

DRAFT OUTLINE COMMENTS

Facility: FC

First Exam Date: Sep 17, 2010

Written Exam Outline (7/12/10)		
	Comment	Resolution
1	Revision number should be at the page level – therefore each page should contain a rev number (could put Rev number in header or footer).	Will do.
2	Is the value of the printout of KAs that are listed in forms 401-2/3 the question number? Will these stay the same throughout the development process?	Yes. Yes.
3	SRO – Tier 2/Group 1: Sys: 062 AC Electrical Distrib, KA 2.4.1 – Knowledge of EOP entry conditions and immediate action steps appears to be an RO KA.	Will review. If necessary, another KA will be selected.

Administrative JPM Outline (7/12/10)		
	Comment	Resolution
1	Reminder to submit original JPMs for those indicated as Modified.	Okay.
2	ES-301-1, Type Code: identify whether C, S, or R	Will update ES-301-1. All will be Class(R)oom

Control Room / In-Plant System JPM Outline (7/12/10)		
	Comment	Resolution
1	Are JPMs being developed to run concurrently as identified in the schedule? (S1/S2, S3/S4, S5/S6, S7/S8)	Anticipate 3 JPM pairs, two single. Will incorporate into revised schedule.
2	KA and IR for S8 missing fm 301-2 form?	Will add to form.

Simulator Scenario Outline Comments

(7/12/10)

	Comment	Resolution
1	Scen 1: Turnover – what is a flow streaming event?	Stratification in core mixing such that T _{hot} indications diverge. Replaced event with a chemistry event. Will consider an I/C event to preclude OP-5 overlap with other scenarios.
2	Scen 1: Event 3 – what verifiable action(s) are performed by the BOP?	Start additional aux fans.
3	Scen 1: Event 8 – does the LOOP lead to loss of vital bus or other complication?	Takes away the condenser therefore altering steaming path (atmospheric dumps). Both diesels start/load. Will look at complications with diesels.
4	Scen 1: Event 6 – How is the bus fault a Normal evolution for the ATCO?	Will evaluate replacing this event with two I/C events.
5	Scen 1: What is the malfunction after EOP entry?	LOOP.
6	Scen 1: What are the EOP contingencies requiring substantive actions?	None. Will update Target Quantitative Attributes (TQA) table.
7	Scen 2: Event 3 – which direction does the channel fail?	Power supply fails, therefore channel will fail low.
8	Scen 2: What are the two malfunctions after EOP entry?	Will change TQA table to 1.
9	Scen 2: What are the EOP contingencies requiring substantive actions?	None. Will change TQA table to 0.
10	Scen 2: What are the 4 AOPs entered?	Events 3, 4, 5. Will change TQA table to 3.
11	Scen 3: What are the 7 malfunctions?	Will revise to include DG2 failure, LOOP to SBO.
12	Scen 3: Event 4 – what direction does channel fail?	Low
13	Scen 3: What are the two malfunctions after EOP entry?	Will update with LOOP/SBO
14	Scen 3: What is the EOP contingency procedure?	Will update with LOOP/SBO
15	Scen 3: Event 6 – what initiates turb trip / reactor trip?	EHC failure
16	Scen 4: Event 3 – What system is FW?	Main Feedwater – 3 electrical pumps
17	Scen 4: Event 8 – what is TCV-909-2?	Steam Dump valve
18	Scen 4: Total malfunctions 7 or 8?	7 – will remove Event 4 since overlap with JPM S3
19	Scen 4: Major transients 2 or 1?	1 – will update TQA table
20	Scen 4: What is EOP entered after SPTA's?	EOP-5, ESD
21	Scen 4: What are 2 contingency procedures?	0 – will update TQA table

General Outline Comments		
(Date)		
Comment	Resolution	
1	Schedule submitted should be marked Rev 0.	Will do.
2	Unable to assess Critical Tasks. For Draft Exam submittal, ensure all CT's meet the requirements of Appendix D, D.1. and have objective success criteria.	Will do.
3	Very thorough outline submittal. One suggested improvement – cross reference of written exam KA's to 55.41/43 and op test KA's to 55.45. This would provide objective evidence for 4.b on Exam Outline Quality Checklist (ES-201-2).	Will consider for next exam.
4	Another suggestion – provide simulator scenario narratives	Will consider for next exam.