

Large Skid Demobilization

OVERVIEW

Purpose and Scope

This document provides field service personnel at EPIC iO, partner organizations, or customers the information necessary to properly break down a large security skid and prepare it for safe relocation or storage. The document addresses the following operations:

- Verifying safe shut-down and disconnect
- Disconnecting and removing cameras, speaker, and cables for transport
- Lowering, removing and preparing the mast for transport
- Final inspection, logging, and securing the unit

This document defines the approved standard process and procedures for the demobilization of an EPIC iO large security skid.



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Responsibilities

Assigned field service personnel conducting demobilization operations must ensure all appropriate safety precautions are followed, and all disassembly steps are performed exactly as prescribed. Additionally, the parties conducting breakdown operations are solely responsible for protection of the sensors, batteries, solar panels, cameras and other equipment associated with the skid.

Tools and Equipment Required

Personal Protective Equipment (PPE)

- Personal Protective Equipment (PPE):
 - Hard hat
 - Eye protection
 - Steel-toed footwear
 - Gloves
 - High-visibility Vest
 - Flame Resistant Clothing (when required by customer)
- 5kLb Forklift with 5'-8' Forks
- 16'-18' Reach Ladder w/ V-rung
- Pipe Stand/Jack Stand
- Rope/Straps (to tie-off ladders)
- Cordless Electric Impact Drill
- SAE Shallow Socket Set, 9/16" to 1-1/8"
- 12"-15" Adjustable Wrench
- T10, T20, T30 Torx Screwdrivers or Bits
- 1/8" Terminal Block Screwdriver

Tools and Equipment Required



**5kLb Forklift with
5'-8' Forks**



Pipe Stand



Jack Stand



**Cordless Electric
Impact Drill**



**SAE Shallow Socket Set,
9/16" to 1-1/8" (for mast
bolts and set screws)**



**12"-15" Adjustable Wrench
(up to 1-1/8" opening)**



**T10, T20, T30 Torx
Screwdrivers or Bits**



**1/8" Terminal Block
Screwdriver (w/ 4" shank)**

STEP 1

DEMOBILIZATION PROCEDURES

Shut Down and Disconnect

A. Open the electrical cabinet. (Figure 1)

B. Power down in the following order: (Figure 2)

- Load
- Solar
- Battery

C. Access the connection box and disconnect all bulkhead connections: (Figure 3. Figure 4)

- RJ45 connectors
- Coax/antenna
- Strobe



Figure 1



Figure 2



Figure 3



Figure 4

STEP 2

Lower the Mast

Ensure the area around the skid base is clear and there is space to lower the mast. If it is not, carefully reposition the unit.

A. Using two persons, prepare to support lower the mast. (Figure 5)

B. One person remove the two nuts, washers, and lock washers securing the mast base to the skid the other hold the mast.

C. While one person guides cable clearance through the connection box, the other person gradually lowers the mast onto the jack stand. (Figure 6)



Figure 5



Figure 6

WARNING: Do not lower the mast alone. The mast is heavy and may fall, resulting in damage or injury.

STEP 3

Remove Cameras and Speaker

For Bullet Cameras

- Loosen the setscrew and gently remove the camera. (Figure 7. Figure 8)
 - Disconnect the RJ45 cable and detach the security cable. (Figure 7. Figure 8)
 - Store the camera in padded container for transport.
- Be sure to keep track of the rubber gasket in between the camera and mounting base. (Figure 9)



Figure 7



Figure 8

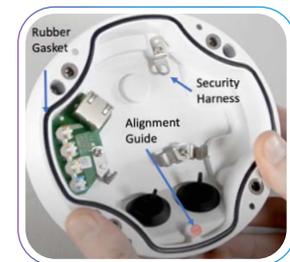


Figure 9

For Axis Q6125/35 PTZ Cameras

- Remove the mount cover with a T30 Torx screwdriver. (Figure 10)
- Disconnect the RJ45 pigtail and unscrew the three mounting screws. (Figure 11. Figure 12)
- Carefully twist the camera clockwise (viewed from above) to release. (Figure 13)
- Store camera in an padded container for transport.
- Reinstall the cover on the mount. (The mount and arm can remain on the mast)

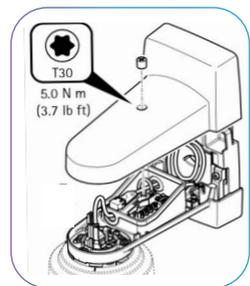


Figure 10

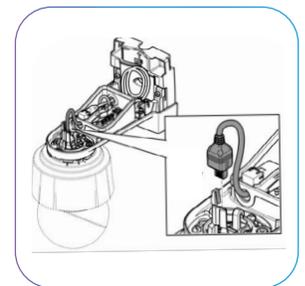


Figure 11

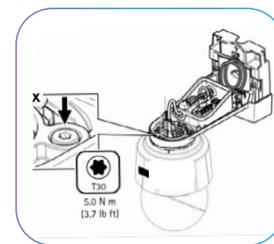


Figure 12

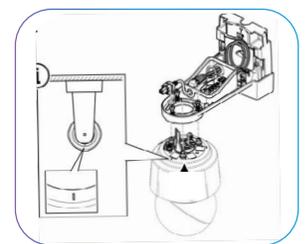


Figure 13

For Network Horn Speaker

- Disconnect the RJ45 connector and remove the port cover. (Figure 14)
- Loosen and remove speaker from mount. (Figure 15)
- Store horn speaker in padded container for transport.



Figure 14



Figure 15

STEP 4

Remove the Mast

- A.** Loosen the set screws and ground lug on the mast base.(Figure 16)
- B.** Carefully slide the mast out of the base with two persons supporting the weight.
- C.** Carefully set the mast aside as to not damage the hardware still mounted or the mast. (Rest on a pipe stand if available)(Figure 17)
- D.** Using electrical tape or masking tape, secure all loose cables to the pole for transport.

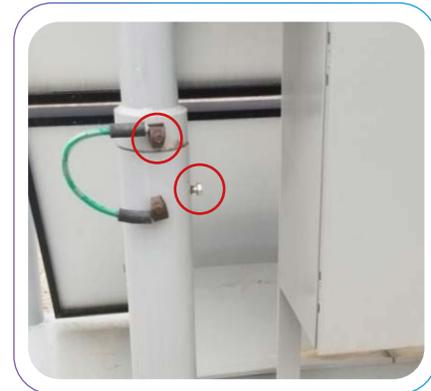


Figure 16



Figure 17

STEP 5

Final Disassembly and Packing

- A.**Ensure all hardware, covers, gaskets, and loose parts are securely stored.
- B.**Close and lock the connection box and electrical cabinet.(Figure 18.Figure 19)
- C.** Verify all cables are secured to the mast and not kinked.
- D.** Confirm all removed items are accounted for.



Figure 18



Figure 19

STEP 6

Relocate or Transport the Skid

- A.** Ensure mast and other equipment are not installed or connected.
- B.** Using a forklift, carefully lift the skid from its position.
- C.** Travel at slow speed when moving the skid and set aside for staging or onto the transport vehicle.

WARNING: Never transport skid with mast installed. Doing so may result in instability and potential equipment damage.

FINAL CHECKLIST

- All cameras and speaker removed
- Mast fully lowered and detached
- Power safely shut down
- Cables disconnected and stored
- Cabinets locked
- Skid ready for transport

6 simple steps to setting up your Large Skid Demobilization.

For additional questions please contact our customer support team at support@epicio.com. We're happy to help!

Learn more today:  epicio.com

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