Flight Destruct Capabilities
CAPABILITY SHEET

DESCRIPTION:
The Electronic Safe and Arm Device (ESAD) and Destruct Charge (DC) form a reliable, flexible and complete Flight Destruct System. These two components replace the traditional four component system, which has historically included the Safe & Arm device, transfer line, manifold and Linear Shaped Charge. The 0.5 pound (0.45 kg) main charge used in this new system is an effective, reliable and RCC-319 approved explosive. A single charge eliminates the rocket motor thrust and severs the vehicle skin. The DC incorporates LEEFI detonators; the integrator or range does not need to assemble this critical interface. The system has factory selectable safe separation timers and acceleration set points that are easily configurable for various missile platform launch (arming environments). Several additional configurations are possible without impacting the baseline design.

APPLICATION:
• Flight Termination Systems
• Various missile platform launches

PROPERTIES:
• Fully Electronic Safe and Arm Device (ESAD) qualified to RCC-319
• Destruct Charge (DC) qualified to RCC-319
• 0.5 Pounds (0.45 kg) PBXN-5 main charge
• Range approved explosives
• DC incorporates LEEFI detonators
• Safety board preferred internal FPGA and accelerometer
• Multiple telemetry and configuration options