

**BOH SOLUTIONS OPERATION MANUAL  
(INCLUDING REPAIR PARTS)  
EXPEDITIONARY JOINT OPERATIONS CENTER (EJOC®)**

**CHAPTER 4  
OPERATOR MAINTENANCE INSTRUCTIONS**

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**OPERATOR MAINTENANCE INSTRUCTIONS**

**BOH SOLUTIONS OPERATION MANUAL**  
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**EXPEDITIONARY JOINT OPERATIONS CENTER (EJOC®)**

**INTRODUCTION TO PREVENTATIVE MAINTENANCE CHECKS & SERVICES (PMCS)**

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**INITIAL SETUP:**

**Materiel/Parts**

None

**Personnel Required**

Two

**References**

None

**Equipment Condition**

EJOC Set-up

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**PREVENTATIVE MAINTENANCE CHECKS & SERVICES (PMCS)**

Preventative Maintenance Checks and Services (PMCS) are performed to keep the EJOC in good operating condition. These checks aid in finding, correcting, or reporting problems. Operator personnel are to perform the PMCS tasks as shown in the PMCS table.

**Perform PMCS procedures each day the EJOC is in operation, using the PMCS table in (WP 0013 00). There are different intervals to perform PMCS procedures: before, during and after using the equipment, as well as weekly and monthly. Look at the table carefully to identify the required PMCS interval.**

Perform all checks and services keeping in mind the following guidelines:

- Before you begin using the EJOC, perform **Before Operation PMCS**.
- While the EJOC is in use, perform **During Operation PMCS**.
- After using the EJOC, perform **After Operation PMCS**.

If you find something wrong when performing PMCS, fix it using troubleshooting and/or maintenance procedures. Pay attention to WARNING and CAUTION statements. A **WARNING** means someone could be hurt or even killed. A **CAUTION** means equipment could be damaged.

The far right-hand column of the PMCS table lists conditions that make the EJOC not fully mission capable. Write down the problem that cannot be repaired at your level on DA Form 2404 and forward for unit maintenance or equivalent. If tools that are required to perform PMCS are not listed in the procedures, notify your supervisor.

**Inspection**

Look for signs of trouble. Use your senses to feel, smell, hear, or see problems that may exist. Inspect to see if items are in good condition. Are components correctly installed and secured? Is any damage to the frame or components visible? Correct any faults or notify Unit Maintenance.

**Service**

Proper service of the EJOC and components is an integral part of maintenance. Regular cleaning prevents possible problems in the future, so make it a habit to clean the EJOC and components whenever necessary.

**END OF WORK PACKAGE**

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**PMCS TABLE**

**INITIAL SETUP:**

**Materiel/Parts**

Rags, Water, Broom

**Personnel Required**

Two

**References**

None

**Equipment Condition**

EJOC Operation

**Table 1 Preventive Maintenance Checks and Services for  
PMCS B (Before), D (During), A (After), W (Weekly), M (Monthly)**

	B	D	A	W	M	Inspection Item and Procedure	Equipment Not Ready/Available If
1	*	*	*			<b>EJOC</b> Check all doors and walls for cracks, dents, holes, or loose/missing hardware.	Missing door hardware, punctures, damage that would cause hazard, injury or damage to personnel.
2					*	Lubricate hinges, locks and latches as required.	All hinged items should move freely
3			*	*		<b>Exterior</b> Check all exterior surfaces for cracks, dents that effect the operation of the EJOC.	Damage or malfunction that would cause the EJOC from operating properly such as, exterior electrical power cables, connection covers, HVAC cover door and latches.
						Check for accumulations of dirt, debris, ice, snow, or salt. Clean as required.	
						Check damaged or missing external electrical connection covers.	
4			*	*		<b>Interior</b> Check interior for dirt and debris. Sweep clean and wipe-down desktops with rags as required.	A clean work area must be maintained. Damage or malfunction that would cause the EJOC from operating properly such as, inoperative circuit breakers, lighting system, HVAC.
						Check drawer latches for missing or loose hardware. Replace or tighten as necessary.	
						Check circuit panel test for damaged breakers. Test HVAC and lighting system	
5					*	Lubricate drawer and HVAC slides as required.	All bearing items should move freely.
6			*		*	<b>Data Plates</b> Check data plates for legibility, damage and/or missing. Clean with water and rag. Replace as needed.	EJOC ID plates and Weight limit on EJOC must be clear of paint, dirt and must be legible.

**END OF WORK PACKAGE**

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**OPERATOR MAINTENANCE INSTRUCTIONS**

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**CLEANING AND LUBRICATING**

**INITIAL SETUP:****Materiel/Parts**

Rags, Water, Broom

**Personnel Required**

Three

**References**

None

**Equipment Condition**

EJOC Operation Setup

**CLEANING AND LUBRICATING**

Cleaning and Lubricating of the EJOC is performed to keep the EJOC and its associated equipment in good operating condition. The cleaning and lubrication of the EJOC can be conducted along with the Preventive Maintenance Checks and Services (PMCS) procedures described in (WP 0013 00). Specific areas described below need to be cleaned after an operational event or periodically if stored/staged outside of a fixed facility to keep the container, modules, and accessories performing as designed. Cleaning also assists in maintaining the condition of the materiel stored within the system. Any damage discovered when cleaning and/or lubricating that cannot be corrected using the troubleshooting procedures described in (WP 0009 00) should be reported for corrective maintenance.

**Table 1 Cleaning**

<b>SURFACE</b>	<b>OIL/GREASE</b>	<b>SALT/MUD/DIRT DEBRIS</b>	<b>RUST/CORROSION</b>
Exterior and Interior Walls (All)	Detergent, Water, Rags	Soapy Water, Brush, Rags	Corrosion Removal Compound and Wire Brush, Dry Rag, Spot Paint
Door Hinge Cover and Seals	Damp and Dry Rags	Damp and Dry Rags	N/A
EJOC Doors	Detergent, Water, Rags	Soapy Water, Brush, Rags	Corrosion Removal Compound and Wire Brush, Dry Rags, Spot Paint
Exterior Power Door Hinges	Molykote Multipurpose Synthetic Grease P/N 26040124	Brush, Rag and lubricate as needed to ensure hinges travel freely	Corrosion Removal Compound and Wire Brush, Dry Rags and Lubricate as needed Spot Paint
Power Cable Connections	Detergent, Water, Rags	Soapy Water, Wire Brush, Rags	Do Not Paint
HVAC Access Door	Detergent, Water, Rags	Soapy Water, Brush, Rags	Corrosion Removal Compound and Wire Brush, Dry Rag, Coat with Lube Oil or Spot Paint
HVAC Filters	None	Vacuum to remove dust as needed	Replace monthly in high dust conditions, clean as needed.
Non-Metallic Door Straps and ratchet mechanism/straps	Detergent, Water, Rags	Soapy Water, Brush, Rags	Do Not Paint
<b>END OF CLEANING TABLE 1</b>			

**Table 2 Lubrication**

<b>USAGE</b>	<b>FLUID or LUBRICANT</b>	<b>CAPACITIES</b>	<b>EXPECTED TEMPERATURES</b>	<b>INTERVAL</b>
Door Hinges	General Purpose Lubricating Oil 10W	As Required	All Temperatures	Monthly or as required if under adverse conditions
Door Locks	Molykote Multipurpose Synthetic Grease P/N 26040124	As Required	All Temperatures	Monthly or as required if under adverse conditions
Door Hinge Cover and Seals	Molykote Multipurpose Synthetic Grease P/N 26040124	As Required	All Temperatures	Monthly or as required if under adverse conditions
Exterior Door Locking Mechanism	General Purpose Lubricating Oil 10W	As Required	All Temperatures	Monthly or as Required if under Adverse Conditions
Power Cable Doors and Hinges	Molykote Multipurpose Synthetic Grease P/N 26040124	As Required	All Temperatures	Monthly or as Required if under Adverse Conditions
Folding Steps	General Purpose Lubricating Oil 10W	As Required	All Temperatures	Monthly or as required if under adverse conditions
File Cabinet Drawer and HVAC Slides	Clean with WD-40 apply Molykote Multipurpose Synthetic Grease P/N 26040124	As Required	All Temperatures	Bi-annually or as required if under adverse conditions
HVAC Unit	Allow condensation to remain in the catch pan during HVAC cooling operation	Note: condensation in the catch pan assists the HVAC cooling operation	Note Cooling operation only	Note: Drain condensation only when retracting the HVAC unit into the container
Interior Door Locking Mechanism	General Purpose Lubricating Oil 10W	As Required	All Temperatures	Monthly or as Required if under Adverse Conditions
Drawer Locks	Molykote Multipurpose Synthetic Grease P/N 26040124	As Required	All Temperatures	Monthly or as Required if under Adverse Conditions
Cabinet Doors and Drawers	Damp and Dry Rags	As Required	All Temperatures	Monthly or as Required if under Adverse Conditions
Ratchet Mechanism	General Purpose Lubricating Oil 10W	As Required	All Temperatures	Monthly or as required if under adverse conditions
<b>END OF LUBRICATION TABLE 2</b>				

**END OF WORK PACKAGE**



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**EXTERIOR INSPECTION**

**INITIAL SETUP:**

**Materiel/Parts**

None

**Personnel Required**

One

**References**

Chapter 2, 3 and 5

**Equipment Condition**

EJOC Operation Set-up

**INSPECT**

1. Conduct a visual inspection of the container's exterior for any signs of damage.

**Street Side and Front of the EJOC**

2. Examine the communications inlet covers for any missing or damaged components.
3. Verify the HVAC access door lynchpin is intact and not damaged.
4. Test the operation HVAC access door by removing lynchpin and opening the door. Latches should have smooth movement while providing tension. Lubricate, repair, or replace components as needed (Leave HVAC access door open for interior inspection).
5. Inspect HVAC access door seals for cuts, cracks, or missing sections.



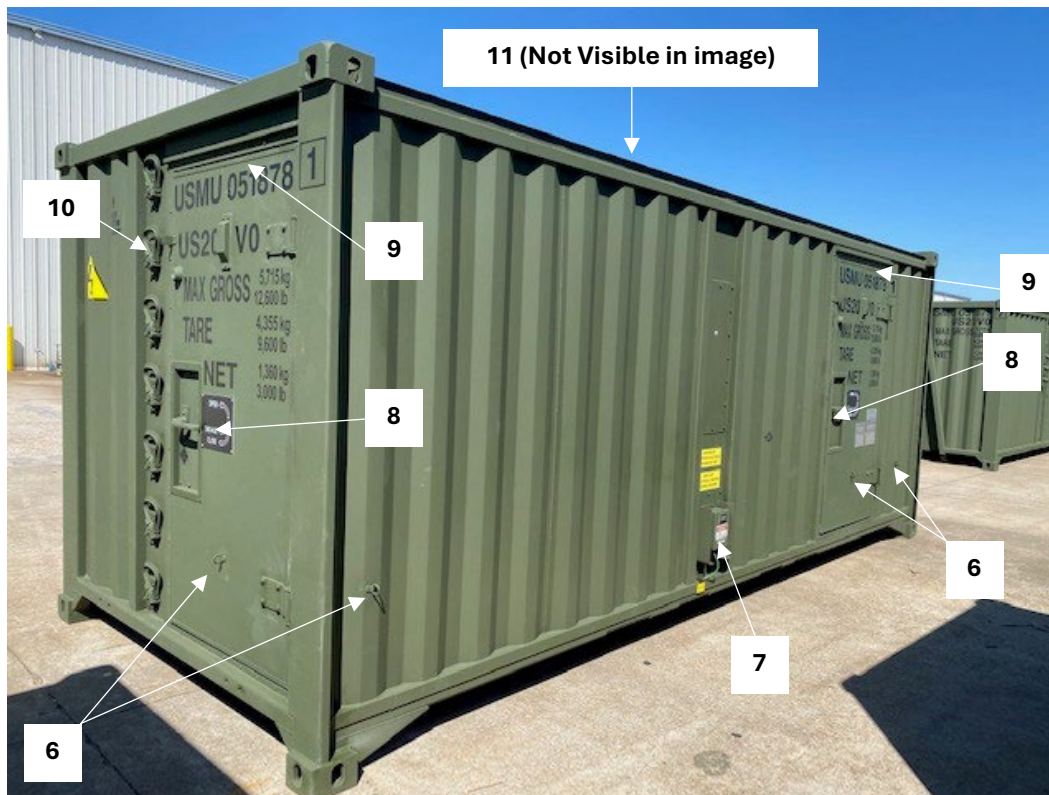
### Curb Side, Rear and Roof of the EJOC

6. Check for missing or damaged entrance door retaining strap rings.
7. Inspect the power cable door latches and hinges for signs of wear or damage.
8. Test the operation of all door handles by rotating or lifting them to ensure smooth movement, proper engagement of the latch mechanism, and secure closure without resistance or misalignment.
9. Check the door seals for cuts, cracks, or missing sections.
10. Test the folding steps by raising and lowering each step to confirm they operate and stow correctly.
11. Inspect the roof for missing or damaged tie-down rings.

### WARNING



Fall hazards exist when climbing onto, returning from or working from the top of the container. Always maintain three points of contact to the ladder and EJOC when climbing onto the container. Never move, step, or walk backwards when working on top of the system. All movement should be in the forward direction. A fall can occur if the worker loses concentration and steps backwards off of the edge. Stand erect only if necessary and only away from the edge. Working from a kneeling position helps reduce the threat of a fall.



11. Report any missing or damaged power connections, doors, covers, seals, rings, pin or latches to unit maintenance.

### END OF WORK PACKAGE

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**INTERINAL INSPECTION**

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**INITIAL SETUP:**

**Materiel/Parts**

Lubricant (review Table 1 & 2 Lubrication in WP 0013 00)

**Personnel Required**

One

**References**

Chapter 2, 3 and 5

**Equipment Condition**

EJOC Operation Set-up

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**INSPECT**

**Entry / Exit Doors**

1. Inspect the lock sets on both the rear and curbside entry/exit doors for smooth operation. Report to unit maintenance if any lock set is missing, cracked, broken, or functioning poorly. Refer to WP 0006 for details.
2. Check both the rear and curbside entry/exit doors for any missing or damaged retaining straps.



**Rear Entry / Exit Door Shown**

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**NOTE**

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The door retaining strap for the curbside entry/exit door is positioned on the left side of the door frame when standing inside the container, facing outward.

### Cabinetry

3. Inspect the slam latches on cabinet drawers for smooth movement, proper spring tension, and secure retention in the fully closed position. Report any missing or damaged latches to unit maintenance.
4. Open and close the drawers to ensure proper alignment and smooth operation. Lubricate, repair, or replace components as needed.
5. Inspect that the top cabinet nets are securely in place. Gently pull on the netting near the clasps to ensure they are functioning properly.



### HVAC Deployment

6. Test the operation of the HVAC slides by removing the six T-bolts located on both the left and right sides of the HVAC unit and placing them in the T-bolt holder below the HVAC. Push the unit into place by applying pressure to the bottom left and bottom right corners of the HVAC frame. Refer to WP 0006 00-9 for details. The HVAC unit should require firm force but slide smoothly. Lubricate, repair, or replace components as needed (Leave HVAC in the deployed position electrical inspection).

**Straps and D-Rings**

7. Inspect all blue straps and their corresponding D-rings to ensure they are in proper working condition and functioning correctly. The EJOC comes equipped with a total of X blue straps. 4 chair straps, 8 shelf straps, 4 wall straps, 1 roller wheel mount strap.
  
8. Report any missing or damaged doors, straps, covers, seals, rings, pin or latches to unit maintenance.

**END OF WORK PACKAGE**

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**ELECTRICAL INSPECTION**

**INITIAL SETUP:**

**Materiel/Parts**

Power Source Connecters

**Personnel Required**

Two Operator / Electrician

**References**

Chapter 2 WP 0008

**Equipment Condition**

EJOC Operation Set-up

**INSPECT**

**External Electrical Connection**

1. Ensure the external electrical connection has been made by a certified electrician and properly connected to the power sources (a 60 Hz, 120/208v, 3-phase).



**Ground Rod (Located left of Rear Entry/Exit Door)**

**WARNING**



Ensure all circuit breakers and the main power source is switched off before making electrical connections. Ensure the cable connectors are properly installed by a certified electrician and match the power source (a 60 Hz, 120/208v, 3-phase).

**WARNING**



The electrical ground must be established first to prevent electrical shock to personnel. See page 0008 00-3.

## Internal Electrical System

1. When the power source is connected enter the container switch on all circuit breakers located in the middle of the utilities wall on the curbside of the container.



2. Actuate and test the LED red and white lighting system switches at the door. Ensure the door interrupter switch operates properly. See Chapter 2 Page 0008 00-5.



**Door Interrupter Switch**



3. Test each electrical power outlet with a circuit tester or an appliance. If the circuit tester or appliance fails, reactivate the circuit breakers for the power outlets.
4. Activate the HVAC circuit breaker in the circuit breaker panel. Test the HVAC at the front of the container. If the HVAC fails to operate, reactivate the circuit breaker retest.
5. Report any electrical issues to unit maintenance.

## **END OF WORK PACKAGE**