			APPEN	DIX E -	REGION		RATING	TEST J	OB PERF	ORMAN	ICE MEASURE QUALITY REVIEW MATRIX-COMMENT RESOLUTION
JPM#	1. Dyn	2. LOD		3	3. Attribut	es			Content rrors	5. U/E/S	6. Explanation
	(D/S)	(1-5)	IC Focus	Cues	Critical Steps	Scope (N/B)	Over- lap	Job- Link	Minutia		(See below for instructions)
RO-RCS2	S	3								S	
RO-SURV2	S	3								S	
RO-RAD1	S	2								S	
RO- COMM2	S	2								S	
SRO- QUAL1	S	2								S	
SRO- PROC1	S	2								S	
SRO- MNTC1	S	2								S	
CRD03	D	3								S	STEPS 2 -11 ARE CRITICAL
EOP-10	S	3								S	
MFW04	D	3								S	STEP 7 IS NOT CRITICAL - STEP REVISED
AOP-29	D	2								S	STEP 4 IS CRITICAL
QT-001	D	2								S	
EOP-09	S	2								S	STEP 1 IS CRITICAL
ICW-01	D	3								S	STEP 4 WAS REVISED TO BE CONSISTENT WITH PROCEDURE.
CRD-04	s	2								S	STEPS 4 & 5 ARE NOT CRITICAL - STEP REVISED
AOP-07	S	2								S	STEPS 1 & 6 ARE NOT CRITICAL - STEP REVISED
EDO-19	S	3								S	STEP 1 IS CRITICAL

## Instructions for Completing Matrix

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- 1. Determine whether the task is dynamic (D) or static (S). A dynamic task is one that involves continuous monitoring and response to varying parameters. A static task is basically an system reconfiguration or realignment.
- 2. Determine level of difficulty (LOD) using established 1-5 rating scale. Levels 1 and 5 represent inappropriate (low or high) discriminatory level for the license being tested.
- 3. Check the appropriate box when an attribute weakness is identified:
  - The initiating cue is not sufficiently clear to ensure the operator understands the task and how to begin.
  - The JPM does not contain sufficient cues that are objective (not leading).
  - All critical steps (elements) have not been properly identified.
  - Scope of the task is either too narrow (N) or too broad (B).
  - Excessive overlap with other part of operating test or written examination.
- 4. Check the appropriate box when a job content error is identified:
  - Topics not linked to job content (e.g., disguised task, not required in real job).
  - Task is trivial and without safety significance.

5. Based on the reviewer's judgment, is the JPM as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?

6. Provide a brief description of problem in the explanation column. Provide conclusion on whether JPM <u>SET</u> criteria satisfied (i.e., number/distribution of safety functions, A.3 and A.4 integrated with parts B/C, Admin topics per section meet ES).

				Α	PPENDI	<b>( E</b> - RE(	GION IV	OPERA	TING TES	ST JOB	PERFORMANCE MEASURE QUALITY REVIEW MATRIX
JPM#	1. Dyn	2. LOD		3	3. Attribut	es			Content rrors	5. U/E/S	6. Explanation
	(D/S)	(1-5)	IC Focus	Cues	Critical Steps	Scope (N/B)	Over- lap	Job- Link	Minutia		(See below for instructions)
RO-RCS2	S	3								S	
RO-SURV2	S	3								s	
RO-RAD1	S	2								S	
RO- COMM2	S	2								S	
SRO- QUAL1	S	2								S	
SRO- PROC1	S	2								S	
SRO- MNTC1	S	2								S	
CRD03	D	3								S	ARE STEPS 2 -11 ALL CRITICAL?
EOP-10	S	3								S	
MFW04	D	3								S	WHY IS STEP 7 CRITICAL?
AOP-29	D	2								S	IS STEP 4 CRITICAL?
QT-001	D	2								S	
EOP-09	S	2								S	IS STEP 1 CRITICAL?
ICW-01	D	3								S	STEP 4 APPEARS TO BE INCONSISTENT WITH PROCEDURE.
CRD-04	S	2								S	ARE STEPS 4 & 5 CRITICAL?
AOP-07	S	2								S	ARE STEPS 1 & 6 CRITICAL?
EDO-19	S	3								S	IS STEP 1 A CRITICAL STEP?

## Instructions for Completing Matrix

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- 1. Determine whether the task is dynamic (D) or static (S). A dynamic task is one that involves continuous monitoring and response to varying parameters. A static task is basically an system reconfiguration or realignment.
- 2. Determine level of difficulty (LOD) using established 1-5 rating scale. Levels 1 and 5 represent inappropriate (low or high) discriminatory level for the license being tested.
- 3. Check the appropriate box when an attribute weakness is identified:
  - The initiating cue is not sufficiently clear to ensure the operator understands the task and how to begin.
  - The JPM does not contain sufficient cues that are objective (not leading).
  - All critical steps (elements) have not been properly identified.
  - Scope of the task is either too narrow (N) or too broad (B).
  - Excessive overlap with other part of operating test or written examination.
- 4. Check the appropriate box when a job content error is identified:
  - Topics not linked to job content (e.g., disguised task, not required in real job).
  - Task is trivial and without safety significance.

5. Based on the reviewer's judgment, is the JPM as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?

6. Provide a brief description of problem in the explanation column. Provide conclusion on whether JPM <u>SET</u> criteria satisfied (i.e., number/distribution of safety functions, A.3 and A.4 integrated with parts B/C, Admin topics per section meet ES).

		APPEN	IDIX F -	REGION		ERATIN	G TEST	QUEST	ION QU	ALITY F	REVIEW	MATRI	K- COMMENT RESOLUTION
0,4	1.	2.		3. Psyc	hometric	c Errors		4.	Job Con	tent Erre	ors	5.	6.
Q#	LOK (F/H)	LOD (1-5)	Stem Focus	Direct L/U	One Ans	Min Resp	Scope (TS?)	Job- Link	Minu- tia	SRO Only	Back- wards	U/E/S	Explanation (See below for instructions)
RO- A1Q1	F	2										S	
RO- A1- Q2	F	2										S	ANSWER AND REFERENCE PROVIDED IN THE JPM.
SRO- A3- Q1	F	3										S	
SRO- EAL7	Н	3										S	INCLUDE APPLICABLE SECTIONS FROM ATT 1 & 3 OF PROC 1903.010.

	(F/H)	2. LOD (1-5)		3. Psycl										
Instrue	(F/H)	-			hometric Errors			4.	Job Con	ntent Err	ors	5.	6.	
	otione		Stem Focus		One Ans	Min Resp	Scope (TS?)	Job- Link	Minu- tia	SRO Only	Back- wards	U/E/S	Explanation (See below for instructions)	
	CUUIIS	for C	omple	ting M	latrix									
1113 10			•	•		uired	by NU	REG-	1021.	Utilit	ies are	e not re	equired or encouraged to use it.	
•	•						-			•		•	erating tests. Additional	
					•								pendix D. Check or mark any	
•		•			•		ne issu		•	•				
1.													er cognitive level.	
2.													Levels 1 and 5 represent	
3.	inappropriate (low or high) discriminatory level for the license being tested.													
5.	•	<ul> <li>Check the appropriate box when a psychometric error is identified:</li> <li>Stem lacks sufficient focus to solicit only the answers listed (e.g., unclear on intent, answer</li> </ul>												
							negati		•				.g., unclear on intent, answer	
	•										bvious	s refer	ence),	
	•						t single							
	•						ssing o			•			,	
	•												how, TS bases not system,	
							y plan							
4.	Cheo			-			a job d							
	•								disgui	sed ta	ask, no	ot requ	ired in real job, invalid K/A).	
	•				•		vledge							
	•						SRO jo				rsa,			
5.	• Bacc			-			on con	-	-		tton (L	l)naco	eptable (requiring repair or	
J.							al enh							
6.							olem ir							

			А	PPEND	<b>IX F</b> - R	EGION	IV OPEF	RATING	TEST C	UESTIC	ON QUA	LITY RE	VIEW MATRIX
Q#	1.	2.		3. Psyc	hometric	c Errors		4.	Job Con	tent Erro	ors	5.	6.
Q#	LOK (F/H)	LOD (1-5)	Stem Focus	Direct L/U	One Ans	Min Resp	Scope (TS?)	Job- Link	Minu- tia	SRO Only	Back- wards	U/E/S	Explanation (See below for instructions)
RO- A1Q1	F	2										S	
RO- A1- Q2	μ	2										U	NEED ANSWER IN THE JPM. REFERENCE NOT PROVIDED.
SRO- A3- Q1	F	3										S	
SRO- EAL7	Н	3										S	INCLUDE APPLICABLE SECTIONS FROM ATT 1 & 3 OF PROC 1903.010.

			A	PPEND	<b>X F</b> - R	EGION	IV OPEF	RATING	TEST C	UESTIC	ON QUA	LITY RE	
Q#	1. LOK	2. LOD		3. Psycl	nometric	Errors		4.	Job Con	itent Erro	ors	5.	6.
Q#	(F/H)	LOD (1-5)	Stem Focus	Direct L/U	One Ans	Min Resp	Scope (TS?)	Job- Link	Minu- tia	SRO Only	Back- wards	U/E/S	Explanation (See below for instructions)
nstri	uctions	s for C	omple	tina M	atrix								
						uired	bv NU	REG-	1021.	Utiliti	es are	e not re	equired or encouraged to use it.
							•						erating tests. Additional
infori	mation	on the	ese ar	eas m	ay be	found	d in Ex	amina	ation G	Good F	Practic	es Ap	pendix D. Check or mark any
item(	s) requ	uiring	comm	ent an	id exp	lain th	ne issu	ie in th	ne spa	ice pro	ovided		
1.													er cognitive level.
2.					•	•		-			•		Levels 1 and 5 represent
	•	• •	•	ow or h	•			•				-	ested.
3.	Che			opriate									
	•								•		ers lis	sted (e	e.g., unclear on intent, answer
				or unr		•	-				In		
	•				-								rence),
	•			n does n resp			•			•			а, ,
	•												how, TS bases not system,
			•	1 ques			-					iny not	
4.	Che		•	opriate		•			nt erro	r is ide	entified	1:	
	•												iired in real job, invalid K/A).
	•			f too s					0 -		-,		, , , , , , , , , , , , , , , , , , ,
	•			items	•		•		el or vi	ce ver	rsa,		
	•			logic			•						
5.	Bas	ed on	the re	viewe	r's jud	gmen	it, is th	e que	stion a	as writ	ten (L	J)nacc	eptable (requiring repair or
				n need									
6.	Prov	vide a	brief of	descrip	otion c	of prob	olem ir	n the e	explan	ation of	columi	n.	

			A	PPENDI	<b>X N</b> - RE	GION IV	OPERA	TING TE	ST SCE	NARIO REVIEW MATRIX -COMMENT RESOLUTION
Scen Set	1 ES	2 TS	3 Crit	4 IC	5 Pred	6 TL	7 L/C	8 Eff	9 U/E/S	10 Explanation (See below for instructions)
1									S	TS ACTIONS ADDED, FORM FORMAT CORRECTED, TURNOVER INFO MADE CONSISTENT.
2									S	TS ACTIONS ADDED AND TURNOVER INFO MADE CONSISTENT.
3									S	TS ACTIONS ADDED, OUTLINE EVENTS 6 & 7 MADE CONSISTENT WITH SCENARIO, AND TURNOVER INFO REVISED.
4									S	TS ACTIONS ADDED, TURNOVER INFO REVISED. ONLY A BACK-UP IF SCENARIO 3 NOT RUN.
This forr reviewin	g operating tt and expla ES: ES-30 TS: Set inc Crit: Each IC: Out of s Pred: Scen TL: Time lin L/C: Lengtl events are Eff: Seque	tained in test scer in the iss 1 checkli cludes SF manipula service e nario seq ne constr h and con needed nce of ev he review	or requir nario sets sue in the sts 4, 5, 4 RO TS ac tion or e quipmen uence ar ructed, in mplexity for evalu- vents is re wer's judg	s. Addition space p & 6 satis- ctions for volution I t and oth t and other f including e for each ation pur easonabling gment, is	onal infor rovided. fied. each SR nas explic er initial of actors av event and scenario poses. y efficien the scer	mation o O, with r cit succe condition roid pred I process in the se in the se t for exam	equired a ss criteria s reason ictability triggere t is reason is reason as writte	areas ma actions e a docum iably con issues. ed conditi onable fo purpose n (U)nac	explicitly of ented in isistent b ions, suc or the cre es, espec	acouraged to use it. The purpose of this form is to enhance regional consistency in and in Examination Good Practices Appendix D. Check or mark any item(s) requiring detailed. Form ES-D-2. Detween scenarios and not predictive of scenario events and actions. The that scenario can run without routine examiner cuing. Ever mix being examined, such that all applicants have reasonably similar exposure and ially with respect to long delays or interactions. In (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?

					APP		I - REGI	IO VI NC	PERATIN	IG TEST SCENARIO REVIEW MATRIX
Scen Set	1 ES	2 TS	3 Crit	4 IC	5 Pred	6 TL	7 L/C	8 Eff	9 U/E/S	10 Explanation (See below for instructions)
1		NO							E	NO TS ACTIONS INCLUDED FOR CRS. FORM FORMAT NEEDS CORRECTION. TURNOVER INFO NOT CONSISTENT.
2		NO								NO TS ACTIONS INCLUDED FOR CRS. INITIAL CONDITIONS/TURNOVER INCONSISTENT.
3		NO								NO TS ACTIONS INCLUDED FOR CRS. OUTLINE EVENTS 6 & 7 INCONSISTENT WITH SCENARIO. TURNOVER ON OUTLINE INCOMPLETE.
4		NO							E	NO TS ACTIONS INCLUDED FOR CRS. TURNOVER ON OUTLINE INCOMPLETE. TOO SIMILAR TO SCENARIO 3.

## Instructions for Completing Matrix

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1. ES: ES-301 checklists 4, 5, & 6 satisfied.

2. TS: Set includes SRO TS actions for each SRO, with required actions explicitly detailed.

3. Crit: Each manipulation or evolution has explicit success criteria documented in Form ES-D-2.

4. IC: Out of service equipment and other initial conditions reasonably consistent between scenarios and not predictive of scenario events and actions.

5. Pred: Scenario sequence and other factors avoid predictability issues.

6. TL: Time line constructed, including event and process triggered conditions, such that scenario can run without routine examiner cuing.

7. L/C: Length and complexity for each scenario in the set is reasonable for the crew mix being examined, such that all applicants have reasonably similar exposure and events are needed for evaluation purposes.

8. Eff: Sequence of events is reasonably efficient for examination purposes, especially with respect to long delays or interactions.

9. Based on the reviewer's judgment, is the scenario set as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?

10. Provide a brief description of problem in the explanation column