

Exelon Nuclear

Job Performance Measure

Approve the Unit One Electrical Distribution Breaker and Voltage Verification Surveillance

JPM Number: 2014 ILT NRC JPM SRO Admin 2

Revision Number: 00

Date: 10/22/2013

Developed By:	_____	_____
	Instructor	Date
Validated By:	_____	_____
	SME or Instructor	Date
Reviewed By:	_____	_____
	Operations Representative	Date
Approved By:	_____	_____
	Training Department	Date

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
Prior to JPM usage, revalidate JPM using steps 9 and 13 below.

- _____ 1. Task description and number, JPM description and number are identified.
- _____ 2. Knowledge and Abilities (K/A) references are included.
- _____ 3. Performance location specified. (in-plant, control room, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) are properly identified.
- _____ 6. Task standards identified and verified by SME review.
- _____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).
- _____ 8. If an alternate path is used, the task standard contains criteria for successful completion.
- _____ 9. Verify the procedure(s) referenced by this JPM reflects the current revision:
 Procedure QCOS 0005-08 Rev: 31
 Procedure _____ Rev: _____
 Procedure _____ Rev: _____
- _____ 10. Verify cues both verbal and visual are free of conflict.
- _____ 11. Verify performance time is accurate
- _____ 12. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 13. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

SME / Instructor	Date
SME / Instructor	Date
SME / Instructor	Date

Revision Record (Summary)

Revision 00, Renamed JPM to 2014 ILT NRC JPM SRO Admin 2. Restarted numbering accordingly.

Previous revision was:

Modified from Dresden ILT 2008 NRC Exam. JPM renamed to SRO-028-I.

SETUP INSTRUCTIONS

1. No simulator setup is required
2. Prepare a copy of QCOS 0005-08 as follows:
 - Step D.1.a. Check “Normal Surveillance”.
 - Step D.1.b. Sign as Unit Supervisor and write in “current” for date and time.
 - Step D.2 Record “one” for Operational Mode.
 - Step H.1.a enter “2” for 345KV Lines available.
 - Sign off all H.1 steps except for H.1.c.(1) and H.1.h.(2).
 - For step H.1.i, sign off H.1.i.(2) only.
 - For step H.1.m, sign off H.1.m.(1) only.
 - Step H.2 is N/A.
 - Sign off step H.3.(a) and (b).
 - Step H.3.c is N/A.
 - Sign off all steps of Attachments D, except step 1.a.(3) which is N/A.
 - Sign off all steps of Attachment E except for step 1.a.(2) and 2.a.(2), indicate N/A.
3. This completes the setup for this JPM.



SRO Admin 2 QCOS
0005-08, Rev 031, UI

INITIAL CONDITIONS

- You are the Unit 1 Control Room Supervisor.
- Unit 1 is operating at rated power with a normal electric plant lineup.
- Unit 2 is currently at 300 psig and lowering with a shutdown in progress for a weekend outage.
- QCOS 0005-08, Unit One Electrical Distribution Breaker and Voltage Verification, was completed last shift by the Admin NSO and is ready for review.
- Lines 0401 and 0403 are Out of Service.
- Transformer 12 Load Tap Changer (LTC) is in automatic with the Tap Setting at 9.
- Switchyard voltage is presently at 353 KV.
- Notification from Transmission has been received that the Predicted Post Unit Trip switchyard voltage is low at 345.2 KV.
- This JPM is NOT time critical.

INITIATING CUE

QCOS 0005-08, Unit One Electrical Distribution Breaker and Voltage Verification surveillance has been submitted for your review. Perform the review.

{When candidate acknowledges the cue, provide the candidate with the QCOS 0005-08 for review}

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

- * Denotes critical steps.
- Denotes critical elements of a critical step.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM.

Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the

candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

.....

JPM Start Time: _____

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
EVALUATOR NOTE: The examinee reviews the surveillance and identifies the two problems listed below:					
*Step H.1.a	•Verify the number of offsite lines available.•	From the “Initial Conditions”, offsite lines 0401 and 0403 are OOS. Per Attachment A, only <u>ONE</u> offsite line is available. Procedure acceptance criteria for Mode 1 operation is <u>NOT</u> met.	—	—	—
CUE:	As Shift Manager, acknowledge the report of only one offsite line available and state that you “will review Technical Specifications for the Required Actions.”				
*Attachment E Step 1.a.(2)	• <u>If</u> Unit 2 is in Modes 1, 2, or 3, <u>then</u> verify EMERGENCY SOURCE ACCEPTED red light is lit on U2 ESS ABT.•	From “Initial Conditions” with RPV pressure at 300 psig, Unit 2 is in <u>Mode 3</u> . Determines Attachment E, step 1.a.(2) <u>must</u> be performed. Determines Attachment E, step 1.a.(3) is N/A.	—	—	—
CUE:	If the examinee dispatches an EO to perform Attachment E step 1.a.(2), then as EO report from the Aux Electric Room that : “the EMERGENCY SOURCE ACCEPTED red light is lit on the Unit 2 ESS ABT.”				
EVALUATOR NOTE: The examinee should inform you that the Acceptance Criteria is NOT met and the surveillance is NOT approved. The task is complete.					

JPM Stop Time: _____

JPM SUMMARY

Operator's Name: _____ **Job Title:** ☐ EO ☐ RO ☒ SRO ☐ FS
☐ STA/IA ☐ SRO Cert

JPM Title: Review and Approve the Unit One Electrical Breaker and Voltage Verification Surveillance.

JPM Number: 2014 ILT NRC JPM SRO Admin 2 **Revision Number:** 00

Task Number and Title:

SR-6500-K32 (Freq: LIC=B) Given 4KV / 480 VAC Distribution Systems operability status OR key parameter indications, various plant conditions and a copy of Tech Specs, DETERMINE Tech Spec compliance and required actions, if any.

K/A Number and Importance: **KA:** 2.1.25 **Rating:** SRO 4.2

Ability to interpret reference materials, such as graphs, curves, tables, etc.

Suggested Testing Environment: Simulator

Alternate Path: ☐ Yes ☒ No **SRO Only:** ☒ Yes ☐ No **Time Critical:** ☐ Yes ☒ No

Reference(s): QCOS 0005-08, Rev. 31, Unit One Electrical Distribution Breaker and Voltage Verification

Actual Testing Environment: ☒ Simulator ☐ Control Room ☐ In-Plant ☐ Other

Testing Method: ☐ Simulate ☒ Perform

Estimated Time to Complete: 12 minutes **Actual Time Used:** _____ minutes

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ No

The operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory

Comments: _____

Evaluator's Name: _____ (Print)

Evaluator's Signature: _____ **Date:** _____

[If this page is an odd numbered page, a blank page is automatically generated after this page to keep the student cue sheet separate from this page]

INITIAL CONDITIONS

- You are the Unit 1 Control Room Supervisor.
- Unit 1 is operating at rated power with a normal electric plant lineup.
- Unit 2 is currently at 300 psig and lowering with a shutdown in progress for a weekend outage.
- QCOS 0005-08, Unit One Electrical Distribution Breaker and Voltage Verification, was completed last shift by the Admin NSO and is ready for review.
- Lines 0401 and 0403 are Out of Service.
- Transformer 12 Load Tap Changer (LTC) is in automatic with the Tap Setting at 9.
- Switchyard voltage is presently at 353 KV.
- Notification from Transmission has been received that the Predicted Post Unit Trip switchyard voltage is low at 345.2 KV.
- This JPM is NOT time critical.

INITIATING CUE

QCOS 0005-08, Unit One Electrical Distribution Breaker and Voltage Verification surveillance has been submitted for your review. Perform the review.