

ARCSAFE™



GENERAL DYNAMICS

Wire Insulation Integrity Test System

Aircraft wiring systems maintenance has become increasingly important as fleets have aged... the FAA, DoD and industry have recognized that operators and shops need to ensure the integrity of system wiring.



Aging is not the only problem - wiring insulation can be degraded by:

- Damage during repair and maintenance
- Corrosion due to moisture and contamination
- Wear (Vibration)

Condensation, 'blue-water', and water spray intrusion can carry salts into weakened areas of insulation creating a low resistance path for power

Most visual inspections will not identify the presence of metallic salts that migrate into insulation breaches and result in arcing between conductors



Explosive Arc Fault
Polyimide insulated wire
arcing during a salt water
induced breakdown

—ARCSAFE®—

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Provides a *proactive* approach
to identifying degraded or
damaged wire insulation that
is at risk of arc faults