### Form 3.6-6 Senior Reactor Operator Competency Grading Worksheet for the Simulator Operating Test

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| **Senior Reactor Operator (SRO) Competency 1:**  **Interpret/Diagnose Events and Conditions Based on Alarms, Signals, and Readings** | | | | |
| Rating Factors (RFs) | Weighting Factors | RF Scores | RF Grades | Comp.  Grade |
| 1. Did the applicant RECOGNIZE AND ATTEND TO off-normal trends and status, annunciators, and alarms in order of their importance and severity and in sufficient time to avoid adverse impacts on plant status?   This includes correctly interpreting the significance of each alarm and verifying that it is consistent with plant and system conditions. | N/O = 0 | 3 |  | \_\_\_\_\_\_\_ |
| **Nominal = 0.20** | 2 |
| (b) N/O = 0.25 | 1 |
| (c) or (d) N/O = 0.29 | 0 |
| (b) Did the applicant ensure the  collection of CORRECT, ACCURATE, and COMPLETE information and reference material on which to base diagnoses? | N/O = 0 | 3 |  |
| **Nominal = 0.20** | 2 |
| (a) N/O = 0.25 | 1 |
| (c) or (d) N/O = 0.28 | 0 |
| 1. Did the applicant’s directives   and actions demonstrate an UNDERSTANDING of how the PLANT, SYSTEMS, and COMPONENTS OPERATE AND INTERACT (including set points, interlocks, and automatic actions)?  This does NOT include knowledge of system operation that is evaluated under SRO Competency 3. | N/O = 0 | 3 |  |
| **Nominal = 0.30** | 2 |
| (a) or (b) N/O = 0.38 | 1 |
| (d) N/O = 0.43 | 0 |
| 1. Did the applicant correctly   INTERPRET/DIAGNOSE plant conditions based on control room indications to guard against and mitigate conditions that do not meet specifications? | N/O = 0 | 3 |  |
| **Nominal = 0.30** | 2 |
| (a) or (b) N/O = 0.37 | 1 |
| (c) N/O = 0.43 | 0 |
| **SRO Competency 2:**  **Comply with and Use Procedures and References** | | | | |
| Rating Factors (RFs) | Weighting Factors | RF Scores | RF Grades | Comp.  Grade |
| 1. Did the applicant REFER TO and/or VERIFY correct alarm/annunciator, abnormal, emergency, and administrative procedures, procedural steps, and references when appropriate in sufficient time to avoid adverse impacts on plant status?   This includes the use of control room reference materials, such as prints, books, and charts, to aid in the diagnosis and classification of events and conditions. | N/O = 0 | 3 |  | \_\_\_\_\_\_ |
| **Nominal = 0.33** | 2 |
| (b) N/O = 0.50 | 1 |
| (c) N/O = 0.50 | 0 |
| 1. Did the applicant RECOGNIZE ABNORMAL OPERATING PROCEDURE/ EMERGENCY OPERATING PROCEDURE ENTRY CONDITIONS in sufficient time to avoid adverse impacts on plant status? | N/O = 0 | 3 |  |
| **Nominal = 0.33** | 2 |
| (a) N/O = 0.50 | 1 |
| (c) N/O = 0.50 | 0 |
| 1. Did the applicant USE PROCEDURES CORRECTLY and ensure correct implementation by the crew in sufficient time to avoid adverse impacts on plant status?   This includes following procedural steps in the correct sequence, abiding by procedural cautions and limitations, selecting correct paths on decision blocks, and correctly transitioning between procedures. | N/O = 0 | 3 |  |
| **Nominal = 0.34** | 2 |
| (a) N/O = 0.50 | 1 |
| (b) N/O = 0.50 | 0 |

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| **SRO Competency 3:**  **Operate Plant Component Controls**  Note: For SRO-upgrade (SRO-U) applicants, include grading in this competency if the applicant performed a scenario in a position that operated plant controls. If the SRO-U applicant was tested only in the SRO position, mark this competency as “N/O” (not observed). | | | | |
| Rating Factors (RFs) | Weighting Factors | RF Scores | RF Grades | Comp.  Grade |
| (a) Did the applicant LOCATE AND MANIPULATE CONTROLS to attain a desired plant and system response or condition in sufficient time to avoid adverse impacts on plant status? | N/O = 0 | 3 |  | \_\_\_\_\_\_ |
| **Nominal = 0.34** | 2 |
| (b) N/O = 0.50 | 1 |
| (c) N/O = 0.50 | 0 |
| 1. Did the applicant’s control manipulations demonstrate an UNDERSTANDING OF SYSTEM OPERATION, including set points, interlocks, and automatic actions?   This includes the ability to locate plant and system instruments and indications and to understand how one’s actions affect plant and system conditions. | N/O = 0 | 3 |  |
| **Nominal = 0.33** | 2 |
| (a) N/O = 0.50 | 1 |
| (c) N/O = 0.50 | 0 |
| (c) Did the applicant demonstrate the ability to take MANUAL CONTROL of automatic functions when appropriate based on plant conditions? | N/O = 0 | 3 |  |
| **Nominal = 0.33** | 2 |
| (a) N/O = 0.50 | 1 |
| (b) N/O = 0.50 | 0 |

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| **SRO Competency 4:**  **Communicate and Interact with the Crew and Other Personnel** | | | | |
| Rating Factors (RFs) | Weighting Factors | RF Scores | RF Grades | Comp.  Grade |
| (a) Did the applicant PROVIDE communications in a clear, easily understood manner? | N/O = 0 | 3 |  | \_\_\_\_\_\_ |
| **Nominal = 0.40** | 2 |
| (c) N/O = 0.50 | 1 |
| (b) N/O = 0.67 |
| (b) Did the applicant KEEP crew members and those outside the control room INFORMED of plant status? | N/O = 0 | 3 |  |
| **Nominal = 0.40** | 2 |
| (c) N/O = 0.50 | 1 |
| (a) N/O = 0.67 |
| (c) Did the applicant ENSURE RECEIPT of clear, easily understood communications from the crew and others? | N/O = 0 | 3 |  |
| **Nominal = 0.20** | 2 |
| (a) or (b) N/O = 0.33 | 1 |

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| **SRO Competency 5:**  **Direct Shift Operations** | | | | |
| Rating Factors (RFs) | Weighting Factors | RF Scores | RF Grades | Comp.  Grade |
| 1. Did the applicant take TIMELY AND DECISIVE ACTION in response to problems during both normal and off-normal situations?   This includes well-thought-out directions that demonstrated appropriate CONCERN for the SAFETY of the plant, staff, and public.  Timely actions are those actions that are performed in sufficient time to avoid adverse impacts on plant status. | N/O = 0 | 3 |  | \_\_\_\_\_\_\_ |
| **Nominal = 0.30** | 2 |
| (c) or (d) N/O = 0.38 | 1 |
| (b) N/O = 0.43 | 0 |
| 1. Did the applicant remain ATTENTIVE to control room indications, stay in a position of OVERSIGHT, and provide an APPROPRIATE AMOUNT of DIRECTION and GUIDANCE that facilitated CREW PERFORMANCE?   This includes maintaining focus on the “big picture.” | N/O = 0 | 3 |  |
| **Nominal = 0.30** | 2 |
| (c) or (d) N/O = 0.37 | 1 |
| (a) N/O = 0.43 | 0 |
| (c) Did the applicant SOLICIT and INCORPORATE FEEDBACK from the crew to foster an effective, team‑oriented approach to problem solving and decisionmaking? | N/O = 0 | 3 |  |
| **Nominal = 0.20** | 2 |
| (d) N/O = 0.25 | 1 |
| (a) or (b) N/O = 0.29 | 0 |
| 1. Did the applicant ensure that THE CREW carried out CORRECT AND TIMELY ACTIVITIES (including diagnosis, procedural implementation, and operation of the control boards)?   Timely actions are those that are performed in sufficient time to avoid adverse impacts on plant status. | N/O = 0 | 3 |  |
| **Nominal = 0.20** | 2 |
| (c) N/O = 0.25 | 1 |
| (a) or (b) N/O = 0.28 | 0 |
| **SRO Competency 6:**  **Comply with and Use Technical Specifications**  Use this worksheet in conjunction with the specific instructions for grading performance deficiencies involving technical specifications (TS) in Examination Standard 3.6, Section B.4.c. | | | | |
| Rating Factors (RFs) | Weighting Factors | RF Scores | RF Grades | Comp.  Grade |
| (a)\* Did the applicant RECOGNIZE when instruments/components were inoperable and when conditions were covered by the TS?  \*If the applicant does not address TS at all, this weighting factor becomes 1.0. | N/O = 0 | 3 |  | \_\_\_\_\_\_\_ |
| **Nominal = 0.33** | 2 |
| (b) N/O = 0.50 | 1 |
| (c) N/O = 0.50 | 0 |
| 1. Did the applicant demonstrate an ability to LOCATE the appropriate TS for the equipment he or she determined was inoperable and/or covered by TS?   This includes the functional units for instrument TS. | N/O = 0 | 3 |  |
| **Nominal = 0.33** | 2 |
| (a) N/O = 0.50 | 1 |
| (c) N/O = 0.50 | 0 |
| 1. Did the applicant correctly INTERPRET and ensure COMPLIANCE with TS and limiting condition for operation action statements? | N/O = 0 | 3 |  |
| **Nominal = 0.34** | 2 |
| (a) N/O = 0.50 | 1 |
| (b) N/O = 0.50 | 0 |