

Job Performance Measure "J"

Facility: **Vogtle**

Task No: V-LO-TA-60047 Establish Local Control of 1E Switchgears

Task Title: Align local controls per 18038-2.

JPM No: V-NRC-JP-18038-HL17

K/A Reference: 068AA1.21 RO 3.9 SRO 4.1

Examinee: _____ NRC Examiner: _____

Facility Evaluator: _____ Date: _____

Method of testing:

Simulated Performance _____ Actual Performance _____

Classroom _____ Simulator _____ Plant _____

NOTE to the Examiner: This JPM should begin at the Unit 2 Shutdown Panel A.

Read to the examinee:

I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

Initial Conditions: Unit 2 Control Room has been evacuated due to a fire and the crew is performing 18038-2, "Operation From Remote Shutdown Panels."

The crew is at minimum shift manning.


You are the operator at Shutdown Panel A.

The Safe Shutdown SO is manning Shutdown Panel C.

The SS is manning Shutdown Panel B.

Local control is established at all Shutdown Panels.

Initiating Cue: The SS has directed you to: "Perform steps 17 through 19 of AOP 18038-2."

 **Task Standard:** All Transfer switches on 2AA02 and 2BA03 placed in LOCAL, stop RCPs and isolate letdown when no ACCW pump is running.

Required Materials: 18038-2, "Operation From Remote Shutdown Panels" Ver 25.2

General References: None

Time Critical Task: No

Validation Time: 20 minutes



Performance Information

Critical steps denoted with an asterisk and bolded.

***Step 17. Place all transfer switches on 2AA02-00 (CB-A16) to LOCAL.**

Note to the Examiner: All handswitch lights will be off. Candidate may place switches in local in any order. The order listed below is top to bottom, left to right.

Standard: Candidate aligns switches (turns handle clockwise) and verifies associated breaker control switch indications illuminate as follows:

HS-2AA0219B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2AA0219A GREEN light ON.”**

HS-2AA0205B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2AA0205A RED light ON.”**

HS-2AA0201B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2AA0201A GREEN light ON.”**

HS-2AA0210B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2AA0210A RED light ON.”**

HS-2AA0220B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2AA0220A RED light ON.”**

HS-2AA0221B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2AA0221A RED light ON.”**

HS-2AA0222B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2AA0222A RED light ON.”**

Comment:

***Step 18. Place all transfer switches on 2BA03-00 (CB-A15) to LOCAL.**

Note to the Examiner: All handswitch lights will be off. Candidate may place switches in local in any order. The order listed below is top to bottom, left to right.

Standard: Candidate aligns switches (turns handle clockwise) and verifies associated breaker control switch indications illuminate as follows:

HS-2BA0319B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2BA0319A GREEN light ON.”**

HS-2BA0301B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2BA0301A RED light ON.”**

HS-2BA0305B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2BA0305A GREEN light ON.”**

HS-2BA0304B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2BA0304A RED light ON.”**

HS-2BA0306B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2BA0306A RED light ON.”**

HS-2BA0309B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2BA0309A RED light ON.”**

HS-2BA0318B placed in LOCAL.

**Cue: When done, provide,
“Handswitch HS-2BA0318A RED light ON.”**

Comment:

Note to the Examiner: The control switches on the front of the breaker cubicles provide breaker indication only. It has control function only with the breaker in the TEST position.

Step 19 Verify at least one ACCW Pump RUNNING (approximately 62 amps):

2AA02-15

-OR-

2BA03-20

Cue: When the candidate states he/she is looking at the ammeter on 2AA02 cubicle 15, indicate 0 amps.

Cue: When the candidate states he/she is looking at the ammeter on 2BA03 cubicle 20, indicate 0 amps.

Cue: If candidate looks at cubicle breaker test switch lights, Provide, "RED light OFF GREEN light ON."

Cue: If candidate attempts to close either breaker using the cubicle breaker test switch, provide, "nothing happened."

Standard: The candidate determines no ACCW pumps running and goes to RNO of step 19.

Comment:

***Step 19 RNO a. Stop all RCPs**

NOTE to examiner: All transfer switches will be in LOCAL and flags matched with component status. This was done in previous steps of 18038-2 per initial conditions.

Standard: The candidate returns to Shutdown Panel A and stops RCPs 1 and 4 by:

**Cue: When asked about RCP handswitch indications before manipulation, 2HS-495F and 2HS-495D (RCP #1), provide
“RED light ON, GREEN light OFF.”**

Placing 2HS-495D (Non 1E HS) and/or 2HS-495F (1E HS) for RCP 1 to STOP and release.

RED lights - OFF
GREEN lights - ON

**Cue: When asked about RCP handswitch indications after manipulation, 2HS-495F and 2HS-495D (RCP #1), provide
“RED light OFF, GREEN light ON.”**

**Cue: When asked about RCP handswitch indications before manipulation, 2HS-498F and 2HS-498D (RCP #4), provide
“RED light ON, GREEN light OFF.”**

Placing 2HS-498D (Non 1E HS) and/or 2HS-498F (1E HS) for RCP 4 to STOP and release.

RED lights - OFF
GREEN lights - ON

**Cue: When asked about RCP handswitch indications after manipulation, 2HS-498F and 2HS-498D (RCP #4), provide
“RED light OFF, GREEN light ON.”**

Standard: Contacts SS at Shutdown Panel B to have RCPs 2 and 3 stopped.

**Cue: If candidate goes to Shutdown Panel B provide,
“The SS is operating this Shutdown panel, what do you need?”**

Cue: When SS is contacted and told to stop RCPs 2 and 3 provide, “RCPs 2 and 3 are stopped.”

Comment:

***Step 19 RNO b. Isolate letdown by closing LETDOWN ISOLATION VLV
UPSTREAM 2-LV-460 (Shutdown Panel A) and LETDOWN
ISOLATION VLV DOWNSTREAM 2-LV-459 (Shutdown Panel A.)**

Standard: The candidate is at Shutdown Panel A and isolates letdown by closing at least one of the following valves:

**Cue: When asked about 2HS-459B and 2HS-460B
handswitches indication before manipulation, provide
“RED lights ON, GREEN lights OFF.”**

Placing 2HS-459B to CLOSE
RED light - OFF
GREEN light - ON

**Cue: When asked about handswitch 2HS-459B indication,
after switch taken to CLOSE, provide
“RED light OFF, GREEN light ON.”**

Placing 2HS-460B to CLOSE
RED lights-OFF
GREEN lights-ON

**Cue: When asked about 2HS-460B handswitch indication,
after switch taken to CLOSE, provide
“RED light OFF, GREEN light ON.”**

Comment:

Terminating Cue: The Candidate returns initiating cue sheet.

Verification of Completion

Job Performance Measure No. V-NRC-JP-18038-HL17

Examinee's Name:

Examiner's Name:

Date Performed:

Number of Attempts:

Time to Complete:

Question Documentation:

Question: _____

Response: _____

Result: Satisfactory/Unsatisfactory

Examiner's signature and date: _____

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The SS is manning Shutdown Panel B.

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Initiating Cue: The SS has directed you to: "Perform steps 17 through 19 of AOP 18038-2."