

## ANO Unit 2 2023-03 Draft Operating Test Comments

NOTE: This summary is being provided in lieu of Form 2.3-3, "Operating Test Review Worksheet," because the licensee's operating test submittal was reviewed and overall deemed SATISFACTORY.

### Scenario 1:

- Add page numbers (generic comment)
  - added page numbers to Scen 1
- Delete second (f) in Event 1
  - deleted repeat step in event 1
- Event 2 – second cue 2B-64 (not 54)
  - corrected breaker designation from 54 to 64
- Events 3 and 4 are one event
  - combined events 3&4 and re-numbered
- Only one MC on main event; add additional MC for letdown control in event 5
  - removed MC from event 5 for ATC, added ATC MC for letdown control (now event 4 after combining previous two events)
- Add cooldown steps in main event
  - Added Exhibit 3 steps for initiating a cooldown using SDBCS.
- Ensure 2<sup>nd</sup> TS call accurate (action C)
  - corrected leakage TS call from B to C
- Updated Event 4 section for restoration of letdown from normal procedure section to standard attachment 59.
- added flow chart for steam dump control to main event

### Scenario 2:

- Event 3 should be A5 channel B in first block
  - corrected expected annunciator from A4 to A5 in event 3, corrected 2PT-1041-1 to 2PT-1041-2
- TS 3.3.3.5 does NOT apply
  - deleted T.S. 3.3.3.5 from expected T.S. entries
- Page 37 – add step for RCP's
  - added step from loss of feed water EOP to secure all RCPs
- Page 39 – add step 10 of attachment 55 (delete 9)
  - changed steps for feeding through A EFW header to B EFW header for attachment 55
- Added steps for performing a blended Attachment R shutdown in case this option is chosen for event 5.

### Scenario 3:

- Event 5 – SGTL is in B SG
  - corrected leaking steam generator to B in event 5 description
- Event 6 – start one HPSI pump – add note that swing pump may be started
  - added note above CT-2 reference that crew may elect to start standby HPSI pump rather than starting A/B HPSI pumps which failed to start automatically.
- Terminate scenario when order given to outside operator to isolate B SG
  - updated termination criteria to include giving the order to field operator to perform local isolation of the B SG
- added page numbers
- added steps for reducing turbine load to event 4

### Scenario 4: N/A

### JPM S1

- Change validation time to 10 minutes
  - validation time changed from 7 minutes to 10 minutes
- Ensure all JPMs have alt path/time critical info on cover page (generic comment)
  - added alternate path/time critical line to cover page
- fixed step numbers which were off

### JPM S-2

- Not really alt path (RO only; RO's had one extra alt path, so it doesn't matter)
  - JPM has two steps, first to evaluate HPSI termination criteria and if satisfactory and, if determined satisfactory, move on to step for terminating LPSI pumps. As alternate path, RO evaluates HPSI termination criteria and determines that throttling criteria is not met and has to perform contingency actions to realign the system. Alternate path due to evaluating unexpected system response, differs from normal success path, and requires analyzing IC to determine that realigning the system is required.

### JPM S-3

- 2202 should be 2203 in all instances
  - corrected procedure references from 2202 to 2203
- Initiating cue 008 should be 018
  - corrected procedure references from 2203.008 to 2203.018
- updated step numbers which were off
- added note to step 1 which states that 2P-89C is already in PTL and is not critical

#### JPM S-4

- Add cue in 6 (same as 5)
  - added cue following opening ECP sluice gate opened that bay level stable to step 6
- added alternate path/time critical line to cover page

#### JPM S-5

- Add cue after step 4 that another operator will perform attachment 48 (next step hand attachment 41)
  - added step and cue for performing attachment 48
  - re-numbered steps due to added step for above
  - added note for handing out attachment 41
  - corrected note for alternate path steps with new step numbers

#### JPM S-6

- Steps 2 and 4 are not critical
  - removed critical designation from steps 2 and 4 for synch switch checks
  - updated task standard to remove above steps
- added alternate path/time critical line to cover page
- Step 3 change 200 to 100
  - corrected 200 to 100 volts on step 3

#### JPM S-7

- No comments

#### JPM S-8

- Page 4 2109-U should be 2094-Q
  - corrected pre-fire plan number to 2094-Q
- added alternate path/time critical line to cover page

### JPM P-1

- Ensure alt path appropriately cued
  - added note before alternate path step for cueing
- Script as a “two-part” JPM; A – Verify EFW and B – reset valve (mockup)
  - added part one to JPM to status 2P-7A/B following automatic start
  - added two new critical steps to status both EFW pumps for part one and updated task standard
  - split JPM cues into Part 1 and Part 2
- added alternate path/time critical line to cover page

### JPM P-2

- Add light indications in cues
  - added expected light indications for closing breaker cues on step 2
- added alternate path/time critical line to cover page

### JPM P-3

- Ensure drawing handouts match their specific steps
  - removed previous picture 3 and updated picture numbers to help facilitate cues
  - added pictures 1-3 to examiner checklist for steps when they are cued
- added pictures to in examiner checklist steps 1 and 7 to help facilitate cues for examiner
- added alternate path/time critical line to cover page
- Enhance cues for breaker position and lights
  - enhanced expected cue for opening disconnect switch on step 10

### JPM RA-1:

- No comments
- added alternate path/time critical line to cover page

### JPM RA-2:

- Add Unit 2 before CR in answer
  - added unit 2 to cue lines at answer prompt

JPM RA-3:

- No comments
- added alternate path/time critical line to cover page

JPM RA-4:

- No comments

JPM SA-5:

- Add that inflated boots are installed in initial conditions
  - added inflated to initial conditions for cask loading pit and tilt pit gates
- added direction to circle any errors to initiating cue
- changed JPM title from SFPMU2 to SFPMU3 to ensure no confusion with A1 JPM titled SFPMU2 updated admin outline to match.

JPM SA-6:

- Add integrated risk after answer blank
  - adjusted initiating cue answer blanks and included integrated risk level after blank
  - bolded determine integrated risk in cue stem
- Add “pump” to initial conditions third bullet
  - clarified pump fitting in third bullet

JPM SA-7:

- No comments
- added alternate path/time critical line to cover page
- ensured initial conditions matched on Examiners cue copy and Examinee’s cue copy

JPM SA-8:

- Ask answer only once on second page
  - removed two questions from bottom of page 1 so that they are only on sheet 2.

JPM SA-9:

- Add wall chart for reference
  - added wall chart for reference