

Critical Defects Analysis Reports

Basic Information

Name of the Ship/Establishment	Department	System	Sub-System	Unique Identification Code	OEM
INS Cheetah	Electrical	Radar System	Power Supply Unit	22222	DEF

Date Defect Occurred	Date Defect Resolved	If defect still outstanding, reasons thereof
01/02/2024	05/02/24	Applicable

Defect Analysis

Brief Description of the Defect	Defect Analysis
Weak or intermittent signal output	The magnetron showed signs of overheating, which was resolved by replacing it with a new unit.

Defect Resolution

Steps taken to resolve the defect	Spare parts used to resolve the defect	Important correspondence related to defect analysis and resolution (OPDEF, STOREDEM, etc.)
The radar system was powered down and disconnected from its power source. All high-voltage capacitors were discharged to ensure safety. The faulty Power Supply Unit was identified according to the system's	Power Supply Unit	REPAIRREQ 02/24, MATREQ 03/24

maintenance manual and subsequently replaced. Once the new unit was installed, the input/output voltage, current, and overall performance were tested to confirm compliance with the operational standards outlined in the manual."		
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Key Personnel involved in Defect Analysis and Resolution

Sl. No.	Name	Rank/Designation	Unit
01.	Sanatan Gridharan	Foreman	Repair Unit 4
02.	Vishwanath Shrirang	HSK 3	Repair Unit 4
03.	S Desai	HSK 2	Repair Unit 4