

ES-301

Transient and Event Checklist

Form ES-301-5

Crew A: SRO-I: Welt, RO: Mesa, RO: Hazen

Facility: Byron		Date of Exam: 9/27/2010		Operating Test No.: 2010 NRC												
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 (*)		
		1 (10-1)			2 (10-3)			3 (10-5)			4					
		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	R	I
	Welt	Mesa	Hazen	Welt	Hazen	Mesa		Welt	Hazen							
RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX	5						3					2	1	1	0
	NOR	1			1								2	1	1	1
	I/C	2-5			2-5			2,6					10	4	4	2
	MAJ	7			7			7					3	2	2	1
	TS	4,6			3,6								4	0	2	2
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		6										1	1	1	0
	NOR					1							1	1	1	1
	I/C		2,4			2,4							4	4	4	2
	MAJ		7			7							2	2	2	1
	TS													0	2	2
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX				2								1	1	1	0
	NOR			1					1				2	1	1	1
	I/C			3,5		3,5			4,5				6	4	4	2
	MAJ			7		7			7				3	2	2	1
	TS													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.

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Crew B: SRO-I: Kling, RO: Wilson, SRO-I: Beaty

Facility: Byron		Date of Exam: 9/27/2010		Operating Test No.: 2010 NRC												
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 (*)		
		1 (10-1)			2 (10-3)			3 (10-5)			4					
		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	R	I
RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX	5							3				2	1	1	0
	NOR	1			1								2	1	1	1
	I/C	2-5			2-5				2,6				10	4	4	2
	MAJ	7			7				7				3	2	2	1
	TS	4,6			3,6								4	0	2	2
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		6										1	1	1	0
	NOR					1				1			2	1	1	1
	I/C		2,4			2,4			4,5				6	4	4	2
	MAJ		7			7			7				3	2	2	1
	TS													0	2	2
RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX				2			3					2	1	1	0
	NOR			1				1					2	1	1	1
	I/C			3,5		3,5		2,3-6					9	4	4	2
	MAJ			7		7		7					3	2	2	1
	TS							2-6					5	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.

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Crew C: SRO-I: McGuire, RO: Finocchio, RO: Coester

Facility: Byron		Date of Exam: 9/27/2010		Operating Test No.: 2010 NRC													
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 (*)		
		1 (10-1)			2 (10-3)			3 (10-5)			4						
		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		R	I	U
	McG uire	Finoc chio	Coe ster	McG uire	Coe ster	Finoc chio		McG uire	Coe ster								
RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX	5						3					2	1	1	0	
	NOR	1			1								2	1	1	1	
	I/C	2-5			2-5			2,6					10	4	4	2	
	MAJ	7			7			7					3	2	2	1	
	TS	4,6			3,6								4	0	2	2	
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		6										1	1	1	0	
	NOR					1							1	1	1	1	
	I/C		2,4			2,4							4	4	4	2	
	MAJ		7			7							2	2	2	1	
	TS													0	2	2	
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX				2								1	1	1	0	
	NOR			1					1				2	1	1	1	
	I/C			3,5		3,5			4,5				6	4	4	2	
	MAJ			7		7			7				3	2	2	1	
	TS													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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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.

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Crew D: SRO-U: Comerford, SRO-I: McBreen, RO: Houck

Facility: Byron		Date of Exam: 9/27/2010						Operating Test No.: 2010 NRC									
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 (*)		
		1 (10-2)			2 (10-4)			3			4						
		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		R	I	U
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input checked="" type="checkbox"/>	RX	1											1	1	1	0	
	NOR	2					1						2	1	1	1	
	I/C	3-6					3,5						6	4	4	2	
	MAJ	7					7						2	2	2	1	
	TS	4,5											2	0	2	2	
RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX		1										1	1	1	0	
	NOR				1								1	1	1	1	
	I/C		3,5		2-5								6	4	4	2	
	MAJ		7		7								2	2	2	1	
	TS				2,4								2	0	2	2	
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX					5							1	1	1	0	
	NOR			2									1	1	1	1	
	I/C			4,6		2,4							4	4	4	2	
	MAJ			7		7							2	2	2	1	
	TS													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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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.

Crew E: SRO-I: Berger, RO: Moser

Facility: Byron		Date of Exam: 9/27/2010			Operating Test No.: 2010 NRC											
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 (*)		
		1 (10-2)			2 (10-4)			3			4					
		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	R	I
RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX	1			5								2	1	1	0
	NOR	2											1	1	1	1
	I/C	3-6			2,4								6	4	4	2
	MAJ	7			7								2	2	2	1
	TS	4,5											2	0	2	2
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		1										1	1	1	0
	NOR					1							1	1	1	1
	I/C		3,5			3,5							4	4	4	2
	MAJ		7			7							2	2	2	1
	TS													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
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.

Crew F: SRO-I: Sanford, RO: Moreno

Facility: Byron		Date of Exam: 9/27/2010			Operating Test No.: 2010 NRC											
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 (*)		
		1 (10-2)			2 (10-4)			3			4					
		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	R	I
RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX	1			5								2	1	1	0
	NOR	2											1	1	1	1
	I/C	3-6			2,4								6	4	4	2
	MAJ	7			7								2	2	2	1
	TS	4,5											2	0	2	2
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		1										1	1	1	0
	NOR					1							1	1	1	1
	I/C		3,5			3,5							4	4	4	2
	MAJ		7			7							2	2	2	1
	TS													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
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.
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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.