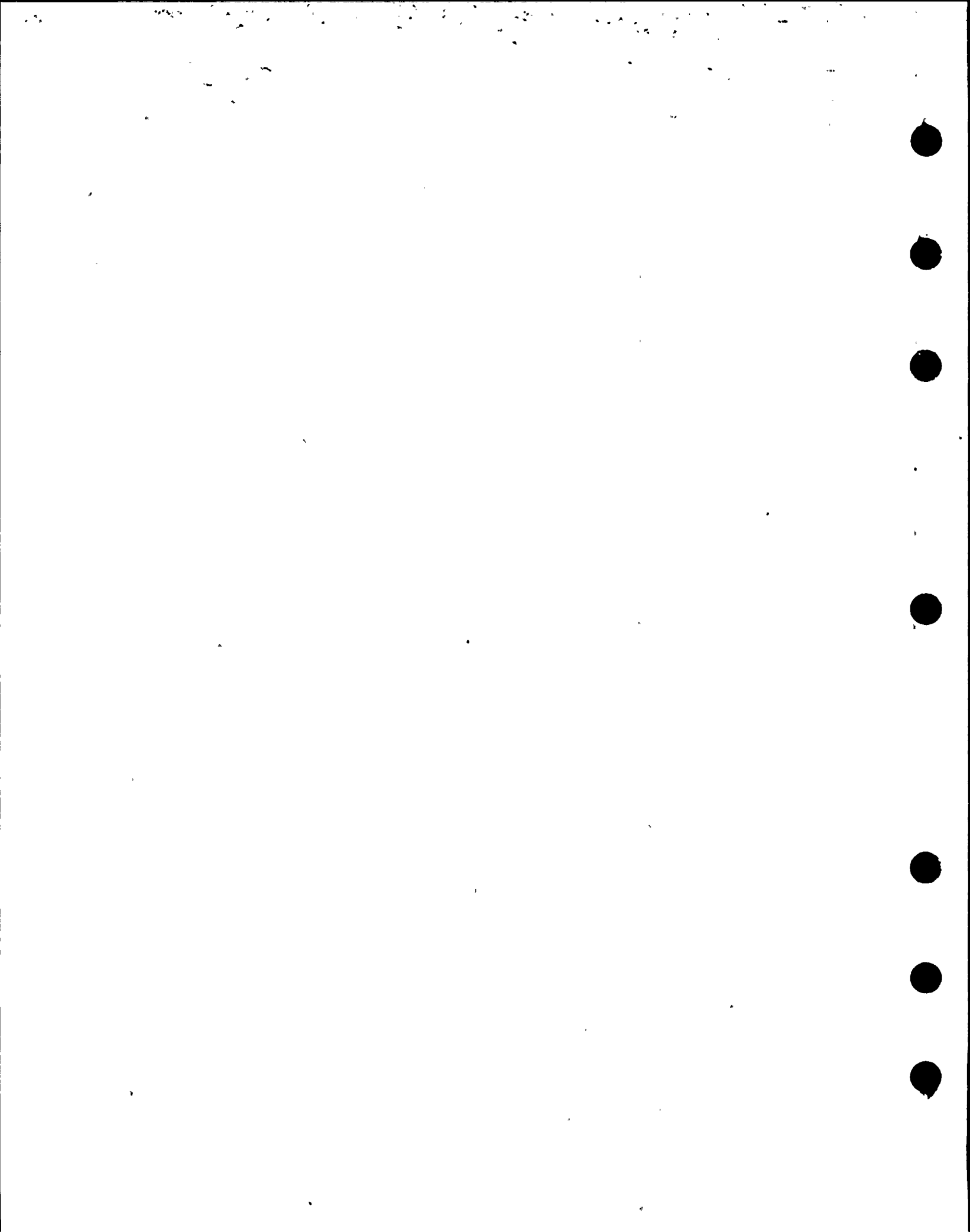


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-39

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

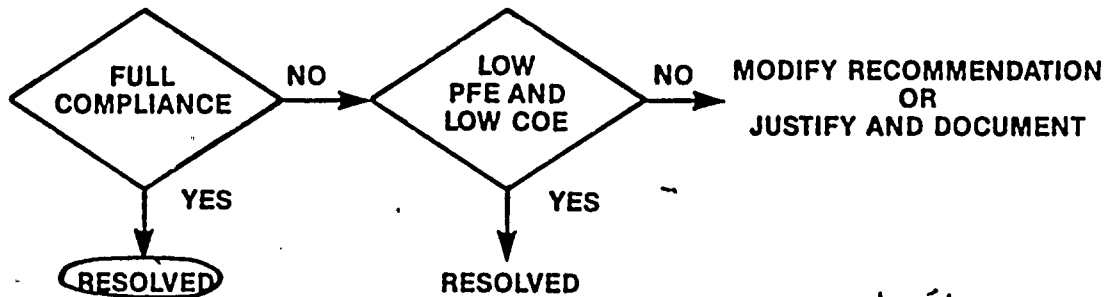
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSIC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86



CLOIHED# 6.1-40

Correction #: 6.6.6.4.b.4
6.6.6.4.b.5

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

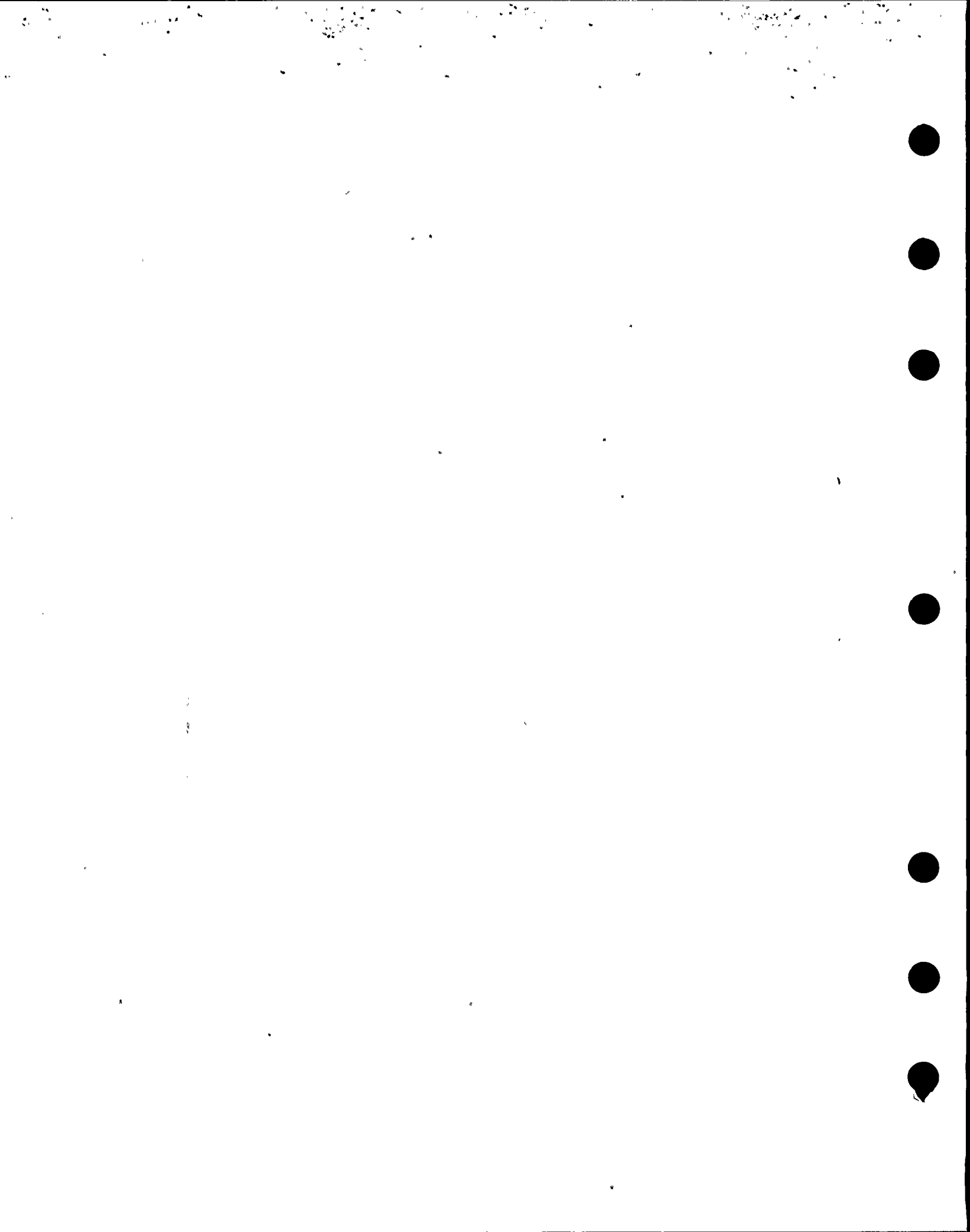


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 6.1-40.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

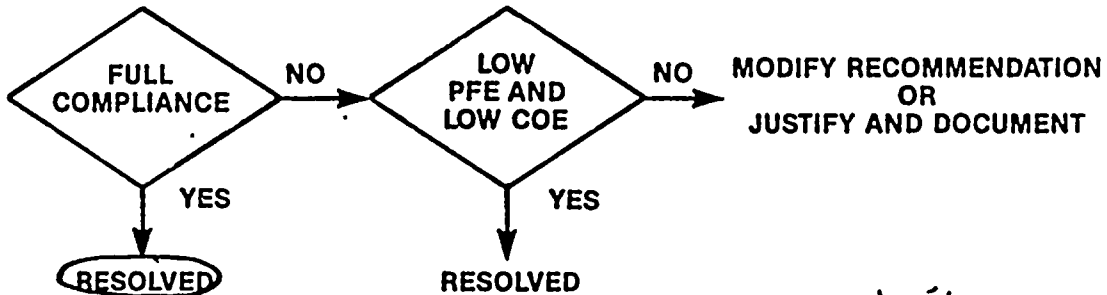
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86



CLOIHED# 6.1-41

revision #: 6.9.3.2.d. (2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

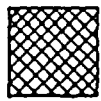
CONSEQUENCE OF ERROR (COE)

HIGH

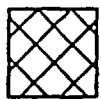
MEDIUM

LOW

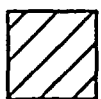
		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



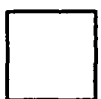
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 6.1-41

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

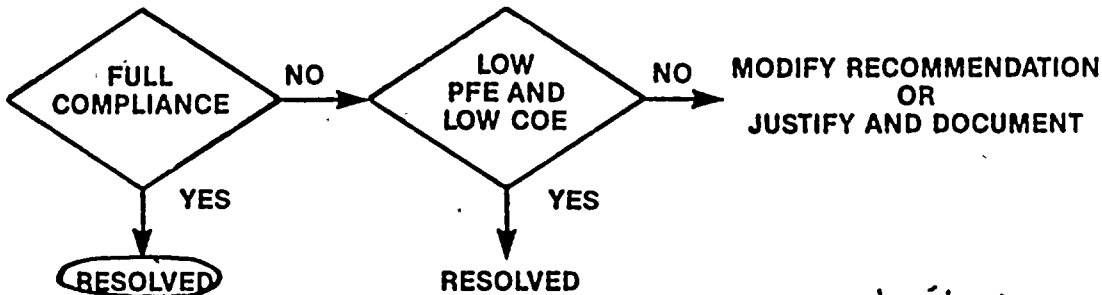
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-42

Revision #: 6.3.8.b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 6.1-42

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

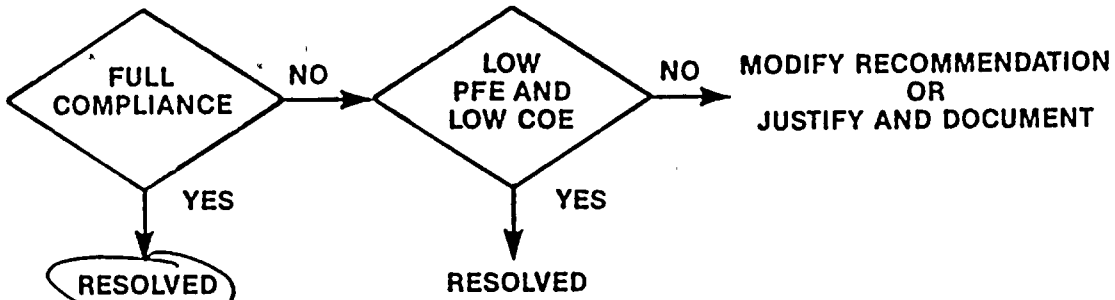
PENDING		DATE
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____
<input type="checkbox"/> FURTHER REVIEW BY	_____	_____

DISPOSITION

APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Some continuous rotary controls do not have direction of motion indicated. The direction for valve operation are to be given on valve controls. Labeling has been added to indicate direction of control motion to open valve.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/26/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/24/86



CLO/HED# 6.1-45

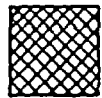
Location #: 6.6.2.1.d.

ASSESSMENT RECORD

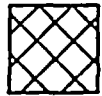
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED#

6.1-43

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

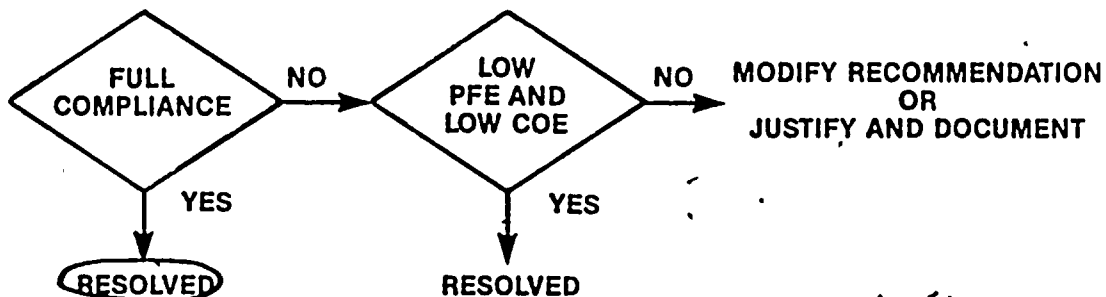
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSIC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSIC PROGRAM LEAD ENGINEER RFS DATE 11/886



CLOIHED# 6-1-44

Location: G.6.1.1.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 6.1-44

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

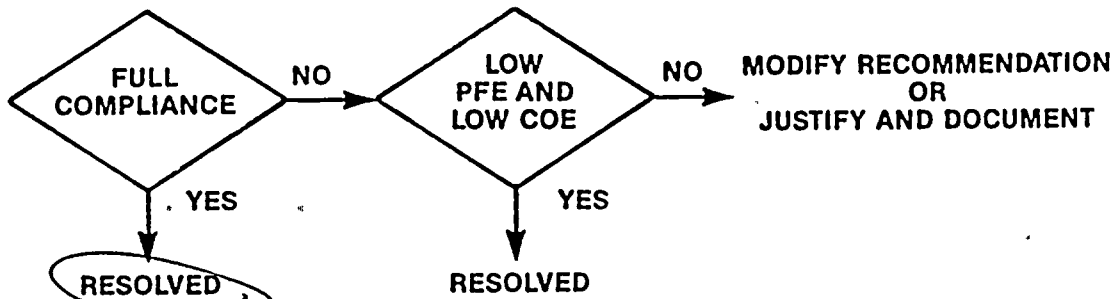
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Some displays (i.e. scales, pointers, and indicator flags) have worn surfaces and need to be clearly identifiable. Plant maintenance to address this problem by repairing or replacing worn surfaces as needed.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/26/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86



CLOIHED# 6.1-45

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

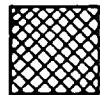
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

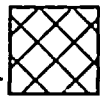
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



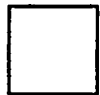
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 6.1-45

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

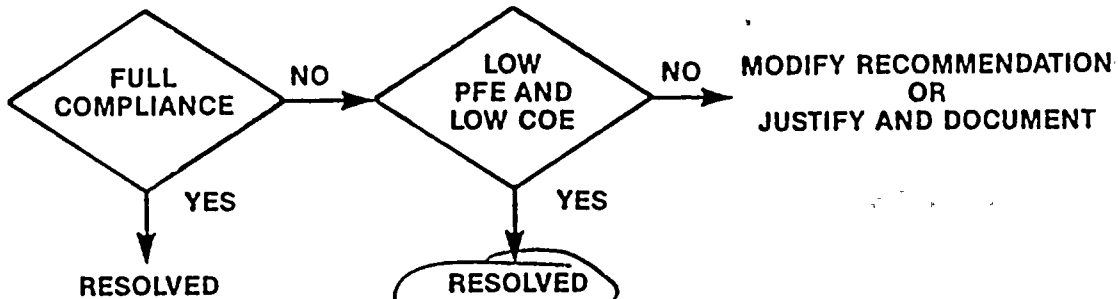
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	<u>NO</u>		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	<u>LOW</u>
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	<u>LOW</u>



EXPLANATION OR JUSTIFICATION Various types of labels are vertical and should be replaced with horizontal labels. Vertical labels will be reviewed and corrected as possible. The labeling on d-handle rotaries and on process controllers is readable, but these will be reviewed further for possible improvements in labeling study.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/26/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/24/86

CLO/HED# 6.1-46





Revision #: 6.6.2.1. c.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II



CLO/HED# 6.1-46.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

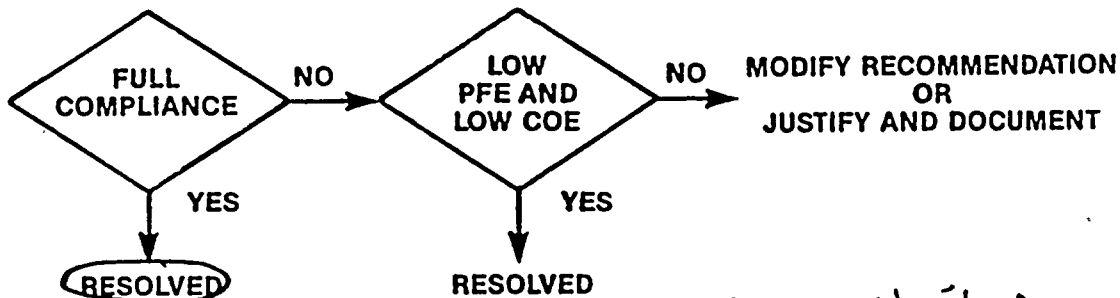
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPS SC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and correctives to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPS SC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-47

Revision #: 6.6.3.1.9.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 6.1-47.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

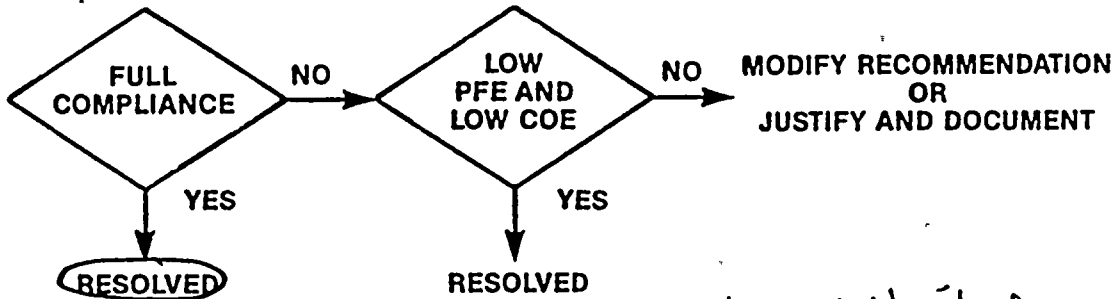
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSA has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSA PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-48





Revision #: 6.6.2.4.a.

ASSESSMENT RECORD

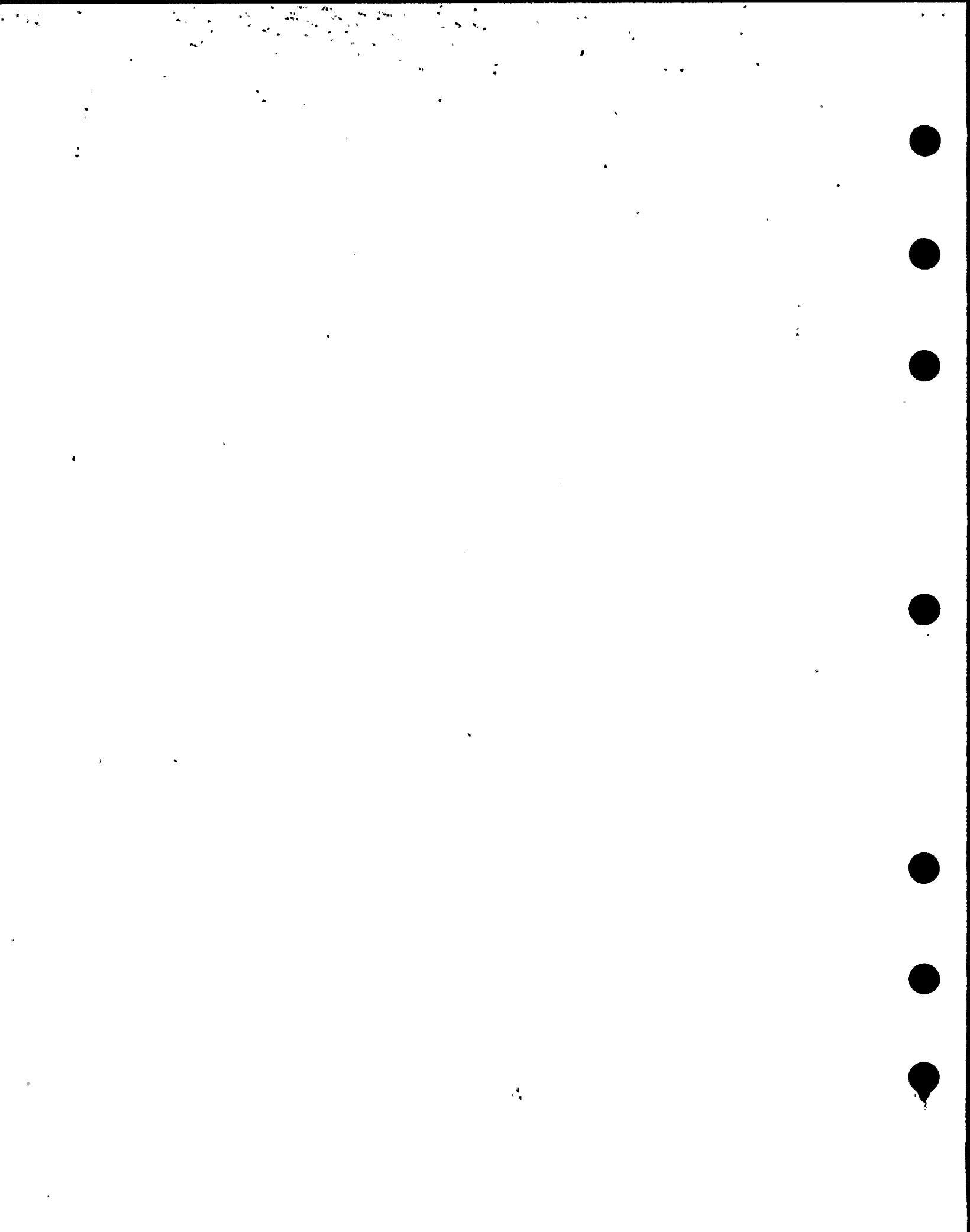
POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 6.1-48.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

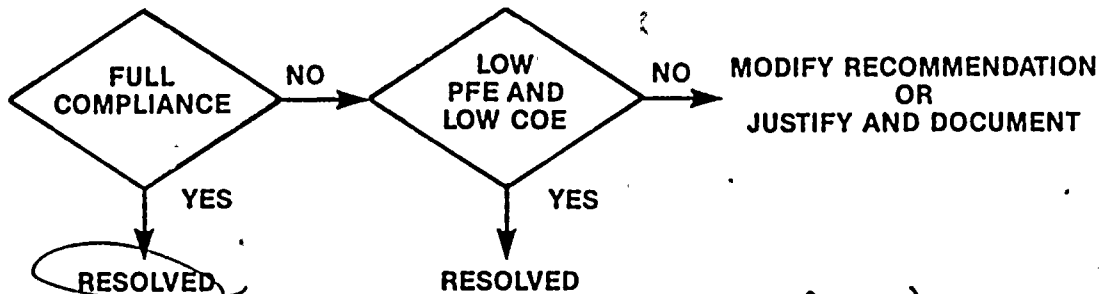
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Display scales will be replaced such that scale numbers are not obscured. Parameter/unit designations will be considered in labeling, demarcation and noise study.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/26/85
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 11/8/86

CLO/HED# 6.1-49

revision #: 6.6.1.2.a.3

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

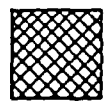
Potential For Error

High

Medium

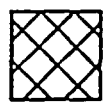
Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



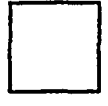
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

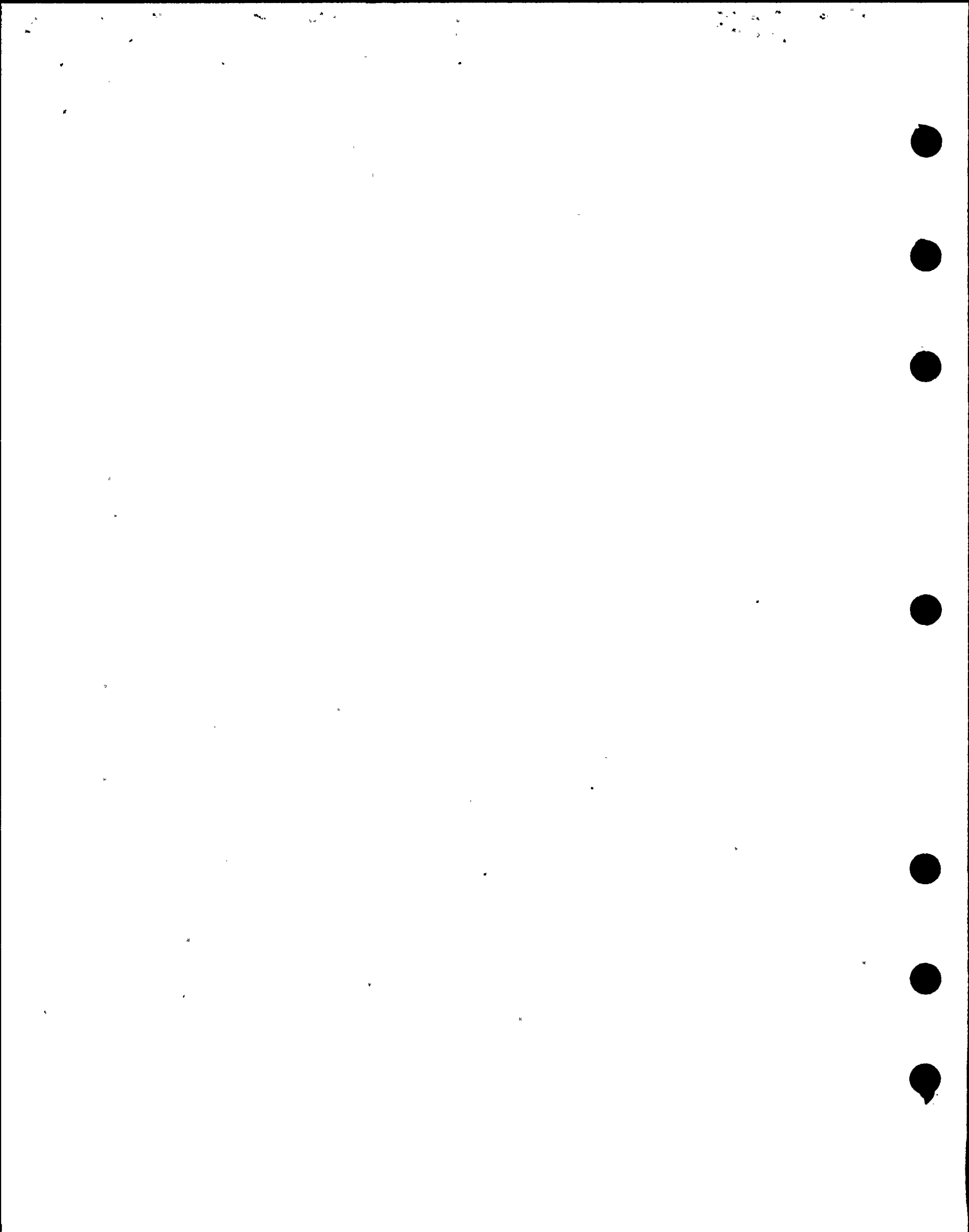


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

I



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

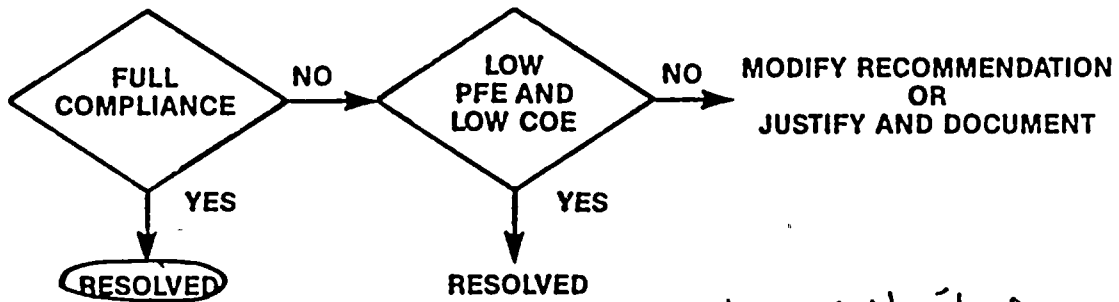
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. [Signature]

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS [Signature]

DATE 11/886

CLO/HED# 6.1-50

Collection #: 6.6.3.4.e.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

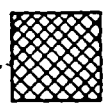
CONSEQUENCE OF ERROR (COE)

HIGH

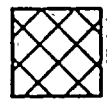
MEDIUM

LOW

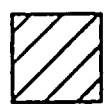
		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



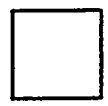
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 6.1-50.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

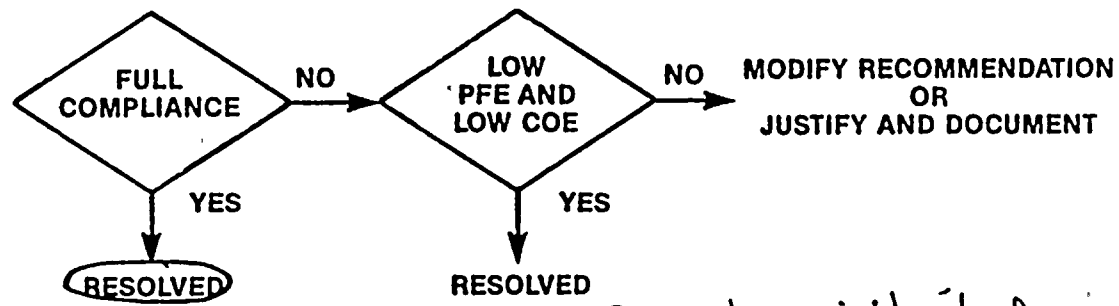
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study. Roman numerals will be eliminated whenever possible from labeling.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-51

Citation # 6.6.1.1.
6.6.4.1.a.1.





ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM **LOW**

CONSEQUENCE OF ERROR (COE) **HIGH** MEDIUM LOW

Consequence Of Error

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

- 
Category I --
High priority; corrective action should be taken.
- 
Category II --
Medium priority; corrective action is highly recommended.
- 
Category III --
Low priority; corrective action is recommended.
- 
Category IV --
No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 6.1-51

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

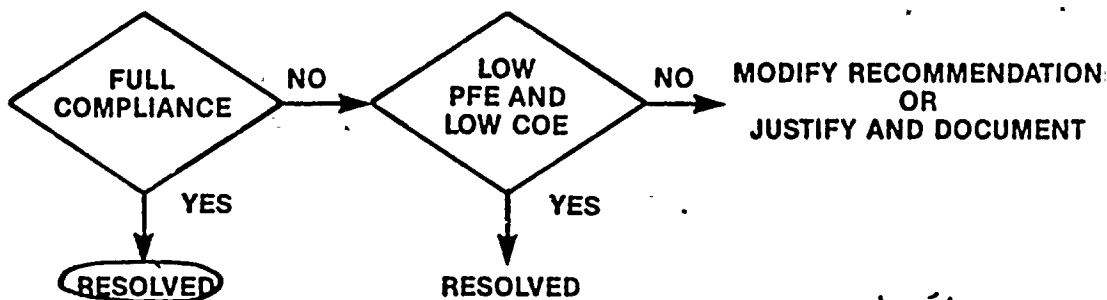
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. [Signature] DATE 11/18/85
AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86



CLO/HED# 6.1-52

Citation #: 6.6.1.2.a.4.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

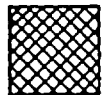
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-52

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

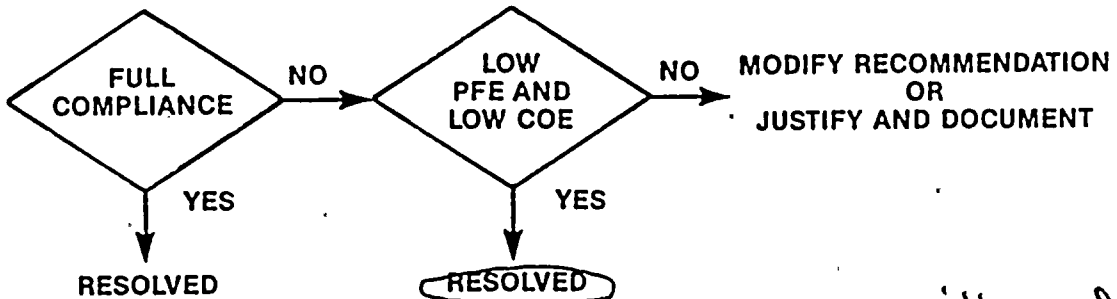
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Summary labels will be added, boards will be relabeled, but slight redundancy will be maintained. On vertical panels where summary label is at top, it is more likely summary label will become disassociated from component label. Also some redundancy reduces negative transfer and makes it easier to match control board labels with written procedures.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 11/26/85

AEPSC PROGRAM LEAD ENGINEER

[Signature]

DATE 11/886

CLO/HED# G.1-53

Revision #: G.6.4.2.d.2.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 6,1-53

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

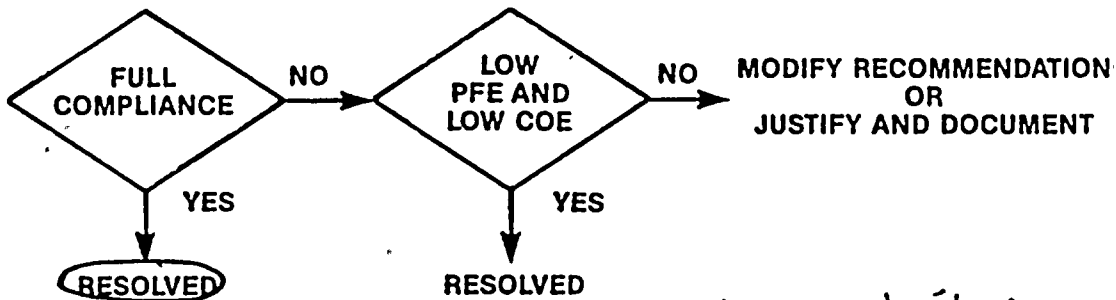
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. [Signature]

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/18/86



CLOIHED# 6.1-54

criticism P: 6.6.2.4.a, b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

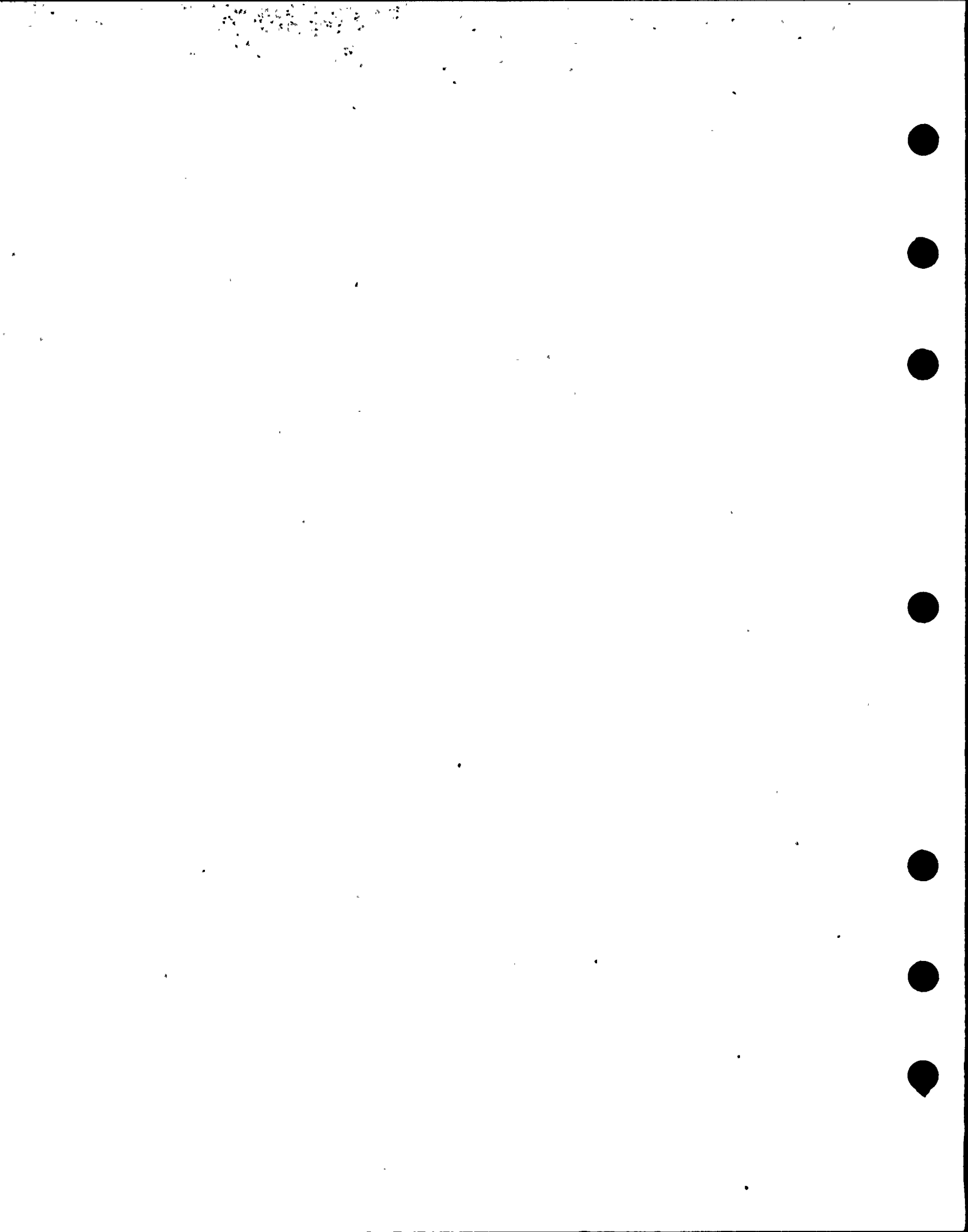


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-54.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

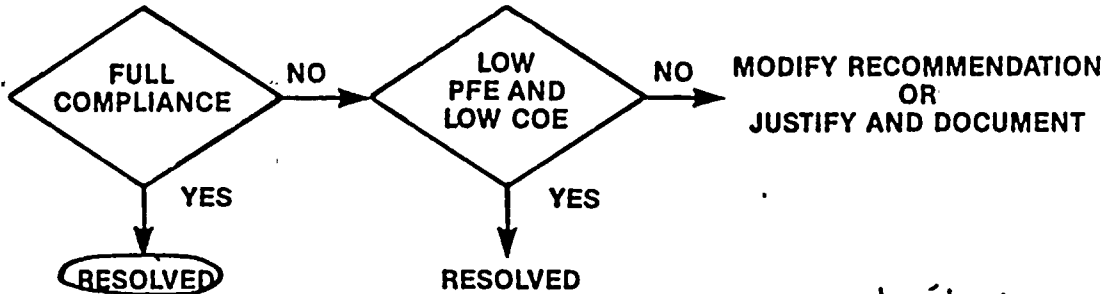
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86



CLO/HED# 6.1.55

Correction #: 6.64.2.8.1.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-55.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

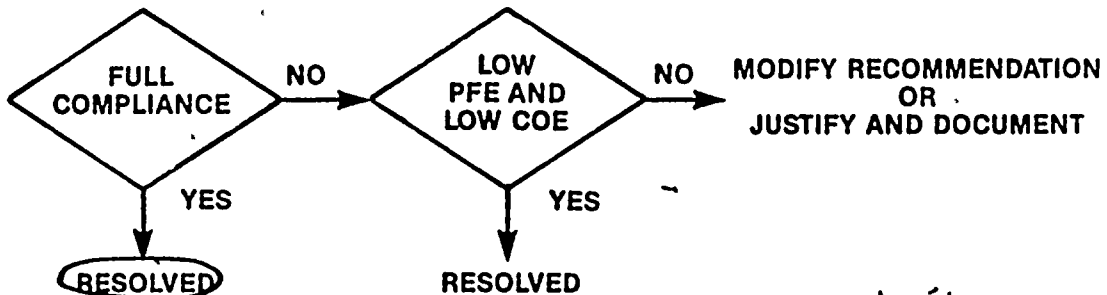
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSA has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSA PROGRAM LEAD ENGINEER RFS DATE 1/18/86



CLO/HED# 6.1-56

Criteria#: 6.6.4.2.d.3

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

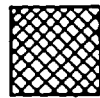
MEDIUM

LOW

Consequence Of Error

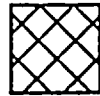
High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



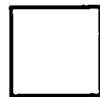
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

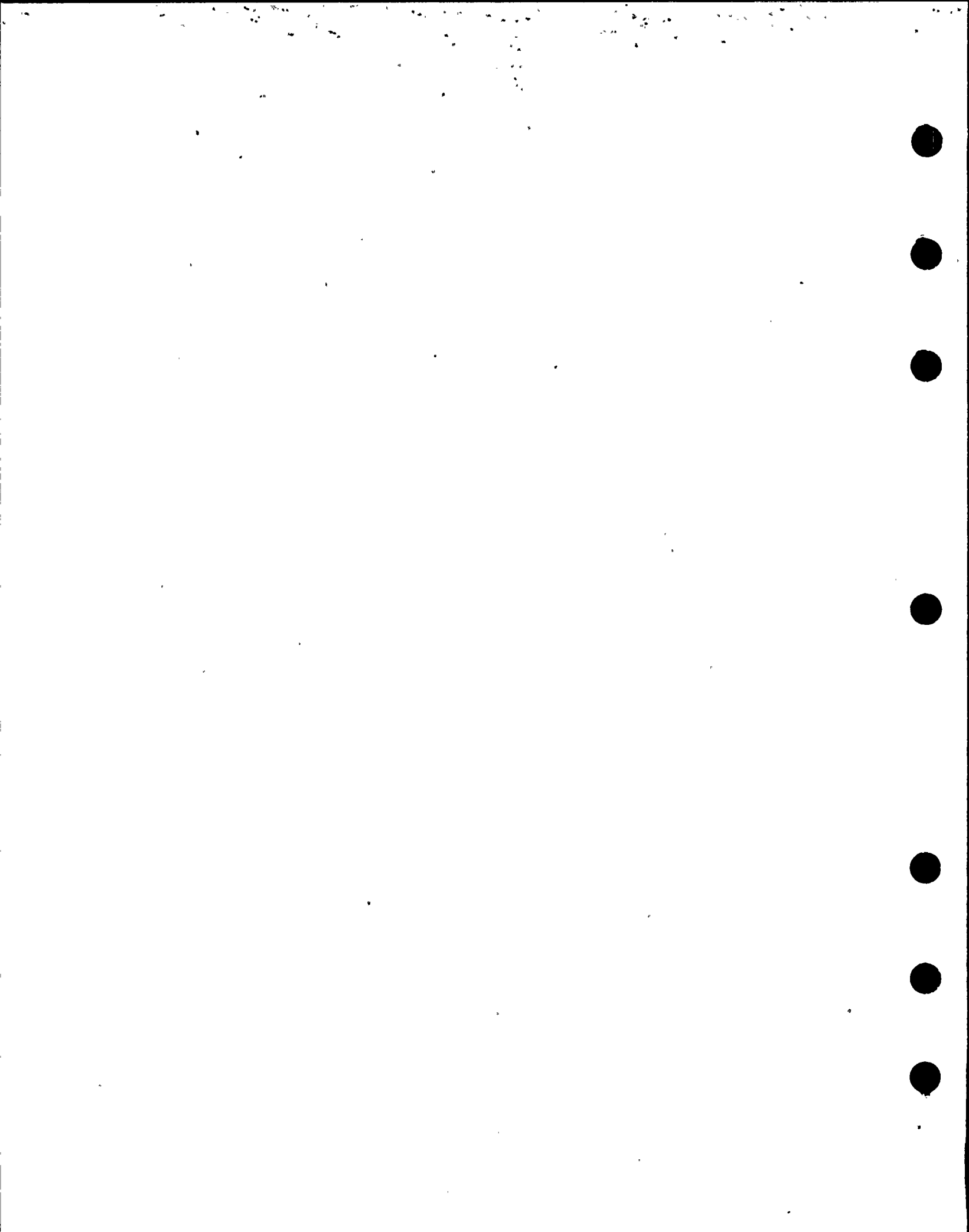


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-56.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

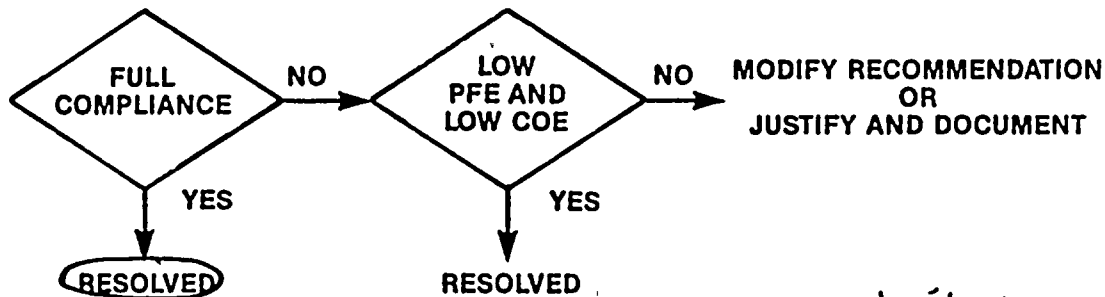
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
AEPSC PROGRAM LEAD ENGINEER RFC DATE 1/18/86

CLO/HED# 6-1-57

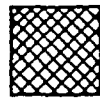
Citation #: G.6.4.1.a.1

ASSESSMENT RECORD

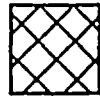
POTENTIAL FOR ERROR (PFE) HIGH **MEDIUM** LOW

CONSEQUENCE OF ERROR (COE) HIGH **MEDIUM** LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



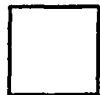
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

CLO/HED# 6.1-57

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

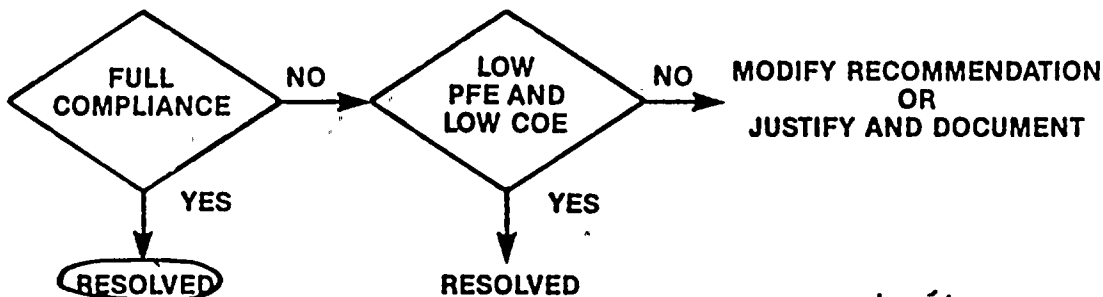
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-58

Correction #: (6.6.2.4.c.
6.4.4.5.d.(3))

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

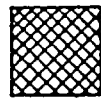
MEDIUM

LOW

Consequence Of Error

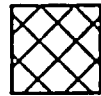
High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



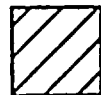
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 6.1-58

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

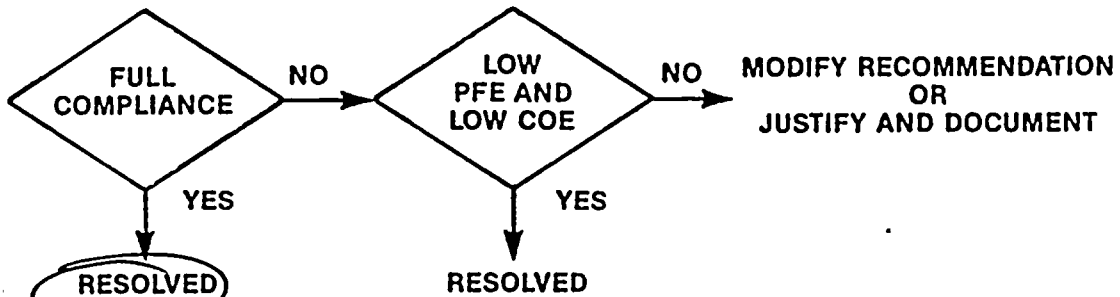
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Some labels are not visible to operator during control use. The examples given only appear to be a problem due to photomosaic photo angle, but the CR will be reviewed for others with a problem. Will be included in labeling, demarcation, and mimic study.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]
RFS

DATE 11/26/85

AEPSC PROGRAM LEAD ENGINEER

DATE 1/18/86

CLO/HED# 6.1-59

Citation #: 6.6.3.7.a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

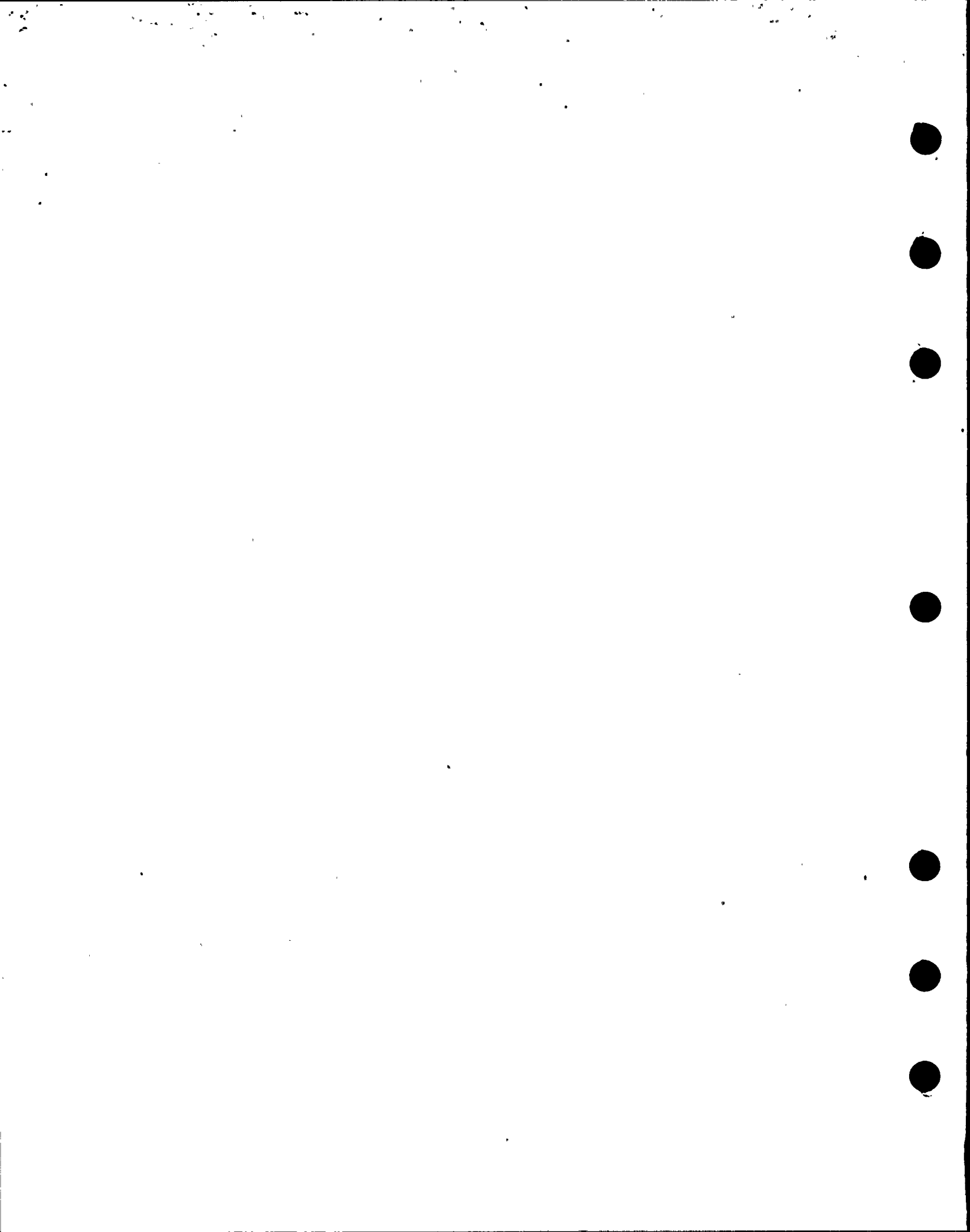


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-59.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

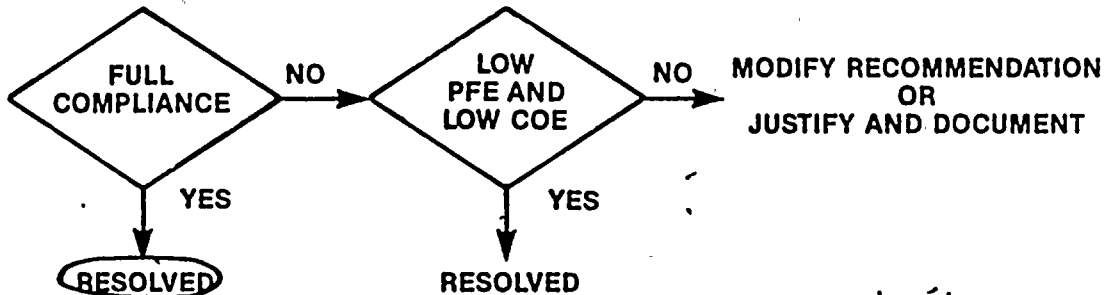
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSIC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. J. Voss DATE 11/18/85
 AEPSIC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 6.1-60

Criterion # 6.6.3.9.b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

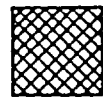
MEDIUM

LOW

Consequence Of Error

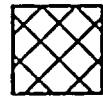
High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



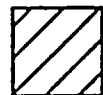
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# 6.1-60

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

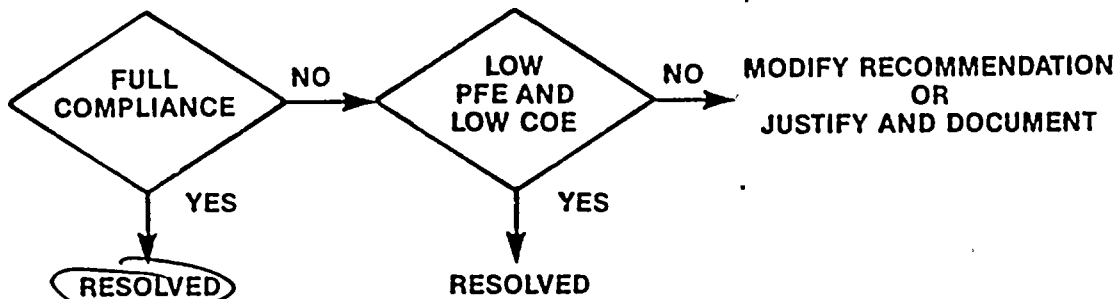
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Danger, safety and warning labels do not conform to standards. Information labels are to be reviewed and danger, safety and warning labels replaced in accordance with human engineering and safety standards.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/26/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/18/86

CLO/HED# G.1-61

collection #: G.G.S.I.d.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 6.1-6f

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

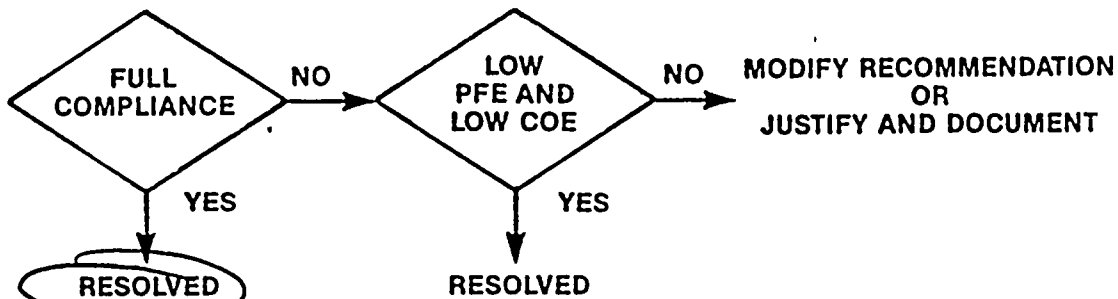
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Tag-outs do not always clearly identify components. Administrative procedure is now in place to ensure proper use of labels/tags.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/26/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/18/86



CLO/HED# 6.1-62

Criterion #: 6.6.1.1.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 6-1-62

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

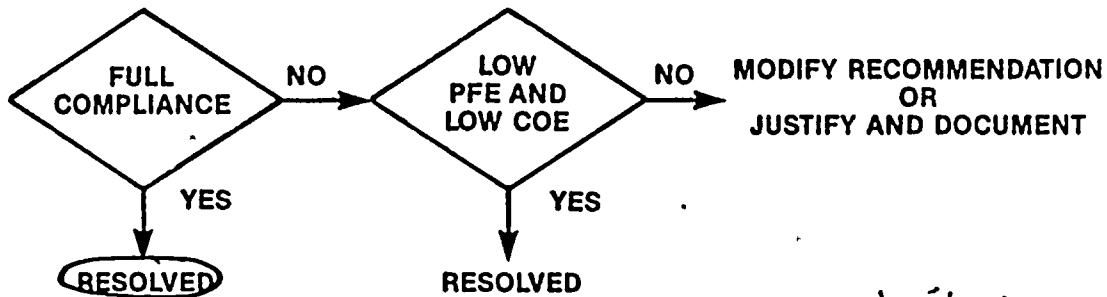
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF





H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			

-  Category I -- High priority; corrective action should be taken.
-  Category II -- Medium priority; corrective action is highly recommended.
-  Category III -- Low priority; corrective action is recommended.
-  Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

CLO/HED# 6.1-63

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

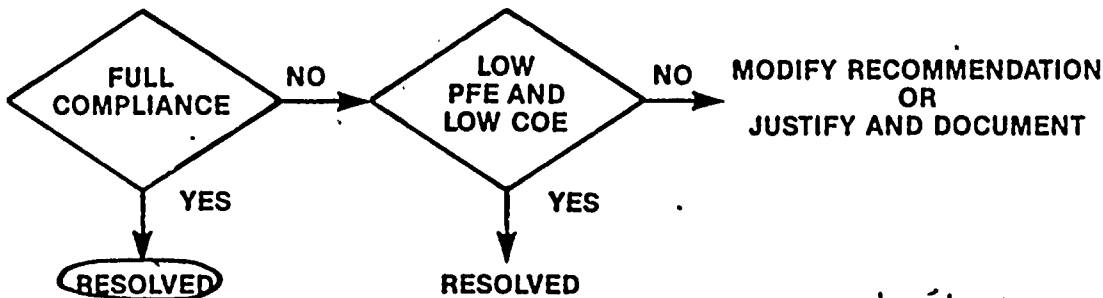
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/85



CLO/HED# 6.1-64

Case #: 6.6.1.1.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# 6.1-64.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

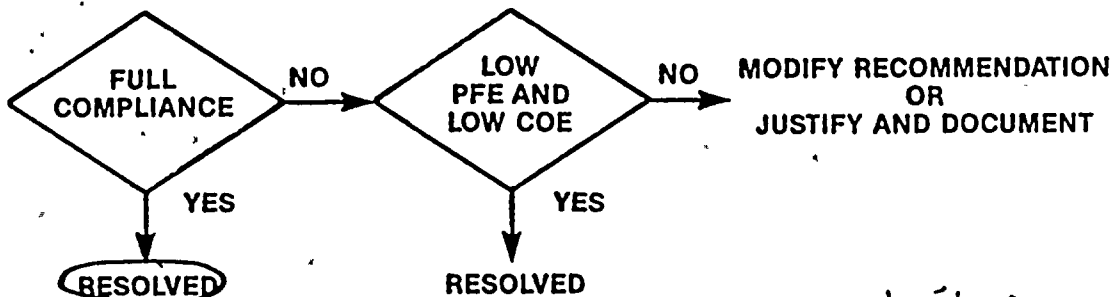
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 1/18/86



CLO/HED# G.1-65

Criterion F: 6.6.2.4.d.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error
High
Medium
Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-65

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

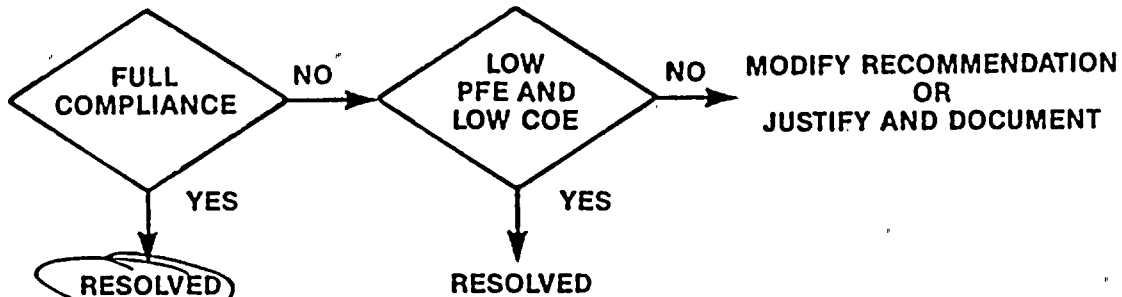
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Labels are not periodically cleaned. Labels are clean after ten years. Operations will review this and take appropriate action to ensure that labels remain clean.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/26/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/886

CLO/HED# 6.1-66

criticism #: 66.3.3.c.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-66

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

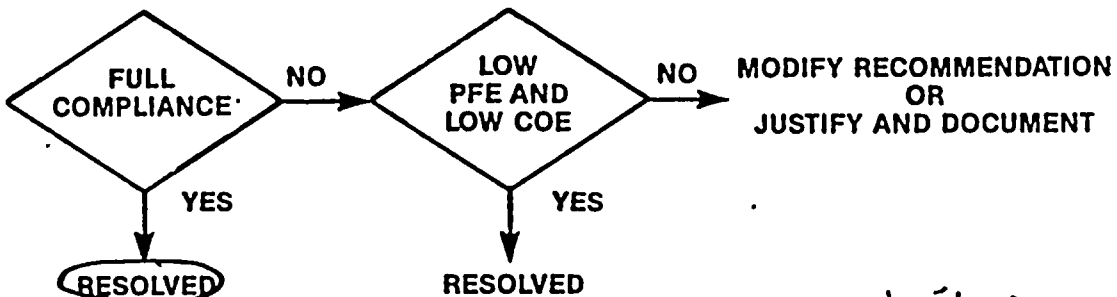
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSAC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study, especially concerning use of exact control board labeling in procedures.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. [Signature] DATE 11/18/85
 AEPSAC PROGRAM LEAD ENGINEER RFS DATE 11/18/86



CLO/HED# 6.1-67

Citation # 6.6.4.2.b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED#

6.1-67.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

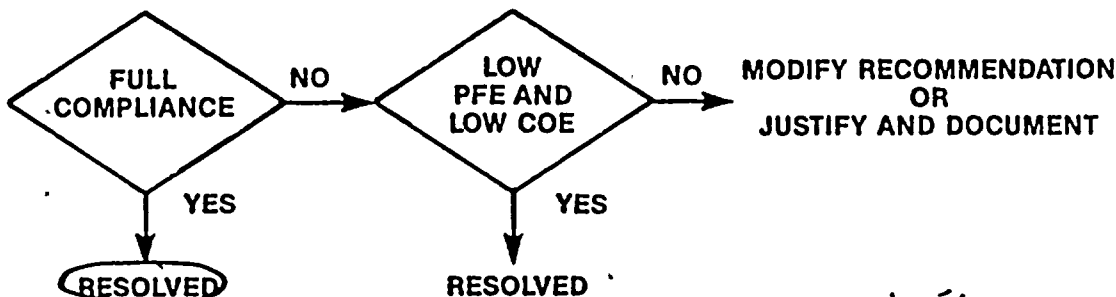
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		YES
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Voss

DATE *11/18/85*

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE *1/18/86*

CLO/HED# 61-68

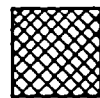
Correction #: 6.6.4.2.c.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW

CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

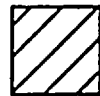
		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED#

6.1-68.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

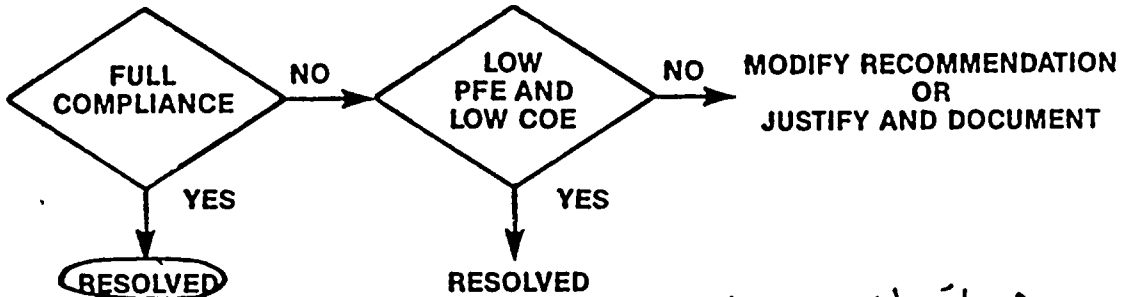
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION

AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. [Signature]

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/18/86

CLO/HED# 6.1-69

Collection #: 6.6.5.1.c.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

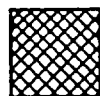
Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-69

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

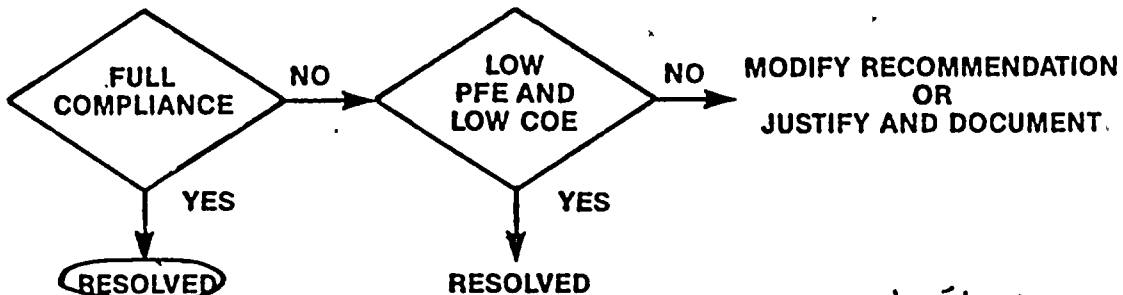
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____
- FURTHER REVIEW BY _____ DATE _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION AEPSIC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines and corrections to mimics. The present discrepancy is being included as part of the study.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Voss DATE 11/18/85
AEPSIC PROGRAM LEAD ENGINEER RFS DATE 11/18/86



CLO/HED# 6.1-70

criticism #: 6.6.5.1.P.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

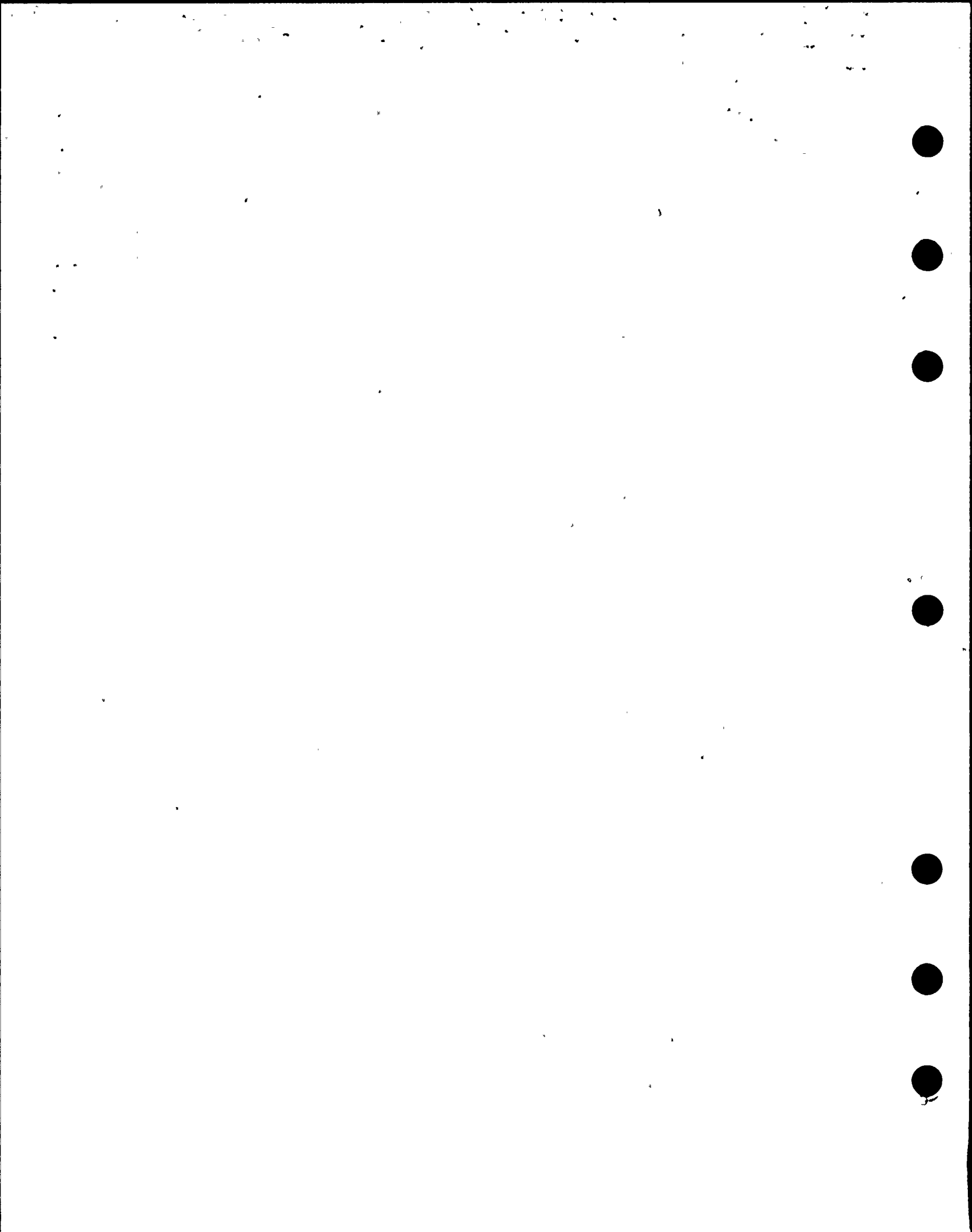
Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 6.1-70

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

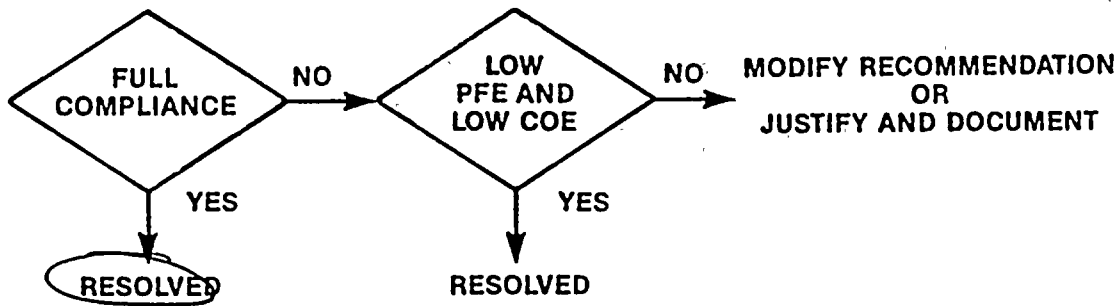
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED
- PARTIALLY APPROVED
- NO ACTION
- OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Tag-outs sometimes obscure labels. Tag outs have been changed. See HED # 6.1-32

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/26/85
 AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 1/18/86

CLO/HED# 6.1-71

criticon #: 6.5.2.9&b.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High Medium Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 6.1-71

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

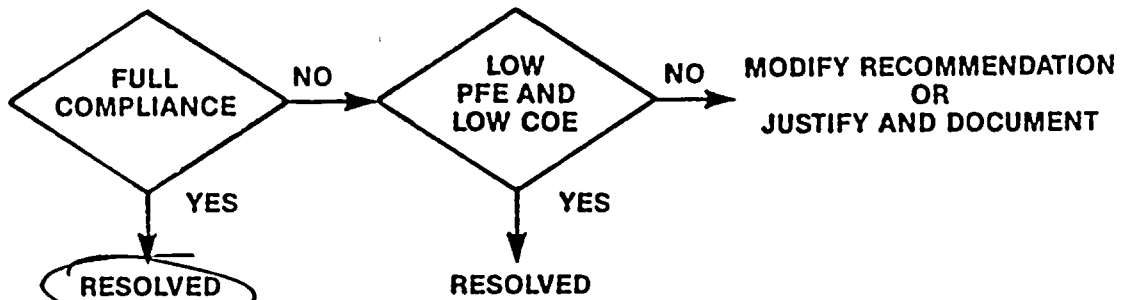
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____
- FURTHER REVIEW BY _____

DISPOSITION

- APPROVED PARTIALLY APPROVED NO ACTION OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO		<u>YES</u>
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Lack of administrative and review procedures for temporary label control. Uncontrolled temperature labels are to be removed and replaced with permanent labels where appropriate. Operations Standing Order #36 has been written for administrative control of temporary labels.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 11/26/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/18/86