

Critical Defects Analysis Reports

Basic Information

Name of the Ship/Establishment	Department	System	Sub-System	Unique Identification Code	OEM
INS Tiger	Electrical	Radar System	Control Board	55555	MNO

Date Defect Occurred	Date Defect Resolved	If defect still outstanding, reasons thereof
01/05/2024	05/5/2024	Not Applicable

Defect Analysis

Brief Description of the Defect	Defect Analysis
System shutdown unexpectedly	The magnetron had a short circuit issue that was resolved through the replacement of the faulty component.

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,)
Following the safe power-down of the radar system and the discharge of all capacitors, the defective Control Board was carefully removed. A new control board was installed based on the system's technical specifications.	Control Board	SYSTEMCHK 08/24, ORDERCONF 09/24

Functional checks, including signal processing, system control commands, and diagnostic feedback, were conducted. The system's performance was confirmed to be stable and within the required operational limits.		
---	--	--

Key Personnel involved in Defect Analysis and Resolution

Sl. No.	Name	Rank/Designation	Unit
01.	Tika Ram	Senior Foreman	Repair Unit 1
02.	S Desai	HSK 2	Repair Unit 1
03.	Vishwanath Shrirang	HSK 3	Repair Unit 1