

# SAFETY OF FLIGHT & QUALIFICATION TESTING

Test to Endure

## About

Before any weapon/system is cleared for first flight, it must undergo rigorous testing in order to meet Safety of Flight (SOF)/Full Qualification requirements. Over the years, BHSPL has developed extensive expertise in conducting these tests for both **mechanical and avionics components**.

BHSPL carries out testing to obtain compliance of weapons/systems to **MIL-STD-810/ JSS-55555 (environmental testing)**, **MIL-STD-461 (electromagnetic interference)**, **MIL-STD-704 (aircraft electrical power systems)**, **MIL-STD-8591 (aircraft store compatibility)**, **MIL-T-7743 (store suspension and release equipment)**, etc.

Comprehensive testing is required to thoroughly evaluate performance & durability of Weapons/Systems before they are integrated onto the aircraft and cleared for operational use.



# SOF & QUALIFICATION TESTING



Blue Hat Solutions

Test to Endure



Vibration Test (RCI, Hyderabad)



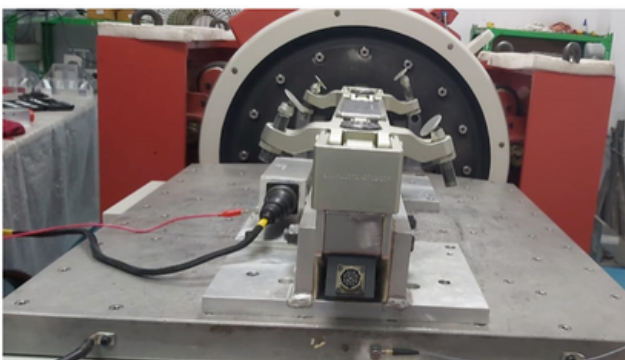
Shock Test (R&DE(E), Pune)



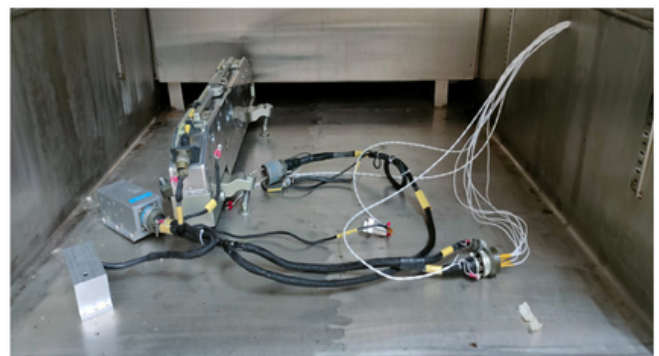
Pit Drop Test



Ejection Test (BHSPL facility, Bangalore)



RV1 & RV2 of ERU & PCU (SEOINCS, Bangalore)



CATH Test (ITI, Bangalore)