



TReX II-23-06 MOD-001: Sensor Survival and Operation in Combined Nuclear Environments (SONET) Experiment:

This prototype project will address the test and evaluation gap for nuclear combined radiation effects for satellite and Missile Defense Systems considering several test scenarios and several phases of operation/flight. The prototype project will support the Department of Defense Test Resources Management Center's mission to address the gap by assessing system under test (SUT) functional responses in single radiation environments, assessing and improving modeling and simulation capabilities which predict component functional response, establishing test methodologies for hardware in the loop testing using combined environments, and assessing SUT functional responses subjected to combined radiation environments.