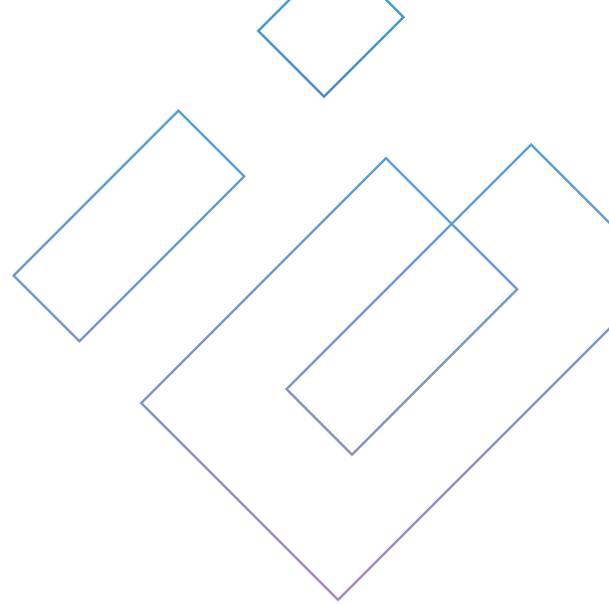


Standard Skid Demobilization



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DOCUMENTATION

OVERVIEW

Purpose and Scope

This document provides field service personnel at EPIC iO, partner organizations, or customers the information necessary to break down a standard security skid for removal from operation.

This document defines the approved standard process and procedures for the demobilization of a EPIC iO standard security skid. Standard security skids are commonly referenced by their platform abbreviation, “SS” followed by the build sequence of the skid (i.e., “SS04”, “SS31”, etc.).

Responsibilities

Assigned field service personnel conducting mobilization or breakdown operations must ensure all appropriate safety precautions are followed, and all assembly/disassembly steps are performed exactly as prescribed. Additionally, the parties conducting set-up or breakdown operations are solely responsible for protection of the sensors, batteries, solar panels, and other equipment related to the skid.

Tools and Equipment Required

Personal Protective Equipment (PPE)

At a minimum, the following PPE is required during trailer set-up or breakdown:

- Hard hat
- Eye protection (safety glasses or protective goggles)
- Steel-toed footwear
- Gloves
- Flame retardant clothing (location- and customer-dependent)

Tools



12" Adjustable Wrench



T30 Torx® Screwdriver



Phillips Screwdriver



Diagonal Cutters

STEP 1

DEMOBILIZATION PROCEDURES

Shutting Down the System

A. Shut down the Remote Control Unit (RCU).

- Unlock the padlock securing the door to the RCU enclosure (**Figure 1**) using the code programmed during mobilization.
- De-actuate the RCU master fuse (**Figure 2**) by pushing the fuse downwards.

B. Disconnect the Speaker and Cameras.

- Unlock the padlock securing the door to the cable connection junction box (**Figure 3**) using the code programmed during mobilization.
- Disconnect each cable from its corresponding junction box connector (**Figure 4**):
 - Rotate the connector counterclockwise to allow the connector to be unplugged
 - Unplug the RJ45 cable connector from its corresponding RJ45 port in the junction box.

C. Secure the RCU and Junction Box.

NOTE: BE SURE to reprogram the padlocks with the default **unlock code 6713**

- Close the doors on the cable junction box and RCU.
- Secure each door with the supplied padlocks.



Figure 1. RCU Enclosure (Open)



Figure 2. RCU Master Fuse



Figure 3. Cable junction Box



Figure 4. Cable junction Box

STEP 2

Lowering the Mast

! WARNING ! The mast is heavy. Do not lower the mast alone. The mast can be accidentally dropped if it is not adequately supported while lowering. Failure to comply may result in equipment damage or personal injury.

Three persons are recommended to lower the mast: two to pivot the mast to the lowered position, and one to route the cable connectors away from the junction box.

A. Remove the mast retainers.

- Locate the two mast base retaining bolts and remove the nuts from the retaining bolts (**Figure 5**). This will free the mast flange from the skid base, and allow the mast to pivot to the lowered position.
- (Persons 1 and 2) Hold the mast securely in the upright position.
- (Person 3) Remove the nut and bolt securing the junction box bracket (**Figure 6**) to the junction box, then rotate the bracket away from position the mast pole.



Figure 5. Mast Retaining Nuts and Bolts



Figure 6. Junction Box Bracket

B. Lower the mast.

CAUTION BE SURE the speaker and camera cabling does not become cut, crimped or otherwise damaged when lowering the mast.

- (Person 3) Route the speaker and camera cable out of the junction box. BE SURE to protect the cabling from damage while the mast is lowered.
- (Persons 1 and 2) Carefully pivot the mast away from the skid base until the mast is completely lowered.

STEP 3

Removing the Cameras and Speaker

The cameras and horn (speaker) are installed on the mast in the following order and location (**Figure 7**):

- The horn is installed at the top of the mast, just below the “showerhead.”
- The Axis Q6125 PTZ camera is installed below the horn.
- The Axis M5525 PTZ camera is installed below the Axis Q6125 PTZ camera.



Figure 7. Mounted Speaker and Cameras

Removing Cable Ties

CAUTION USE CARE when removing cable ties to avoid cutting camera or speaker cables.

- If necessary, use diagonal cutters (see **Tools** on **page 2**) to cut and remove cable ties securing camera and speaker cables to the mast pole.

Removing the Axis M5525 PTZ Camera

A. Remove the camera.

- Remove the top cover of the camera using a T30 Torx screwdriver (see **Tools** on **page 2**).
- Disconnect the camera cable:
 - Disconnect the “Cable 3” RJ45 connector from its corresponding port on the camera.

CAUTION USE CARE when removing the camera cable from the camera to avoid damaging the watertight seals located inside and outside of the camera.

- Carefully pull the cable out of the camera.
- Loosen the two screws on the back of the camera and remove the camera from the camera mount.
- Reinstall the top cover of the camera.

B. Remove the camera mount.

- Loosen the two hose clamps securing the camera mount to the mast pole, and remove the camera mount.

Removing the Axis Q6125 PTZ Camera

A. Remove the camera.

- Remove the top cover of the camera using a T30 Torx screwdriver (see **Tools** on **page 2**).
- Disconnect the camera cable:
 - Disconnect the “Cable 2” RJ45 connector from its corresponding port on the camera.

CAUTION USE CARE when removing the camera cable from the camera to avoid damaging the watertight seals located inside and outside of the camera.

- Carefully pull the cable out of the camera.
- Loosen the two screws on the back of the camera and remove the camera from the camera mount.
- Reinstall the top cover of the camera.
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B. Remove the camera mount.

- Loosen the two hose clamps securing the camera mount to the mast pole, and remove the camera mount.

Removing the Axis C3003-E Network Horn Speaker

A. Remove the horn.

- Remove the port cover from the horn.

CAUTION USE CARE when removing the horn from the horn mount to straining the horn cable.

- Remove two Phillips-head screws securing the horn to the horn mount and remove the horn.
- Disconnect the “Cable 1” RJ45 connector from its corresponding port on the horn.
- Carefully route the cable out of the port cover.
- Reinstall the port cover.

B. Remove the horn mount.

- Loosen the two hose clamps securing the horn mount to the mast pole, and remove the horn mount.

STEP 4

Disassembling the Mast

NOTE: The mast will consist of either one full pole section (Type 1) or two half pole sections (Type 2).

A. Remove the mast from the mast base.

- Remove the two retaining bolts securing the mast pole in the mast base (**Figure 8**).
- Slide the lower end of the mast pole out of the mast base.



Figure 8. Mast Pole Retaining Bolts

B. Disassemble the mast (FOR TYPE 2 MASTS ONLY).

CAUTION Cables for the speaker and cameras are pre-installed in the mast. BE SURE the cabling inside the mast halves does not become cut, crimped or otherwise damaged when disassembling and separating the mast halves.

- Disassemble the two mast pole sections:
 - Remove the (**QTY?**) nuts and retaining bolts, and carefully separate the mast pole sections.
 - (**ARE ANY CABLE DISCONNECTIONS NECESSARY WHEN DISASSEMBLING MAST HALVES?**)

C. Raise and secure the mast base

! WARNING ! Be sure to support the mast base in the upright position until nuts are installed on the mast base retaining bolts. Failure to comply may allow the mast base to pivot away from the skid in an uncontrolled manner, resulting in equipment damage or personal injury.

- Carefully pivot the mast base cylinder receiver toward from the skid base (**Figure 9**).
- Install the two nuts on the mast retaining bolts (**Figure 10**), and tighten the nuts securely. This will secure the mast flange to the skid base, and hold the mast base in the upright position.



Figure 9. Mast Base Pivot Direction



Figure 10. Mast Base Retaining Bolts and Nuts

STEP 5

Stowing the Solar Panel Assembly

There are two different skid versions. The process for stowing the solar panel differs between Version 1 and Version 2 skid models. Determine which model you are breaking down before proceeding, as follows:

- Version 1 skids are equipped with lateral extension brackets on either side of the skid body.
- Version 2 skids are equipped with hydraulic lift support struts on either side of the skid body.

For Version 1 Skids:

! WARNING ! The solar panel assembly is heavy. Do not STOW the panel alone. Have one person hold the panel in the extended position while a second person DISCONNECTS and STOWS the retention arms. Failure to comply may result in PERSONAL injury.

A. Disconnect the retention arms (Figure 11).

NOTE: there are two retention arms; one in either side of the skid.

- (Person 2) Hold the solar panel SECURELY in the extended position while the retention arms are being disconnected.
- (Person 1) Remove the nut and retaining bolt securing the first retention arm to the skid.
- Repeat for the second retention arm.

B. Stow the solar panel assembly.

- (Person 1) Slowly lower the solar panel assembly toward the skid body.
- (Person 2) Install the retaining bolts and nuts at both sides of the skid to secure the solar panel assembly in the retracted position.



Figure 11. Solar Panel Assembly - Retention Arm Secured

For Version 2 Skids:

A. Disconnect the support arm (Figure 12).

- Remove the retaining bolt and nut securing the support arm to the solar panel assembly.
- Place the support arm in the vertical position, and secure the arm to the skid frame using the retaining bolt and nut.

B. Retract the solar panel assembly.

- Apply firm, even pressure to both sides of the solar panel to overcome the hydraulic pressure and compress the hydraulic lift support struts.
- Secure the solar panel in the stowed position by installing the middle retaining bolt and nut (**Figure 13**).



Figure 12. Solar Panel Assembly in Extended Position



Figure 13. Support Arm Retracted – Middle Retaining Bolt and Nut

External References

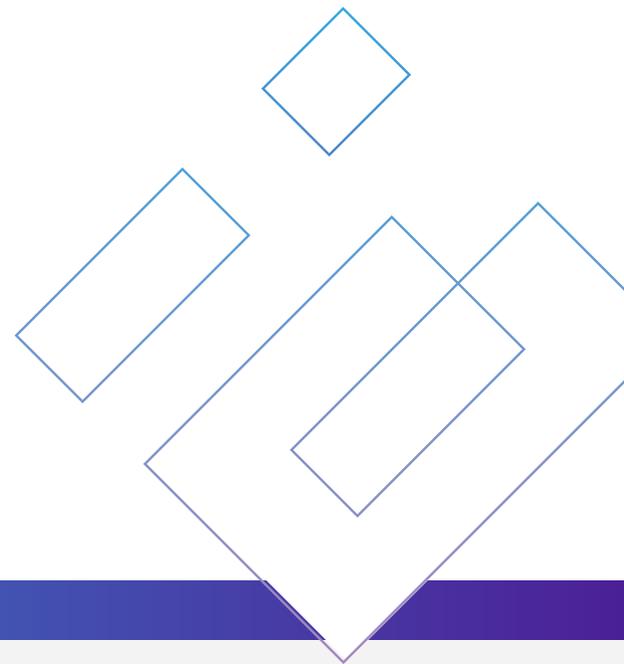
Cameras and Equipment Links

[Axis Q6125-LE Network Camera Installation Guide](#)

[Axis Q6135-LE Network Camera Installation Guide](#)

[Axis C3003-E Network Horn Speaker Installation Guide](#)

[Axis C1310-E Network Horn Speaker Installation Guide](#)



5 simple steps to demobilizing your Standard Skid.

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

Learn more today:  [epicio.com](https://www.epicio.com)

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