National Aeronautics and Space Administration

SCaN SBIR Technology Commercialization Workshop

SCaN Technology Coordination
August 26, 2010
James Stegeman

Overview

- Technology Coordination & Integration
  - SCaN-SBIR Technology Approach
  - Timelines
  - Pipelines
- Infusion Examples
- Questions?

Space Operations Mission Directorate
Technology Coordination and Integration

Objectives

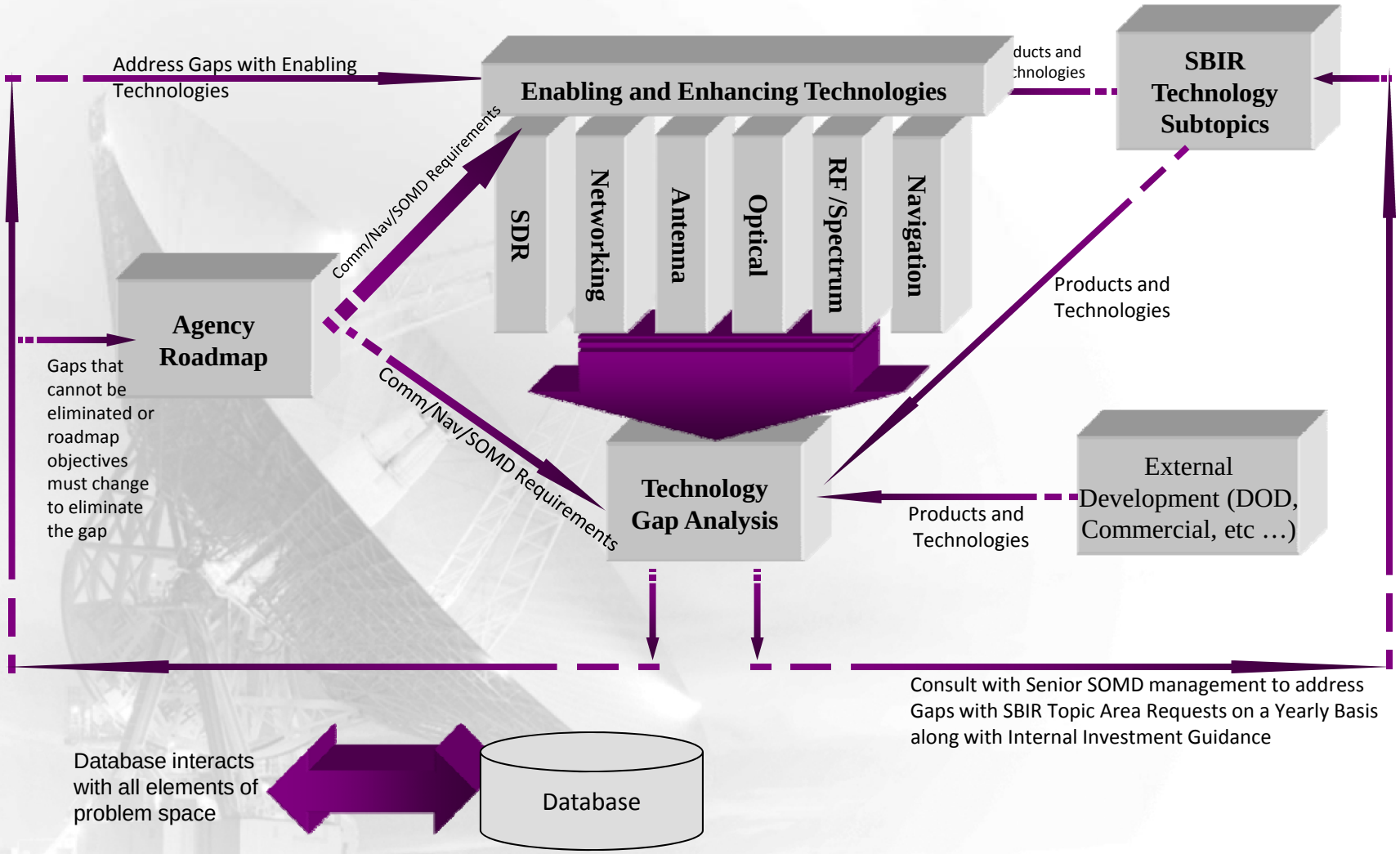
- Establish, coordinate and oversee SOMD SBIR technology areas for:
  - Space Communications
  - Space Transportation
  - Processing and Operations
  - Navigation
- Provide support and recommendations to the SCaN Technology Manager concerning the development and integration of select technology areas across the Agency.
- Establish flight demonstration process featuring NASA technology products

Approach

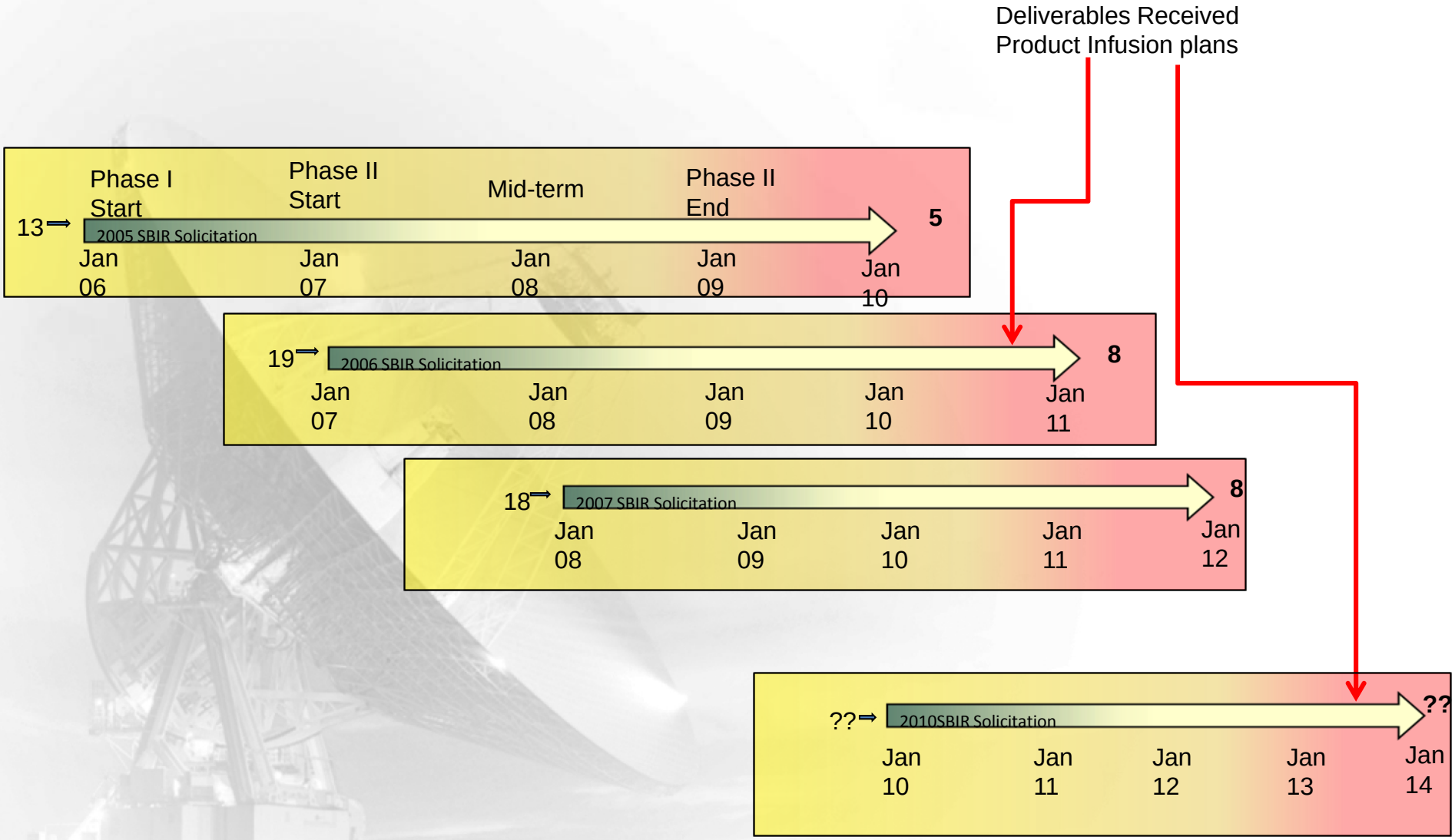
- Coordinate technology developed under the SBIR program to augment Agency efforts.
- Discuss technology needs with SOMD, ESMD, SMD, OGA and industry
- Cluster sub-topics to support the development and maturation of critical technologies for infusion.

- Provide technology "match making" capabilities/systems for potential internal and external customers

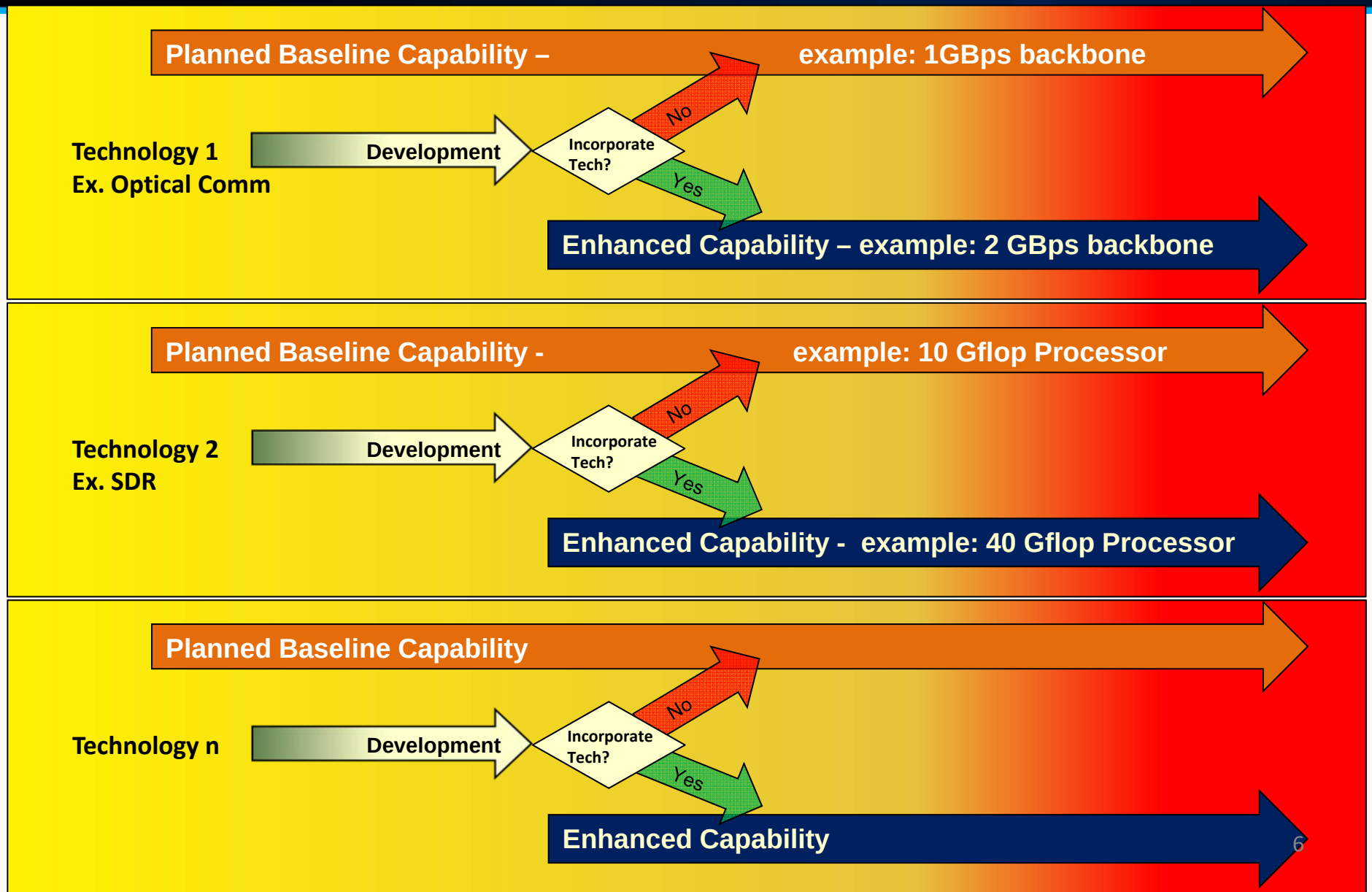
SCaN
Technology Integration/Coordination Process



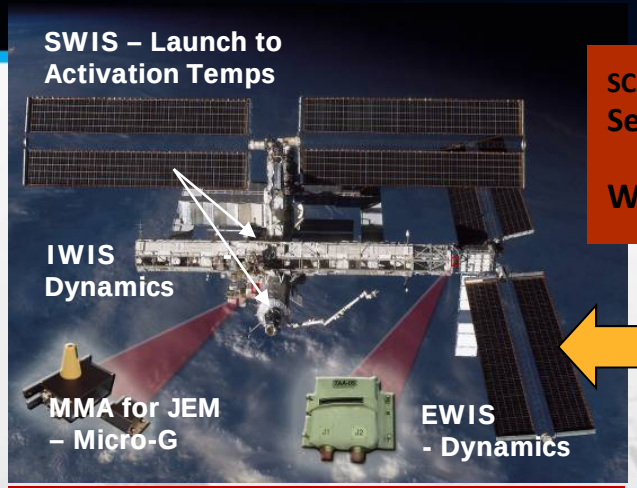
SOMD SBIR Technology Development Timeline



Technology Pipelines
SOMD SBIR



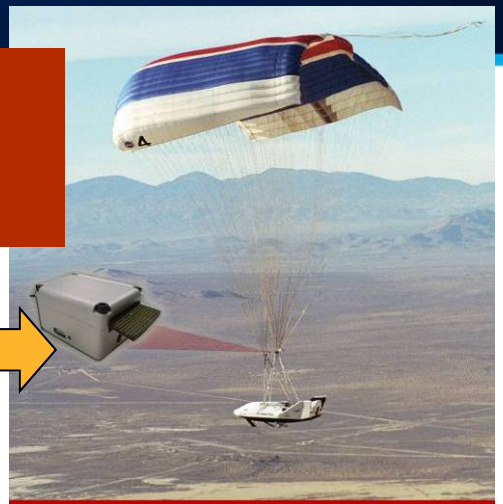
SBIR Contribution to Wireless Technology



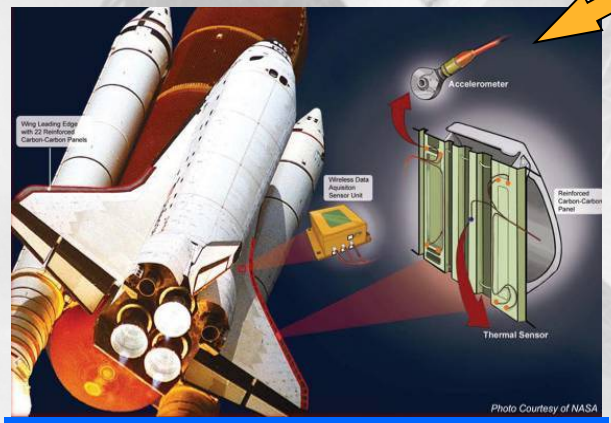
Microgravity Instrumention
(And Structural Dynamics)

Invocon, Inc.
2006 SBIR Tibbetts Award

SCAT SBIR
Sensor Control and Acquisition
Telecommunications
Wireless Instrumentation Systems

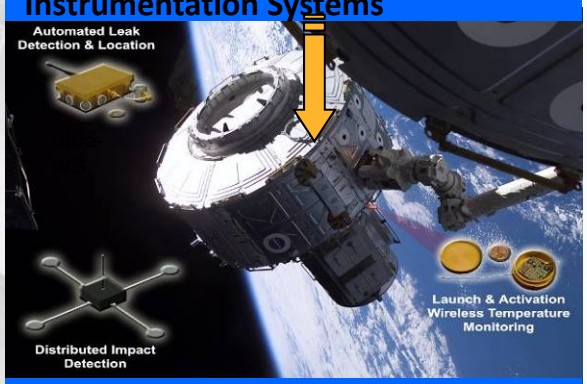


Development Flight Instrumentation

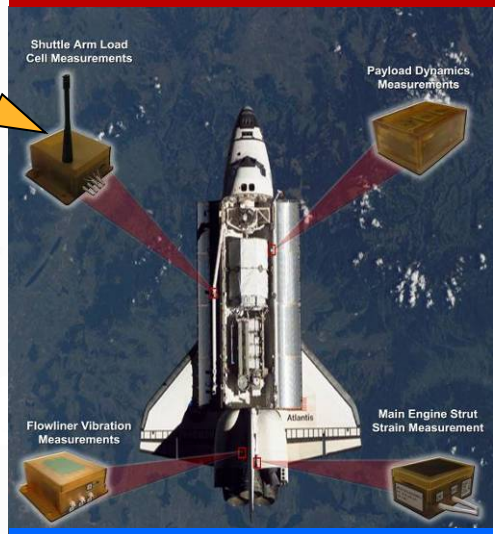


Wing Leading Edge
Impact Detection System

Micro-Wireless
Instrumentation Systems



Vehicle Health Monitoring Systems
with Wireless Systems



Wireless Instrumentation
and Data Recording

SOMD

Questions?