

TASK 1 • Match the device with the action verb and method used to operate or trigger it.

DEVICE	ACTION VERB	METHOD
1. Motion sensor alarm	a) kick	A) ...the green button to start the call.
2. Outboard motor	b) touch	B) ...the screen to select a ticket.
3. Touchscreen terminal	c) break	C) ...the kick-starter lever downwards.
4. Cordless phone	d) pull	D) ...the laser beam across the doorway.
5. Motorcycle engine	e) press	E) ...the recoil cord handle firmly.

TASK 2 • Complete the operational procedures using the correct form of the action verbs

BREAK, KICK, PICK UP, PRESS, PULL, SWITCH ON, TOUCH

1. You activate the emergency system **by** _____ the red mushroom button.
2. The technician answers the control room line **by** _____ the handset off the cradle.
3. You start the auxiliary engine **by** _____ the recoil starter cable firmly.
4. The intruder triggered the motion detector **by** _____ the infrared beam path.
5. The operator restarts the vintage generator **by** _____ the starter pedal sharply downward.
6. A user selects the diagnostic menu **by** _____ the interactive display screen.
7. You supply power to the main circuit **by** _____ the isolator switch.

TASK 3 • Practice real-time verbal instructions using technical verbs and method markers.

Student A (Field Technician): You are operating a hazardous site interface and need step-by-step guidance.

Student B (Control Center Engineer): Guide Student A through the tasks using "You [action] by [verb]-ing..."

1. Scenario 1: Starting the Emergency Generator

- *Instructions to give:* Enable the main power circuit / Start the engine / Answer the radio call.
- *Target verbs:* **press, switch on, pick up, pull**

2. Scenario 2: Accessing the Diagnostic System

- *Instructions to give:* Wake up the monitor / Select the diagnostic test / Trigger the manual laser check.
- *Target verbs:* **break, press, touch**

3. Scenario 3: Manual Override on Mechanical Pump

- *Instructions to give:* Prime the engine pump / Engage the mechanical starter / Stop the flow in an emergency.
- *Target verbs:* **pull, press, kick**

READING

TEXT 1: Machinery Commissioning Protocol. Fill in the gaps with appropriate verbs from task 2 TE 2 page 8.

During the commissioning of an off-grid power generator, operators follow a strict mechanical sequence:

1. **System Power:** First, the operator supplies control-board power _____ (1) the main circuit breaker.
2. **Interface Interaction:** Next, they load the diagnostic menu _____ (2) the central touchscreen.
3. **Manual Engine Start:** To turn over the auxiliary starter motor, the mechanic initiates crank rotation _____ (3) the cord handle or _____ (4) the foot-starter lever.
4. **Safety Check:** The testing engineer verifies the optical safety boundary _____ (5) the laser sensor beam with a test paddle.
5. **Site Communication:** The operator reports system status to control _____ (6) the emergency hotline handset and _____ (7) the transmit button.

Task 1. Answer the questions.

1. What does the operator supply power to first?
2. Where is the diagnostic menu loaded?
3. What two methods can be used to initiate crank rotation?
4. How does the testing engineer check the optical safety boundary?
5. How does the operator report the system status?
6. Why is a strict mechanical sequence important during commissioning?

Task 2. Complete each collocation with a word from the box.

**menu • sequence • motor • power • breaker • boundary • paddle • button •
handset • handle**

1. off-grid power _____
2. strict mechanical _____
3. main circuit _____
4. diagnostic _____
5. auxiliary starter _____
6. optical safety _____
7. cord _____
8. transmit _____
9. emergency hotline _____
10. test _____

TEXT 2: Automated Factory Assembly Line Maintenance.

In modern smart factories, robotic assembly arms work alongside human technicians under strict safety protocols. When entering a robot's work cell for routine servicing, a technician pauses the assembly line _____ (1) the safety light curtain with a sensor wand.

Once inside the cell, the technician inspects the robotic gripper tools. They test the end-effector pneumatic pressure _____ (2) the manual bleed valve. To run a diagnostic calibration, the engineer accesses the joint controller menu _____ (3) the handheld teach-pendant screen.

If a mechanical jam occurs in the conveyor belt feed, the technician clears stuck components _____ (4) the quick-release lock pin. To restart the motor drive safely, the engineer resets the circuit breaker _____ (5) the isolated power switch. Before leaving the cell, the technician informs the central station _____ (6) the intercom unit, and engages the heavy floor lock _____ (7) the mechanical foot brake into place.

Task 1. Put the Maintenance Procedure in the Correct Order

Number the steps from 1–7.

- ___ The engineer accesses the joint controller menu.
- ___ The technician informs the central station.
- ___ The technician pauses the assembly line.
- ___ The engineer resets the circuit breaker.
- ___ The technician inspects the gripper tools.
- ___ The technician clears the mechanical jam.
- ___ The technician engages the floor lock.

TEXT 5: Automated Factory Assembly Line Maintenance (Industrial Automation)

In modern smart factories, robotic assembly arms work alongside human technicians under strict safety protocols. When entering a robot's work cell for routine servicing, a technician pauses the assembly line **by breaking** the safety light curtain with a sensor wand.

Once inside the cell, the technician inspects the robotic gripper tools. They test the end-effector pneumatic pressure **by pressing** the manual bleed valve. To run a diagnostic calibration, the engineer accesses the joint controller menu **by touching** the handheld teach-pendant screen.

If a mechanical jam occurs in the conveyor belt feed, the technician clears stuck components **by pulling** the quick-release lock pin. To restart the motor drive safely, the engineer resets the circuit breaker **by switching on** the isolated power switch. Before leaving the cell, the technician informs the central station **by picking up** the intercom unit, and engages the heavy floor lock **by kicking** the mechanical foot brake into place.

TASK 3 • Form questions using "How do you...?" and answer using "Subject + verb + by + [verb]-ing..."

Example:

Student A: *How do you trigger the emergency laser alarm?*

Student B: *You trigger the alarm by breaking the laser beam.*

Prompts:

- | | |
|------------------------------|---|
| 1. Interactive kiosk | select options / touch the screen |
| 2. Outboard engine | start the engine / pull the recoil cord |
| 3. Desk telephone | answer an incoming call / pick up the handset and press the line button |
| 4. Classic motorcycle | start the motor / kick the starter lever |
| 5. Security perimeter | trigger the alarm / break the optical beam |

TASK 1. Answers: 1—c—D, 2—d—E, 3—b—B, 4—e—A, 5—a—C

TASK 2. Answers: 1. pressing, 2. picking up, 3. pulling, 4. breaking, 5. kicking, 6. touching, 7. switching on