

Facility:		Date of Exam: May 8 – 19, 2017											Operating Test No.:2017					
A P P L I C A N T	E V E N T  T Y P E	Scenarios												T O T A L	M I N I M U M (*)			
		2			3			4			CREW POSITION							
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P		R	I	U	
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input checked="" type="checkbox"/> SRO-U 1	RX							2							1	1	1	0
	NOR							1							1	1	1	1
	I/C							3, 4, 5							3	4	4	2
	MAJ							6							1	2	2	1
	TS							3, 4, 5							3	0	2	2
RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/> SRO-I 1	RX	2			3				2						3	1	1	0
	NOR	1													1	1	1	1
	I/C	3, 4, 5			1, 2, 4				3, 5						8	4	4	2
	MAJ	6			5, 7				6						4	2	2	1
	TS	3, 4			1, 3, 4										5	0	2	2
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/> RO 1	RX		2												1	1	1	0
	NOR						3				1, 2				3	1	1	1
	I/C		5, 7				1, 2, 4				4, 7				7	4	4	2
	MAJ		6				5, 7				6				4	2	2	1
	TS														0	0	2	2
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/> RO 2	RX					3									1	1	1	0
	NOR			1, 2											2	1	1	1
	I/C			3, 4, 8		6, 8									5	4	4	2
	MAJ			6		5, 7									3	2	2	1
	TS														0	0	2	2

Instructions:

- Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the "at-the-controls" (ATC) and "balance-of-plant" (BOP) positions. Instant SROs (SRO-I) must serve in both the SRO and the ATC positions, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position. If an SRO-I *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (\*) Reactivity and normal evolutions may be replaced with additional instrument or component malfunctions on a one-for-one basis.
- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.
- For licensees that use the ATC operator primarily for monitoring plant parameters, the chief examiner may place SRO-I applicants in either the ATC or BOP position to best evaluate the SRO-I in manipulating plant controls.

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		1			2			4			CREW POSITION						
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P		R	I	U
<input type="checkbox"/> RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input checked="" type="checkbox"/> SRO-U 2	RX													0	1	1	0
	NOR	4												1	1	1	1
	I/C	1, 2, 5												3	4	4	2
	MAJ	6												1	2	2	1
	TS	1, 3												2	0	2	2
<input type="checkbox"/> RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-I 2 <input type="checkbox"/> SRO-U	RX				2		2							2	1	1	0
	NOR						1							1	1	1	1
	I/C				5, 7		3, 4, 5							5	4	4	2
	MAJ				6		6							2	2	2	1
	TS						3, 4, 5							3	0	2	2
<input type="checkbox"/> RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-I 3 <input type="checkbox"/> SRO-U	RX							2						1	1	1	0
	NOR			4	1									2	1	1	1
	I/C			1, 2, 7, 8	3, 4, 5				3, 5					9	4	4	2
	MAJ			6	6				6					3	2	2	1
	TS				3, 4									2	0	2	2
<input checked="" type="checkbox"/> RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/> RO 3	RX		4											1	1	1	0
	NOR						1, 2			1, 2				4	1	1	1
	I/C		5				3, 4, 8			4, 7				6	4	4	2
	MAJ		6				6			6				3	2	2	1
	TS													0	0	2	2

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Note: In Scenario 1 the SRO is credited with a normal for the event 4 power change

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		1			3			4			CREW POSITION						
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P		R	I	U
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/> SRO-I 5 <input type="checkbox"/>	RX		4					2						2	1	1	0
	NOR						3	1						2	1	1	1
	I/C		5				1, 2, 4	3, 4, 5						7	4	4	2
	MAJ		6				5, 7	6						4	2	2	1
	TS							3, 4, 5						3	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/> SRO-I 6 <input type="checkbox"/>	RX				3				2					2	1	1	0
	NOR			4										1	1	1	1
	I/C			1, 2, 7, 8	1, 2, 4				3, 5					9	4	4	2
	MAJ			6	5, 7				6					4	2	2	1
	TS				1, 3, 4									3	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/> SRO-I 7 <input type="checkbox"/>	RX	4				3								2	1	1	0
	NOR									1, 2				2	1	1	1
	I/C	1, 2, 5				6, 8				4, 7				7	4	4	2
	MAJ	6				5, 7				6				4	2	2	1
	TS	1, 3												2	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> <input type="checkbox"/> SRO-U <input type="checkbox"/> <input type="checkbox"/>	RX														1	1	0
	NOR														1	1	1
	I/C														4	4	2
	MAJ														2	2	1
	TS														0	2	2
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		CREW P O S I T I O N			CREW P O S I T I O N			CREW P O S I T I O N			CREW P O S I T I O N						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P				
RO <input type="checkbox"/>	RX			3									1	1	1	0	
SRO-I <input type="checkbox"/>	NOR		1, 2										2	1	1	1	
SRO-U <input type="checkbox"/>	I/C		3, 4, 8	1, 2, 4									6	4	4	2	
<input checked="" type="checkbox"/>	MAJ		6	5, 7									3	2	2	1	
SRO-U 3 <input type="checkbox"/>	TS			1, 3, 4									3	0	2	2	
RO <input type="checkbox"/>	RX	2			3								2	1	1	0	
SRO-I <input type="checkbox"/>	NOR	1											1	1	1	1	
<input checked="" type="checkbox"/>	I/C	3, 4, 5			6, 8								5	4	4	2	
SRO-U <input type="checkbox"/>	MAJ	6			5, 7								3	2	2	1	
SRO-I 4 <input type="checkbox"/>	TS	3, 4											2	0	2	2	
RO <input checked="" type="checkbox"/>	RX		2										1	1	1	0	
SRO-I <input type="checkbox"/>	NOR					3							1	1	1	1	
SRO-U <input type="checkbox"/>	I/C		5, 7		1, 2, 4								5	4	4	2	
RO 4 <input type="checkbox"/>	MAJ		6		5, 7								3	2	2	1	
	TS												0	0	2	2	
RO <input type="checkbox"/>	RX													1	1	0	
SRO-I <input type="checkbox"/>	NOR													1	1	1	
SRO-U <input type="checkbox"/>	I/C													4	4	2	
	MAJ													2	2	1	
	TS													0	2	2	

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