

KEWAUNEE
INITIAL LICENSE EXAM

DECEMBER 11 THRU 20, 2000

Form ES-301-4, "Simulator Scenario
Quality Checklist"

Facility:	Kewaunee	Date of Exam:	12/11/2000	Scenario Numbers:	1 / 2 / 3 / 4	Operating Test No.:	1		
QUALITATIVE ATTRIBUTES						Initials			
						a	b	c	
1.	The initial conditions are realistic, in that some equipment and/or instrumentation may be out of service, but it does not cue the operators into expected events.					LSB	YH	DM	
2.	The scenarios consist mostly of related events.					LSB	YH	DM	
3.	Each event description consists of · the point in the scenario when it is to be initiated · the malfunction(s) that are entered to initiate the event · the symptoms/cues that will be visible to the crew · the expected operator actions (by shift position) · the event termination point (if applicable)					LSB	YH	DM	
4.	No more than one non-mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.					LSB	YH	DM	
5.	The events are valid with regard to physics and thermodynamics.					LSB	YH	DM	
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.					LSB	YH	DM	
7.	If time compression techniques are used, the scenario summary clearly so indicates. Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.					LSB	YH	DM	
8.	The simulator modeling is not altered.					LSB	YH	DM	
9.	The scenarios have been validated. Any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.					LSB	YH	DM	
10.	Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been modified in accordance with Section D.4 of ES-301.					LSB	YH	DM	
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).					LSB	YH	DM	
12.	Each applicant will be significantly involved in the minimum number of transients and events specified on Form ES-301-5 (submit the form along with the simulator scenarios).					LSB	YH	DM	
14.	The level of difficulty is appropriate to support licensing decisions for each crew position.					LSB	YH	DM	
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)						Actual Attributes			
1.	Total malfunctions (5-8)					6/6/6/6	LSB	YH	DM
2.	Malfunctions after EOP entry (1-2)					1/2/1/1	LSB	YH	DM
3.	Abnormal events (2-4)					3/3/4/2	LSB	YH	DM
4.	Major transients (1-2)					1/1/2/1	LSB	YH	DM
5.	EOPs entered/requiring substantive actions (1-2)					2/2/3/2	LSB	YH	DM
6.	EOP contingencies requiring substantive actions (0-2)					2/0/0/0	LSB	YH	DM
7.	Critical tasks (2-3)					3/5/2/5(2)	LSB	YH	DM

DRP
12/11/00