

F-15SA Hazard Data Worksheet

Hazard # SA49-14a

Last Update: 3/15/2024

Effectivity: Production BCU3

Software: No

Component/Function/Task

New and unique electronic equipment for F-15SA BCU3 upgrades
MIDS JTRS

MIL-STD: 882E

Hazard Description

Flight worthiness issues –
- structural integrity

Hazard Cause

- 1) Design unable to withstand F-15 operational environment.
- 2) Equipment faults, such as attachment hardware and equipment shelves.
- 3) Installation errors.

Hazard Effect

Minor damage to equipment.

Phase: ALL

Initial Risk: **HAZ CLASS:** III - Marginal **HAZ PROB:** D - Remote **RISK:** 14

Hazard Action:

- 1) Ensure equipment is qualified to F-15 environmental requirements.
- 2) Ensure TO data provides adequate installation procedures.

Current Risk: **HAZ CLASS:** III - Marginal **HAZ PROB:** D - Remote **RISK:** 14

Final Risk: **HAZ CLASS:** III - Marginal **HAZ PROB:** D - Remote **RISK:** 14

Hazard Status: Monitor

Remarks:

Severity: Marginal (III). Assessed as Marginal based on the potential for localized damage to surrounding equipment and structure if equipment is liberated. See Hazard SA14-19 for potential impact of FO to flight controls.

Probability: Qualitatively assessed as Remote (D) based on USAF mishap history.

Hazard Action 1 complete

Reference Documents:

- 1) MIDS JTRS Qual Assessment.doc

Linked Hazards: MIDS JTRS 600

Revision History:

- 05/02/2022 – Hazard Initiation
- 03/15/2024 – Hazard Status updated to MONITOR
- 03/21/2024 – Hazard Action 1 marked complete