This document includes a hands-on task to evaluate the trainees understanding of the FANUC teach pendent and how to interact with it. As the instructor, you should work with one trainee at a time to do this evaluation. Evaluate the trainees separately for each situation and score them based on the procedural steps listed for that drill. Every answer must be “Yes” to pass the trainee on this evaluation. If any questions were answered “No”, then retraining is required.

*NOTE: Alert operations that you will be using a FANUC robot for training so that they are not alarmed by any activities. (Time with the robot should have been previously arranged so as to not negatively impact operations)*

**Objective #1: Create a Safe Work Zone**

Trainer Instructions: Ask the trainee to stop the robot, ensure all personnel are clear of the robotic work cell, and verify that equipment is in a safe state.

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| **Evaluation of procedural steps** | **Yes** | **No** |
| Did the trainee ensure the robotic work cell is clear of all personnel? |  |  |
| Did the trainee perform the proper procedure for stopping the robot? |  |  |
| Can the trainee demonstrate how turn the robot from auto to manual operation using the robot controller and teach pendent? |  |  |
| Can the trainee explain the proper procedure for being in the cell with the teach pendent? |  |  |
| Can the trainee physically identify the teach pendent estop and three position enabling device? |  |  |

**Objective #2: Identify buttons/functions of the teach pendent**

Trainer Instructions: Ask the trainee to locate each button listed below and briefly explain their function. Note that the trainee should actually touch the button to identify it.

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| **Evaluation of procedural steps** | **Yes** | **No** |
| Teach pendent on/off switch: Is the trainee able to locate the button and explain the functionality? |  |  |
| Menu button: Is the trainee able to locate the button and explain the functionality? |  |  |
| Reset button: Is the trainee able to locate the button and explain the functionality? |  |  |
| COORD button: Is the trainee able to locate the button and explain the functionality? |  |  |
| Axis movement buttons: Is the trainee able to locate the button and explain the functionality? |  |  |
| Shift button: Is the trainee able to locate the button and explain the functionality? |  |  |
|  |  |  |
| **Evaluation of procedural steps** | **Yes** | **No** |
| Help/Diag button: Is the trainee able to locate the button and explain the functionality? |  |  |
| POSN button: Is the trainee able to locate the button and explain the functionality? |  |  |
| I/O button: Is the trainee able to locate the button and explain the functionality? |  |  |
| +% and -% speed control buttons: Is the trainee able to locate the button and explain the functionality? |  |  |

**Objective #3: Demonstration of teach pendent button functionality**

Trainer Instructions: For each of the components below, ask the trainee to perform the maintenance task or check associated with that component.

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| **Evaluation of procedural steps** | **Yes** | **No** |
| Procedure 1: Have the trainee increase/decrease robot speed to 50% using the speed control buttons. |  |  |
| Procedure 2: Have the trainee open the POSN screen and ensure the robot coordinates display in JOINT |  |  |
| Procedure 3: Have the trainee ensure the robot is in JOINT mode using the COORD button. |  |  |
| Procedure 4: Have the trainee physically demonstrate the right amount of pressure applied to the three position enabling device switch to allow robot movement. |  |  |
| Procedure 5: Have the trainee physically demonstrate using the three position enabling device and shift button to allow robot movement. |  |  |
| Procedure 6: Using the three position enabling device/shift key sequence, have the trainee move axis 1 through 6 +/- 65 degrees in JOINT mode. |  |  |
| Procedure 7: Have the trainee ensure the robot is in WORLD mode using the COORD button. |  |  |
| Procedure 8: Using the three position enabling device/shift key sequence, have the trainee move axis 1 through 6 +/- 65 degrees in WORLD mode. |  |  |
| Procedure 9: Have the trainee cycle through different I/O groups using the I/O button and menus that follow. |  |  |

**Objective #4: Restart and Verify Operation of Equipment**

Trainer Instructions: Ask the trainee to return the teach pendent and robot controller to AUTO mode, clear any faults and restart the robotic work cell.

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| **Evaluation of procedural steps** | **Yes** | **No** |
| Did the trainee perform a visual check ensuring all personnel are out of the robotic work cell? |  |  |
| Did the trainee turn the teach pendent and robot controller back into AUTO mode |  |  |
| Did the trainee clear any faults? |  |  |
| Did the trainee restart the robot? |  |  |

Trainer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_

Trainee:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_