

JOB PERFORMANCE MEASUREUNIT: 2 REV #: 0 DATE: _____SYSTEM/DUTY AREA: Control Element Drive Mechanism Control SystemTASK: Test a Reactor Trip Circuit Breaker.JTA#: 20015320201KA VALUE RO: 4.3 SRO: 4.3 KA REFERENCE: 012 A4.06APPROVED FOR ADMINISTRATION TO: RO: X SRO: XTASK LOCATION: INSIDE CR: X OUTSIDE CR: _____ BOTH: _____

SUGGESTED TESTING ENVIRONMENT AND METHOD (PERFORM OR SIMULATE):

PLANT SITE: Simulate SIMULATOR: Perform LAB: _____

POSITION EVALUATED: RO: _____ SRO: _____

ACTUAL TESTING ENVIRONMENT: SIMULATOR: _____ PLANT SITE: _____ LAB: _____

TESTING METHOD: SIMULATE: _____ PERFORM: _____

APPROXIMATE COMPLETION TIME IN MINUTES: 8 minutesREFERENCE(S): OP 2105.009 SUPP.1 020-01-0

EXAMINEE'S NAME: _____ SSN: _____ - _____ - _____

EVALUATOR'S NAME: _____

THE EXAMINEE'S PERFORMANCE WAS EVALUATED AGAINST THE STANDARDS CONTAINED IN THIS JPM
AND IS DETERMINED TO BE:

SATISFACTORY: _____ UNSATISFACTORY: _____

PERFORMANCE CHECKLIST COMMENTS:

_____ Start Time _____ Stop Time _____ Total Time

SIGNED _____ DATE: _____

SIGNATURE INDICATES THIS JPM HAS BEEN COMPARED TO ITS APPLICABLE PROCEDURE BY A QUALIFIED
INDIVIDUAL (NOT THE EXAMINEE) AND IS CURRENT WITH THAT REVISION.

JOB PERFORMANCE MEASURE

THE EXAMINER SHALL REVIEW THE FOLLOWING WITH THE EXAMINEE:

The examiner shall review the "Briefing Checklist - System Walkthrough" portion of OP 1064.023 Attachment 6 with the examinee.

JPM INITIAL TASK CONDITIONS: Preparations for a Reactor startup are in progress. Mode 3. OP 2105.009

Supplement 1 Section 1.0 is completed. OP 1015.003B-26 is complete. An operator is standing by in the
CEDM room.

TASK STANDARD: Reactor trip circuit breaker TCB-2 and TCB-6 operated in accordance with OP 2105.009

Supplement 1.

TASK PERFORMANCE AIDS: OP 2105.009 Supplement 1, Sections 2.1 and 2.2.,

TCB Close Key.

SIMULATOR SETUP: TCB 9 closed. TCB 6 is open. Mode 3 plant conditions.

JOB PERFORMANCE MEASURE**INITIATING CUE:**

The SS/CRS directs, "Perform the Reactor Trip Circuit Breaker Test for TCB-6 only, using OP 2105.009 Supplement 1.0 Sections 2.1 and 2.2. Leave TCB-6 closed. "

CRITICAL ELEMENTS (C): 2, 4, 9,11,16

PERFORMANCE CHECKLIST			STANDARDS	(Circle One)
	1.	Verify undervoltage (UV) trip device position for Reactor Trip Circuit Breakers TCB-6 . <u>POSITIVE CUE:</u> CEDM Room operator reports UV Trip Device armatures for TCB-6 are in contact with air gap adjusting screw.	Contacted operator in CEDM room. Requested verification of position of UV trip device armatures for TCB-6.	N/A SAT UNSAT
(C)	2.	Close TCB-6. <u>POSITIVE CUE:</u> TCB-2 and TCB-6 red lights ON. <u>NEGATIVE CUE:</u> TCB-6 green lights ON.	On panel 2C23, inserted key in ESF reset push button keylock. Placed key in UNLOCK position. Depress TCB-6 reset push button. On panel 2C23 or panel 2C14, verified red light ON for TCB-6. Placed key in LOCK position and removed key.	N/A SAT UNSAT
	3.	Hold 2HS/TEST switch in UV Bypass position (for TCB-6). <u>POSITIVE CUE:</u> CEDM Room operator reports 2HX/TEST switch is in the Bypass Position.	Contacted operator in CEDM room. Requested 2HX/TEST switch be held in the Bypass position.	N/A SAT UNSAT
(C)	4.	Depress Manual Reactor Trip push button (2HS-9071-2).	On panel 2C03, depressed push button 2HS-9071-2.	N/A SAT UNSAT

JOB PERFORMANCE MEASURE

PERFORMANCE CHECKLIST			STANDARDS	(Circle One)
	5.	Verify TCB-6 open. <u>POSITIVE CUE:</u> Green Lights ON for TCB-6 <u>NEGATIVE CUE:</u> Red lights ON for TCB-6	On panel 2C14, verified TCB-6 opens. Verified by green lights ON for TCB-6.	N/A SAT UNSAT
	6.	Verify annunciator 2K12-A10 actuates. <u>POSITIVE CUE:</u> 2K12-A10 is actuated.	On annunciator panel 2K12, acknowledged that 2K12-A10 actuated.	N/A SAT UNSAT
	7.	Verify undervoltage (UV) trip device position for Reactor Trip Circuit Breakers TCB-6 . <u>POSITIVE CUE:</u> CEDM Room operator reports UV Trip Device armatures for TCB-6 are in contact with air gap adjusting screw.	Contacted operator in CEDM room. Requested verification of position of UV trip device armatures for TCB-6.	N/A SAT UNSAT
	8.	Contact CEDM Room operator to release 2HS/TEST switch. <u>POSITIVE CUE:</u> CEDM Room operator reports that 2HS/TEST switch is released	Contact CEDM Room operator to release 2HS/TEST switch.	N/A SAT UNSAT

JOB PERFORMANCE MEASURE

PERFORMANCE CHECKLIST			STANDARDS	(Circle One)
(C)	9.	Close TCB-6. <u>POSITIVE CUE:</u> Red lights ON for TCB-6 <u>NEGATIVE CUE:</u> Green lights ON for TCB-6	On panel 2C23, inserted key in ESF reset push button keylock. Placed key in UNLOCK position. Depress TCB-6 reset push button. On panel 2C23 or panel 2C14, verified red light ON for TCB-6. Placed key in LOCK position and removed key.	N/A SAT UNSAT
	10.	Hold 2HS/TEST switch in Shunt Bypass position (for TCB-6). <u>POSITIVE CUE:</u> CEDM Room operator reports 2HX/TEST switch is in the Bypass Position.	Contacted operator in CEDM room. Requested 2HX/TEST switch be held in the Bypass position.	N/A SAT UNSAT
(C)	11.	Depress Manual Reactor Trip push button (2HS-9071-2).	On panel 2C03, depressed push button 2HS-9071-2.	N/A SAT UNSAT
	12.	Verify TCB-6 opens. <u>POSITIVE CUE:</u> Green Lights ON for TCB-6 <u>NEGATIVE CUE:</u> Red lights ON for TCB-6	On panel 2C14, verified TCB-6 opens. Verified by green lights ON for TCB-6.	N/A SAT UNSAT
	13.	Verify annunciator 2K12-A10 actuates. <u>POSITIVE CUE:</u> 2K12-A10 is actuated.	On annunciator panel 2K12, acknowledged that 2K12-A10 actuated.	N/A SAT UNSAT

JOB PERFORMANCE MEASURE

PERFORMANCE CHECKLIST			STANDARDS	(Circle One)
	14.	Contact CEDM Room operator to release 2HS/TEST switch. <u>POSITIVE CUE:</u> CEDM Room operator reports that 2HS/TEST switch is released	Contact CEDM Room operator to release 2HS/TEST switch.	N/A SAT UNSAT
	15.	Verify undervoltage (UV) trip device position for Reactor Trip Circuit Breakers TCB-6 . <u>POSITIVE CUE:</u> CEDM Room operator reports UV Trip Device armatures for TCB-6 are in contact with air gap adjusting screw.	Contacted operator in CEDM room. Requested verification of position of UV trip device armatures for TCB-6.	N/A SAT UNSAT
(C)	16.	Close TCB-6. <u>POSITIVE CUE:</u> Red lights ON for TCB-2 <u>NEGATIVE CUE:</u> Green lights ON for TCB-6	On panel 2C23, inserted key in ESF reset push button keylock. Placed key in UNLOCK position. Depress TCB-6 reset push button. On panel 2C23 or panel 2C14, verified red light ON for TCB-6. Placed key in LOCK position and removed key.	N/A SAT UNSAT
EVALUATORS NOTE: The simulator does not model K426. When the examinee attempts to open the door to 2C14, give them the positive cue below.				
	17.	Reset Reflash unit K426 in 2C14. <u>POSITIVE CUE:</u> Reflash unit K426 is reset	Opens back door to 2C14 to locate K426. Presses reset pushbutton on K426.	N/A SAT UNSAT
END				

JOB PERFORMANCE MEASURE

QUESTION:

ANSWER:

JOB PERFORMANCE MEASURE

EXAMINEE'S COPY

JPM TASK INITIAL CONDITIONS

Preparations for a Reactor startup are in progress. Mode 3. OP 2105.009

Supplement 1 Section 1.0 is completed. OP 1015.003B-26 is complete. An operator is standing by in the CEDM room.

INITIATING CUE:

The SS/CRS directs, "Perform the Reactor Trip Circuit Breaker Test for TCB-6 only, using OP 2105.009 Supplement 10.0 section 2.1 and 2.2. Leave TCB-6 closed. "