

TASK A

Notes on meetings with
ESSEX to review Task Program

10/9/75

1.0 Intro

- 2.0 HF aspects of ^{model} CR development.
- 3.0 HF criteria - Muller Industry
- 4.0 HF Eval. of TMI 2 Dev. Process
- 5.0 HF already other com. vintage plants
- 6.0 Comparison of TMI 2 to other plants
- 7.0 Summary of findings & recommendations

Details

2.0 HF aspects of ^{model} CR development

2.1 Planning & management. - staff expertise,
How you "ought to do it." (Airpro Standards)

2.2 Design development. - what should be looked at.

2.2.1 Design

2.2.2 Procedures

2.2.3 Personnel requirements - training, pers. selection

2.3 Testing

2.4 Operation

[Need input here which highlights importance of sys engr.
approach - DOD reqs. etc]

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3.0 HF Criteria in Nuclear Industry

3.1 SRP

- Documentation objectives
- Extent of review
- ~~How~~ review procedures - how
- Results & conclusions

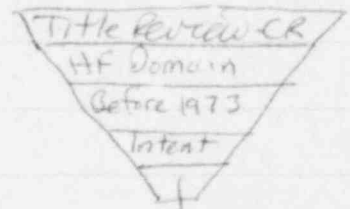
3.2 Reg & Safety Guides

3.3 RTM

3.4 Standards & Recommended Procedures

3.5 Summary

Should address adequacy of NRC system of controlling safety systems only
System Engr - sys. interactions
also some comparison of NRC (nuclear) with DOD & aerospace criteria



↓
applicable criteria

general approach

take today's R's, standards and coded backwards.

4.0 HF Eval of TMI-2 Develop. Process

- Describe TMI-2 CR brief

4.1 Planning & Mgmt

4.1.1 How we evaluated it

4.1.2 Findings - didn't have any, design based on hardware only - no human error consideration.

xpr from Oyster Creek to TMI-2 was significant

4.2 Development

4.3 Testing

4.4 Operation

5.0 HF Review of Some Vintage Plants

5.1 Calvert Cliffs

5.1.1 Planning & Mgmt - no HF formally -

5.1.2 Development

5.1.3 Testing

5.1.4 Ops

5.2 Oconee

Recurers.

6.0. Comparison of MMI-2 to other plants

- Mynit.
- principle
- Operate function

capture good HF features from each panel

↳ response to alarms, diagnosis of problem, alarms adjacent to controls, determine operational configuration, selecting corrective action, performance of corrective action, status monitoring, preventing inadvertent activation

TASK C

Outline
Documents

Get list of what Robin needs.

~~NRC training requirements/practices~~
~~Met Ed " " "~~

Op. Selection

- o NRC requirements - have
- o Met Ed " - interviews?, procedures?
- o Actual Op. Background - need records

Zeckman had married wife. Met Ed. files

Define limitations of selection process.

Get 1.4 CFR - air traffic controller.

Training Program

10/12/79

Mark Fitzpatrick

Need to have Jim Johnson, Ken, & Dave go over
the script & relate their knowledge of given
areas (H&E, training, procedures) to critical events.

Identify point at which operators recognized
they were confused, didn't understand.

Meet with Morrison, Allison, etc to finalize
timelines.