

2009 GSAW Briefing

Captain Bryan Lowe, SMC/SCNG Tom Sullivan, Aerospace Corporation

ACR & MISSILE SYSTEMS CON

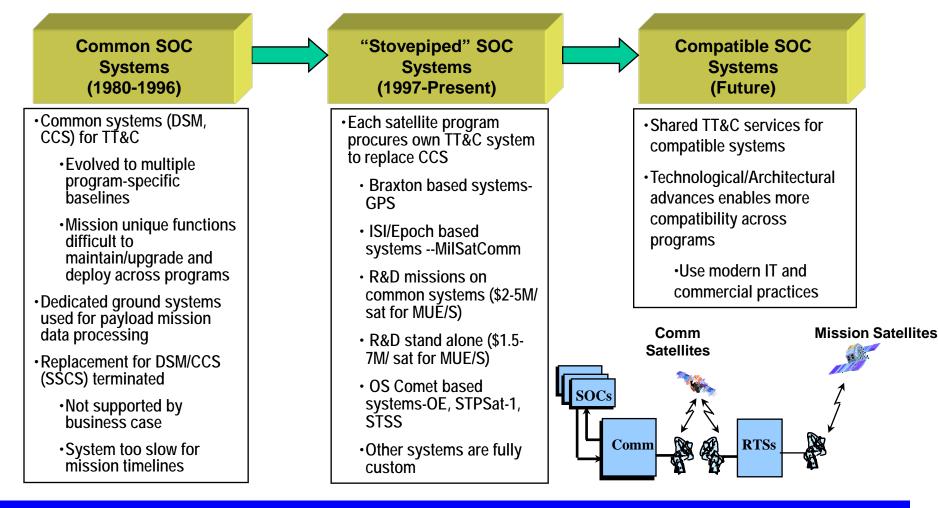
CONTROL & NATWORK STR

24 Feb 2009

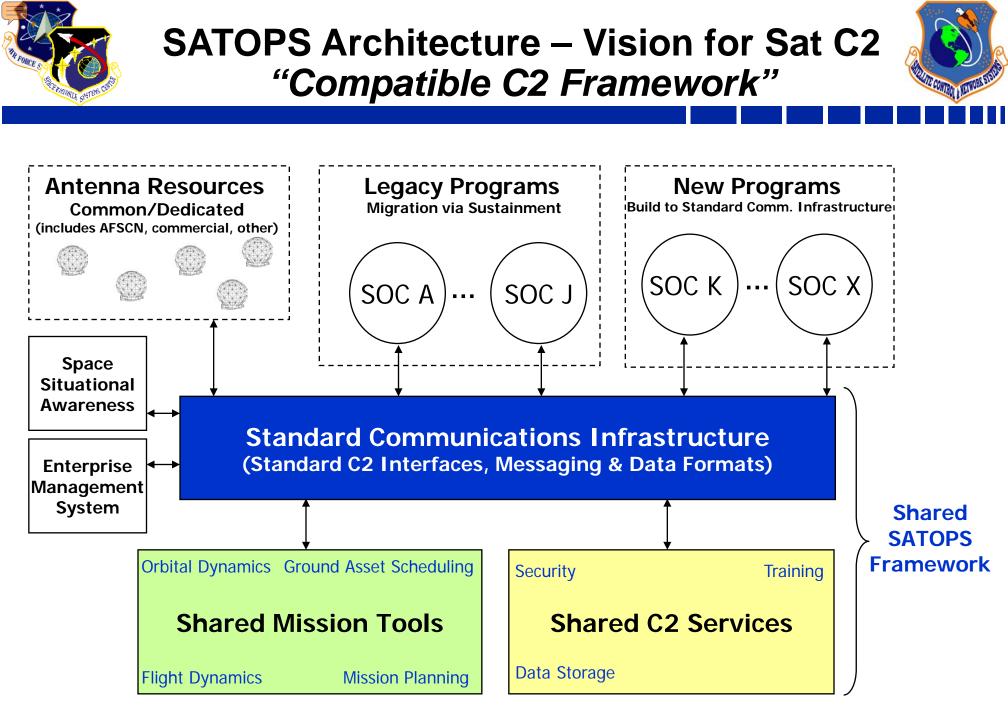


C² Evolution at SMC





Opportunity for "middle ground" – Compatible SOC for reduced life-cycle cost and risk







- Standardized Interfaces
- Standardized Message Formats
- Standardized Data Formats (CCSDS)
- Standard Infrastructure
- Publish and Subscribe
- Shared Services
- Increased Vendor Independence

Potential Benefits

- Reduced life cycle cost to develop and sustain new services (via reuse and standardization)
- Capability for situational awareness at SOC



SAT C2 CONOPS

Single Satellite Mission

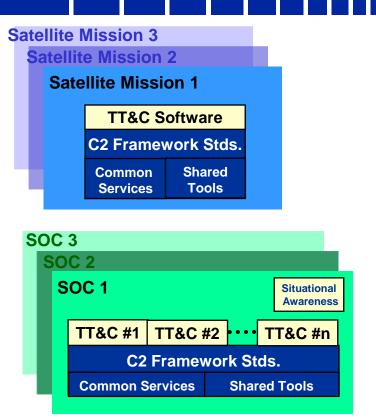
- Common Tools Reused at Initial Acquisition and Recapitalization
- Focus is on reuse vice integration

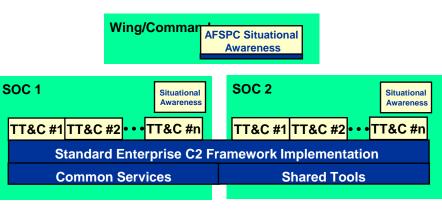
Multi-Mission SOC

- Common Services & Tools
- Simplified training and maintenance
- SOC Situational Awareness

Wing/Command Enterprise

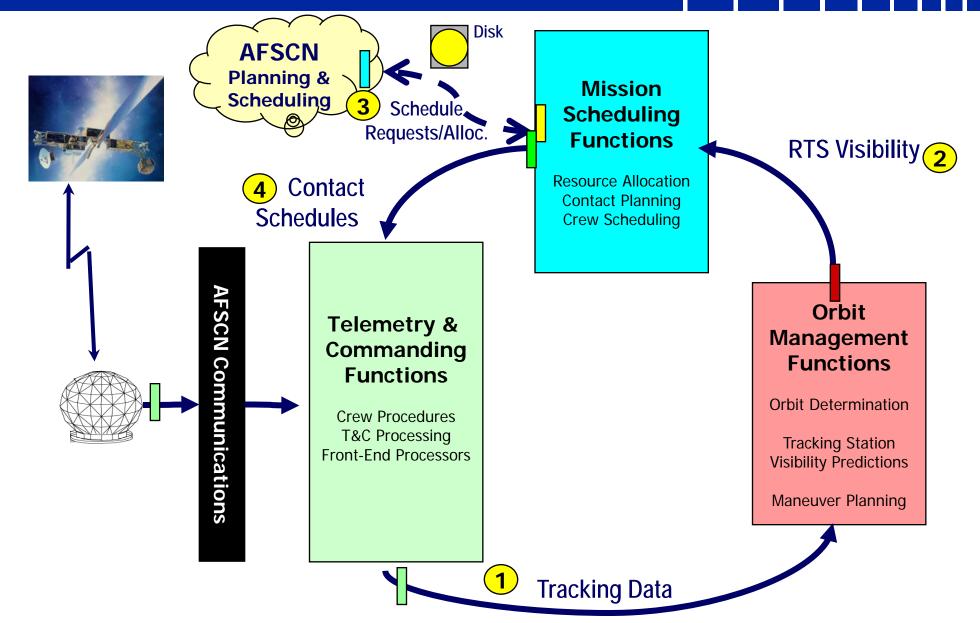
- Enterprise-wide Implementation & Integration
- AFSPC Situational Awareness
- Simplified training and maintenance

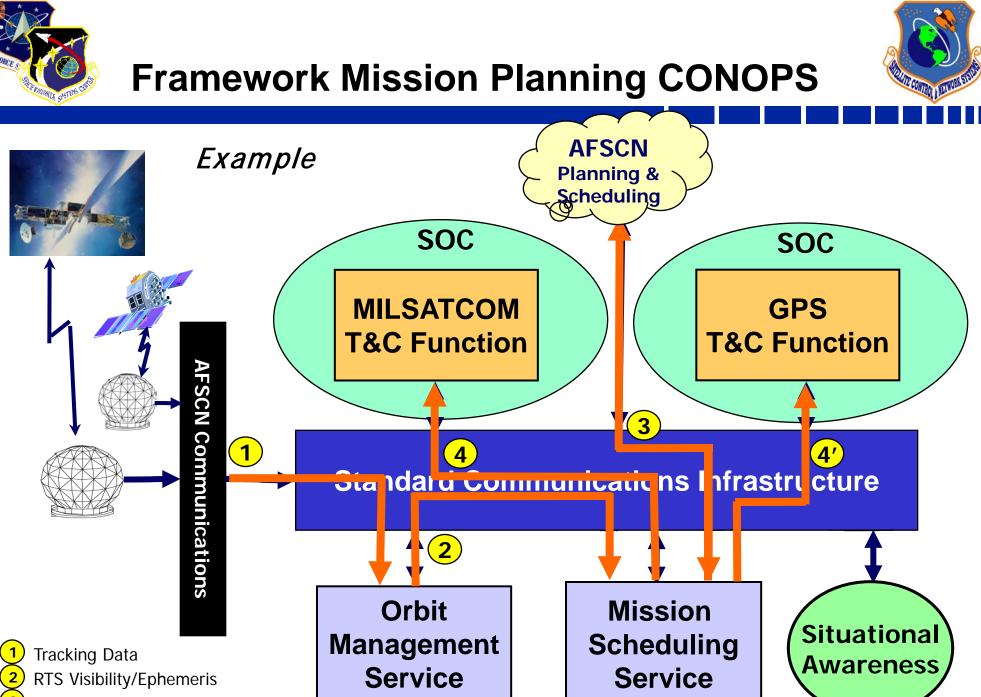






Current Mission Planning CONOPS

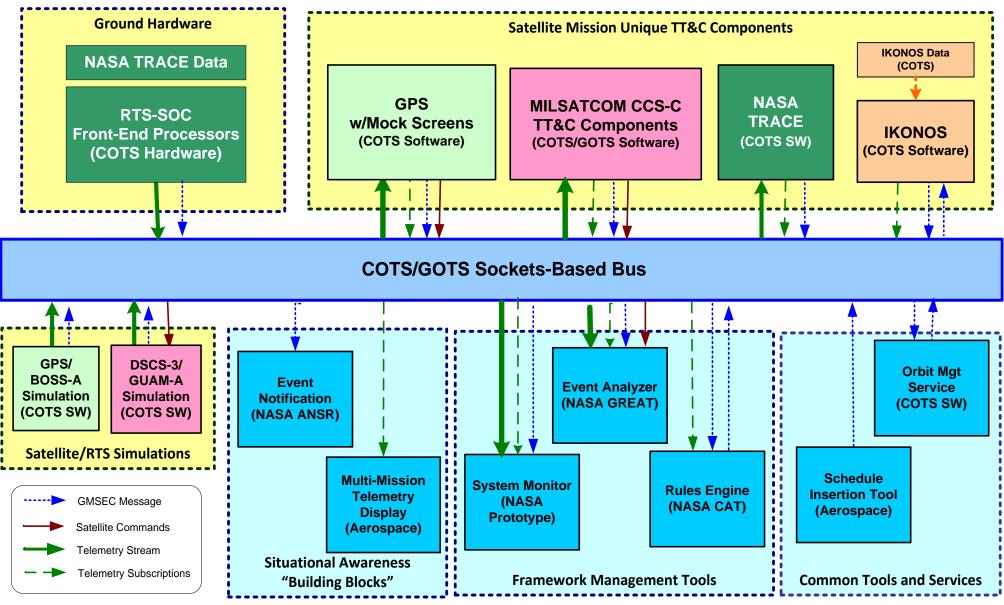




Resource Requests/Allocation Contact Schedules



Phase 1 Test Bed – Logical View







- A more "compatible" C2 architecture is technically viable and offers potential efficiencies in C2 acquisition and O&M for SMC
 - Also enables greater Situational Awareness across ground and space assets
- C2 Standards to describe data for Government systems are needed to improve interoperability