

ES-301 Transient and Event Checklist Form ES-301-5

CREW 3

Facility: LaSalle Date of Exam: 10/17/16 Operating Test Number: NRC 15-1

APPLICANT	EVENT TYPE	Scenarios													TOTAL	MINIMUM(*)		
		1			2			3			-							
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		SRO	ATC	BOP	SRO	ATC	BOP	SRO	ATC	BOP	SRO	ATC	BOP	R		I	U	
RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> (3) SRO-U <input type="checkbox"/>	RX	2			4				4						3	1	1	0
	NOR	1			1				-						2	1	1	1
	I/C	4 5 6 8 10			3 6 7 9				5 7						11	4	4	2
	MAJ	9 11			8				6 8						5	2	2	1
	TS	3 7			2 5				-						4	0	2	2
RO <input checked="" type="checkbox"/> (3) SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		2												1	1	1	0
	NOR		-				1								1	1	1	1
	I/C		4 8				3 6								4	4	4	2
	MAJ		9 11				8								3	2	2	1
	TS		-				-								0	0	2	2
RO <input checked="" type="checkbox"/> (2) SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX			-	4										1	1	1	0
	NOR			1			-					1			2	1	1	1
	I/C			5 6		7 9						2 3			6	4	4	2
	MAJ			9 11		8						6 8			5	2	2	1
	TS			-								-			0	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX														1	1	0	
	NOR														1	1	1	
	I/C														4	4	2	
	MAJ														2	2	1	
	TS														0	2	2	

- Instructions:
1. 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 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 Instant SRO *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
 2. 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 1-for-1 basis.
 3. 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.
 4. 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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CREW 4

Facility: LaSalle		Date of Exam: 10/17/16						Operating Test Number: NRC 15-1									
A P P L I C A N T	E V E N T T Y P E	Scenarios															
		1			2			4			-			T O T A L	M I N I M U M (* R I U		
		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				
RO <input type="checkbox"/>	RX	2			4					-				2	1	1	0
<input type="checkbox"/>	NOR	1			-					1				2	1	1	1
SRO-I <input checked="" type="checkbox"/> (6)	I/C	4 5 6 8 10			7 9					3 9				9	4	4	2
SRO-U <input type="checkbox"/>	MAJ	9 11			8					7 8				5	2	2	1
	TS	3 7			-					-				2	0	2	2
RO <input type="checkbox"/>	RX		2		4			2						3	1	1	0
<input type="checkbox"/>	NOR		-		1			1						2	1	1	1
SRO-I <input checked="" type="checkbox"/> (7)	I/C		4 8		3 6 7 9			3 4 5 9						10	4	4	2
SRO-U <input type="checkbox"/>	MAJ		9 11		8			7 8						5	2	2	1
	TS		-		2 5			6						3	0	2	2
RO <input checked="" type="checkbox"/> (5)	RX			-				2						1	1	1	0
<input type="checkbox"/>	NOR			1				1		-				2	1	1	1
SRO-I <input type="checkbox"/>	I/C			5 6				3 6		4 5				6	4	4	2
SRO-U <input type="checkbox"/>	MAJ			9 11				8		7 8				5	2	2	1
	TS			-				-		-				0	0	2	2
RO <input type="checkbox"/>	RX														1	1	0
<input type="checkbox"/>	NOR														1	1	1
SRO-I <input type="checkbox"/>	I/C														4	4	2
SRO-U <input type="checkbox"/>	MAJ														2	2	1
	TS														0	2	2

Instructions:

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2. 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 1-for-1 basis.
3. 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.
4. 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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CREW 6

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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 (*)		
		4			5			7			-							
		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 checked="" type="checkbox"/> (11) SRO-U <input type="checkbox"/>	RX		2		2									2	1	1	0	
	NOR		-		1							2		2	1	1	1	
	I/C		45		3578 10							47		9	4	4	2	
	MAJ		78		9							911		5	2	2	1	
	TS		-		46							-		2	0	2	2	
RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> (12) SRO-U <input type="checkbox"/>	RX	2				2		1						3	1	1	0	
	NOR	1				-		2						2	1	1	1	
	I/C	3459				3810		3457 10						12	4	4	2	
	MAJ	78				9		911						5	2	2	1	
	TS	6				-		68						3	0	2	2	
RO <input checked="" type="checkbox"/> (9) SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX			-				1						1	1	1	0	
	NOR			1			1							2	1	1	1	
	I/C			39			57		35					5	4	4	2	
	MAJ			78			9		911					5	2	2	1	
	TS			-			-		-					0	0	2	2	
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX														1	1	0	
	NOR														1	1	1	
	I/C														4	4	2	
	MAJ														2	2	1	
	TS														0	2	2	

Instructions:

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- 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.
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CREW 7

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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 (*)		
		4			6			7			-							
		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 checked="" type="checkbox"/> (10) SRO-U <input type="checkbox"/>	RX	2			6				1						3	1	1	0
	NOR	1			1				-						2	1	1	1
	I/C	3 4 5 9			2 3 4 7 9				3 5						11	4	4	2
	MAJ	7 8			8 10				9 11						6	2	2	1
	TS	6			5				-						2	0	2	2
RO <input checked="" type="checkbox"/> (7) SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		2												1	1	1	0
	NOR		-						1						1	1	1	1
	I/C		4 5						2 3						4	4	4	2
	MAJ		7 8						8 10						4	2	2	1
	TS		-						-						0	0	2	2
RO <input checked="" type="checkbox"/> (8) SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX			-	6										1	1	1	0
	NOR			1											2	1	1	1
	I/C			3 9		4 7									6	4	4	2
	MAJ			7 8		8 10									6	2	2	1
	TS			-											0	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <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 8

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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 (*)		
		5			6			7			-			R		I	U	
		C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W 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"/> SRO-I <input checked="" type="checkbox"/> (13) SRO-U <input type="checkbox"/>	RX	2			6				1						3	1	1	0
	NOR	1			1				-						2	1	1	1
	I/C	3 5 7 8 10			2 3 4 7 9				3 5						12	4	4	2
	MAJ	9			8 10				9 11						5	2	2	1
	TS	4 6			5				-						3	0	2	2
RO <input checked="" type="checkbox"/> (11) SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		2												1	1	1	0
	NOR		-						1						1	1	1	1
	I/C		3 8 10						2 3						5	4	4	2
	MAJ		9						8 10						3	2	2	1
	TS		-						-						0	0	2	2
RO <input checked="" type="checkbox"/> (10) SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX			-	6								-		1	1	1	0
	NOR			1									2		2	1	1	1
	I/C			5 7		4 7							4 7		6	4	4	2
	MAJ			9		8 10							9 11		5	2	2	1
	TS			-									-		0	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <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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