2020 DCC Initial Operator Examination
Op-Test Outline Review Comments

[Facility responses indicated by "red" text.]

I. Administrative Topics JPMs (ES-301-1)

A. RO

1. The "Conduct of Operations" and "Equipment Control" JPMs all involve performance of a surveillance procedure.

a) *Calculate QPTR Surveillance* Moved to equipment Control as this is a surveillance. KA 2.2.12

(1) Identified K/A is not from Section 2 of the K/A catalog.

(2) Explain how performance of the QPTR surveillance "evaluates the applicant's knowledge of the daily operation of the facility."

(3) Explain why this JPM isn't testing the same K/As (2.1.7, 2.2.12) as performing the Controlled Leakage Verification Test or Valve Stroke Time Test.

b) *Perform Controlled Leakage Verification Test* Replaced with a Boration calculation. KA 2.1.25

(1) Explain how performance of Controlled Leakage Verification Test "evaluates the applicant's knowledge of the daily operation of the facility."

(2) Explain why this JPM isn't testing the same K/A (2.2.12) as performing the Valve Stroke Time Test.

c) *Complete Valve Stroke Test* Tied to KA 2.1.25 as they use a table to find data to complete a worksheet used to perform a valve stroke (stroke is not part of JPM)

(1) Explain why this JPM isn't testing the same K/A (2.1.7) as performing the Controlled Leakage Verification Test.

d) *If these are to be performed, how can they be performed in the classroom?* Candidates are given data via tables or figures to complete paperwork preparation.

2. Explain why the selected task is an "Administrative Topics" JPM and not a "Control Room Systems" JPM. This involves filling out paperwork for the failed channel and using the PPC to remove the channel from operation.

a) *This is identified as "New." Explain how it is different from the A3 JPM administered in the 2016 exam.* 2016 involved responding to a radiation alarm due to tube leakage involving graphing the readings. This year a radiation monitor channel has failed and needs to be removed from service.

B. SRO

1. The "Conduct of Operations" and "Equipment Control" JPMs all appear to be reviews of completed surveillance procedures. See corrections made for RO

JPM's. SRO will review the tasks completed for Conduct of Ops and Equipment Control in RO section. They will be provided previously completed forms, not the actual RO completed forms.

a) *Review QPTR Surveillance*

(1) Identified K/A is not from Section 2 of the K/A catalog.

(2) Explain how review of the QPTR surveillance "evaluates the applicant's knowledge of the daily operation of the facility."

(3) Explain why this JPM isn't testing the same K/As (2.1.7, 2.2.12) as reviewing the Controlled Leakage Verification Test or Valve Stroke Time Test.

b) *Review Controlled Leakage Verification Test*

(1) Explain how review of Controlled Leakage Verification Test "evaluates the applicant's knowledge of the daily operation of the facility."

(2) Explain why this JPM isn't testing the same K/A (2.2.12) as reviewing the Valve Stroke Time Test.

c) *Review Valve Stroke Test*

(1) Explain why this JPM isn't testing the same K/A (2.1.7) as reviewing the Controlled Leakage Verification Test.

2. The selected task for the "Emergency Plan" JPM does NOT "evaluate the applicant's knowledge of the facility's Emergency Plan." Making a new JPM that will put them in a previous EAL which has just been upgraded making them develop a PAR.

II. Systems JPMs (ES-301-2)

A. Sim 'a' -- Explain how this differs from Sim 1 on the 2018 exam 2018 performed steps of ES-0.1 RNO and boration was via the blender. This borates via the RWST flowpath using steps from a NOP.

B. Sim 'd' – Explain how this differs from Sim 5 on the 2016 exam 2016 was a MFP operation where this is the TDAFW pump.

III. Simulator Scenarios

A. Scenario 1

1. Event 2 – Change description to "Commence Reactor Power Increase to 100%" or simply "Raise Power" (power will not reach 100%). UPDATED

2. Events 8-10 – Change BOP and ATC to CREW unless specific credit is to be assigned to a given position. UPDATED

3. Event 9 – Spell out (W)est UPDATED

B. Scenario 2

1. How are the IR failure and inadvertent FW isolation related? If they are not related, then remove one. UPDATED

2. Why isn't the failure to scram simply part of the Major? UPDATED

3. Events 8 and 9 – Change BOP and ATC to CREW unless specific credit is to be assigned to a given position. UPDATED

C. Scenario 3

1. Scenario 3 modifications don't appear to be significant

a) Did not consider the normal to be significant to scenario outcome.

b) Explain how response to T_c Inst failure is significantly different to a T_h Inst failure. Both require the ATC operator to place rod control in MANUAL. Will change scenario major event to Steam Break outside containment with failures that will put them in ECA-2.1.

2. Event 2 – Change description to "Commence Reactor Power Increase to 100%" or simply "Raise Power" (power will not reach 100%). UPDATED

3. Events 8-10 – Change BOP and ATC to CREW unless specific credit is to be assigned to a given position. UPDATED

D. Scenario 4, Event

1. Event 6 – Describe how the response to the event is significantly different from the D/P controller failure in the 2016 Exam Scenario 1, Event 5. Response is much faster in this event so crew has the potential for plant trip is misdiagnosed.

2. Event 2 – Change description to "Commence Reactor Power Reduction to 90%" or simply "Reduce Power" (power may not reach 90% unless necessary to support subsequent events). UPDATED

3. Events 8 and 9 – Change BOP and ATC to CREW unless specific credit is to be assigned to a given position. UPDATED

E. Scenario 5

1. Remove Event 2 since response to Event 3 contains reactivity changes. ES-301-5 will need to be adjusted. UPDATED

2. Events 4 and 5 appear to be part of Event 3 response and are not separate events. Incorporate Event descriptions into Event 3 description and renumber subsequent events. UPDATED

IV. Other (ES-301-5)

A. ES-301-5 for Crew 4

1. SRO for Scenario 3 should have 4 I/C UPDATED

B. ES-301-5 for Crews 2, 3, and 5

1. SROs for Scenario 2 should have 3 TS events according to D1 D1 CORRECTED