

Technology Transition Efforts to support National Security Space (NSS) Capability

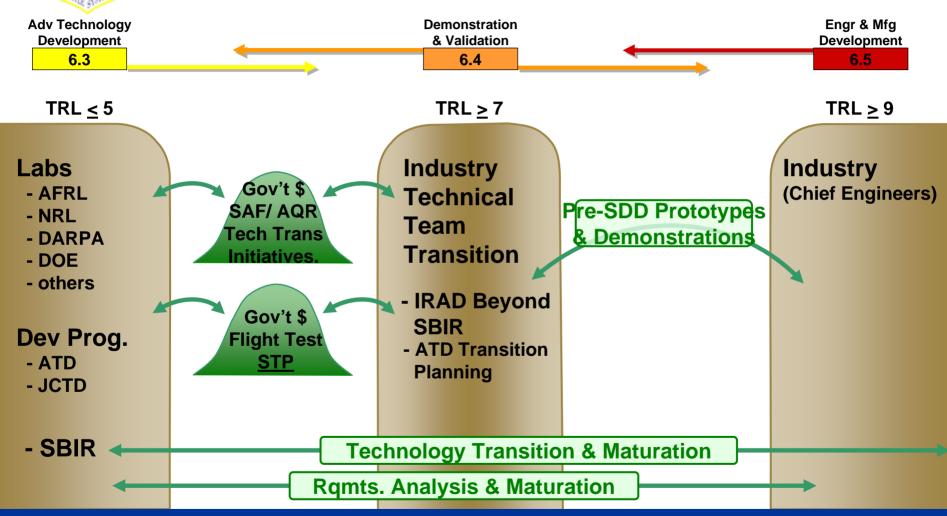
NDIA 10th Annual DoD Tech Expo and Conference

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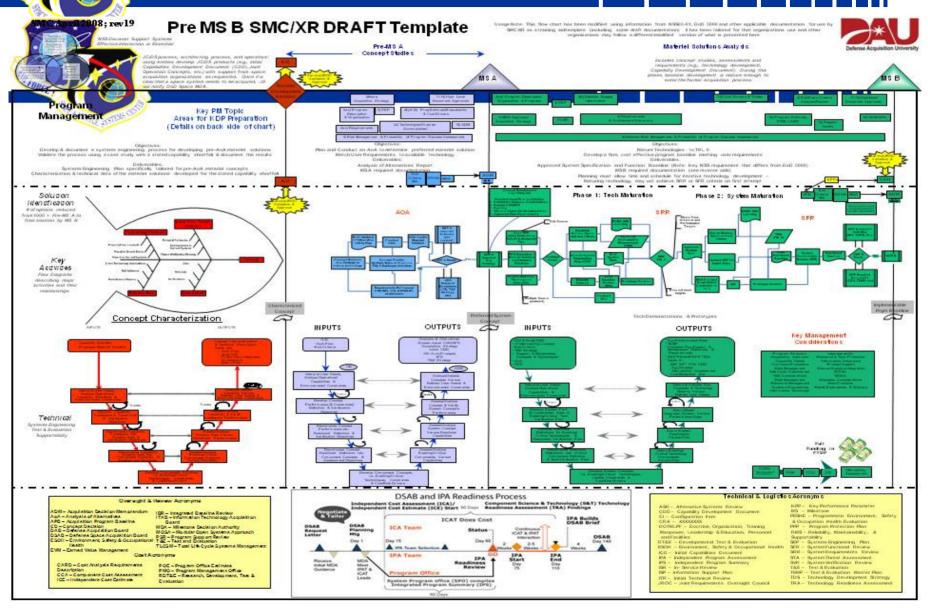


Integrated Technology Transition



Build Better Transition Capabilities & Processes to Mitigate Technology Transition "Valley of Death"

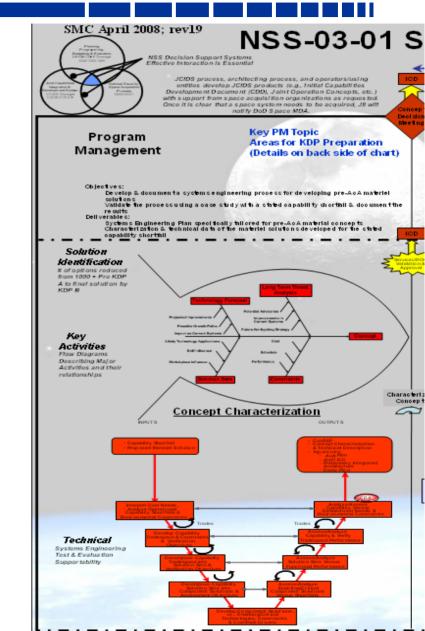
DRAFT SMC/XR Horseblanket





Pre-MDD Concept Maturation Phase

- SMC/XR Emphasis
 - Concept characterization elements
 - Early Systems Engineering Rigor
 - SAF/AQR Pre-Acquisition Early Systems Engineering initiative
 - Led to Systems Engineering "V" for this phase
 - Signed Systems Engineering instructions/guidance
- Potential updates to "Horse Blanket"
 - Highlight concept development Functional Solutions Analyses (FSA) linkage
 - AF Policy initiative to require SAF/AQ Technical sufficiency check of CCTDs at the MDD Interface
- Additional Considerations Lead to Metrics
 - Technical sufficiency in advance of an AoA
 - Characterization of effectiveness and suitability parameters
 - Quantifiable & Testable?
 - Characterization of "relevant environment" for each concept
 - Logistics "ilities" avoid 'unobtanium'





Pre-MS B Demonstration and Prototyping

SMC/XR Emphasis

- Key PM Data Elements (cost
- Expansion of Concept Development into 2 phases
 - Tech Maturation and System Maturation
- Prototyping-per Young 2007 Memo
- DSAB and IPA Readiness Process (-B preparation)

Potential revisions to "Horse Blanket"

- Prototyping and competition policy implications
- DoDI 5000.2 adjustments
- Verify AFI 63-101 Acquisition and Sustainment Lifecycle Mgmt

Additional Considerations Lead to Metrics

- Early TEMP development
- Technical performance measurement/monitoring

