

TSAR : Telecommand Station for ARIANE Launcher Series



- TSAR is a dependable Telecommand station, designed to send the self-destruct command to the ARIANE launch vehicle (Ariane IV or V) if a failure occurs which could endanger human safety.
- Computers used in the station are designed and industrialized by ELTA according to TECHNICATOME specifications within the framework of nuclear boiler room Control / Command systems for French submarines and aircraft-carrier.
- All the equipment composing the station is designed for oriented breakdowns. The rate of unsure breakdowns is very small. The probable breakdowns engage the equipment towards a stable and safe mode according to the global performance of the station.

Key features

Highly Safe and secure station

Dependable Architecture

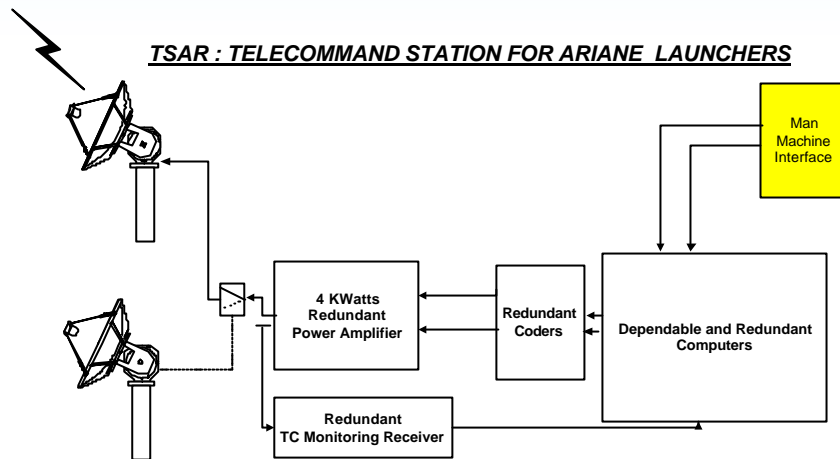
Multiple launch vehicles

Integrated security

Long durability design



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General features	
TC	2 hot redundant Telecommand uplinks, compatible with ARIANE IV and V
EIRP	> 50 dBW
Safety operation	No answer to an order 10^{-6} Spurious order : 10^{-9}
Dependable Management System	7 safe and dependable computers 14 voters 2/3

Options
Monitoring System
Maintenance in Operational Condition
Training
Validation Test Bench



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