Air Force Space & Missile Systems Center (SMC)

Industry Days

Lt Gen Michael Hamel

Commander

SMC Mission Overview

Milstar/AEHF(Comm)
DSCS/GBS/WGS(Comm)
TSAT (Comm)
GPS (Navigation)
DSP/SBIRS (Surv)
NUDET (Nuclear Detection)
DMSP (Weather)

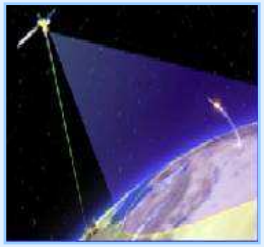
Space Force Enhancement

Launch Systems
Spacelift Range
Sat Control & Network

Space Support

Develop, acquire, field and sustain the world's best space and missile capabilities for the joint warfighter and the nation

Space Superiority



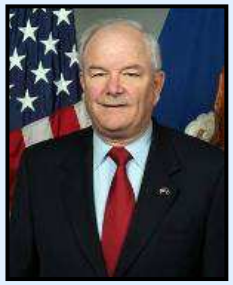
Space Situation Awareness
Defensive Counter Space
Offensive Counter Space

Force Application

ICBMs
Prompt Global Strike

Delivering Operationally Responsive Military Space Capabilities to Preserve Peace and Win Conflicts

AF Space Organization



MR. MICHAEL W. WYNNE
SECRETARY OF THE AIR FORCE
Acquisition Execution

U.S. Air Force

GEN C. ROBERT KEHLER
COMMANDER
Organize, Train, Equip

AF Space Command

SMC

Space Development, Acquisition, & Sustainment

14th AF

Space Forces And Operations

20th AF

ICBM Forces

SIDC

Space Warfare Development

SMC Organization

COMMANDER PEO SPACE

VICE COMMANDER

EXECUTIVE DIRECTOR

CENTER STAFF

LAUNCH & RANGE SYSTEMS WING

SPACE SUPERIORITY SYSTEMS WING

SPACE BASED INFRARED SYSTEMS WING

SPACE DEVELOPMENT & TEST WING

MILSATCOM SYSTEMS WING

GLOBAL POSITIONING SYSTEMS WING

SATELLITE CONTROL & NETWORK SYSTEMS GROUP

DEFENSE METEOROLOGICAL SYSTEMS GROUP

SPACE RADAR SYSTEMS OFFICE

MISSILE DEFENSE SYSTEMS GROUP

526th ICBM SYSTEMS Group (OO-ALC)

850th ELECTRONIC SYSTEMS GROUP (ESC)

DEVELOPMENT PLANS

CONTRACTING

PROGRAM MANAGEMENT & INTEGRATION

ENGINEERING & ARCHITECTURES

FINANCIAL MANAGEMENT AND COMPTROLLER

SPACE LOGISTICS GROUP

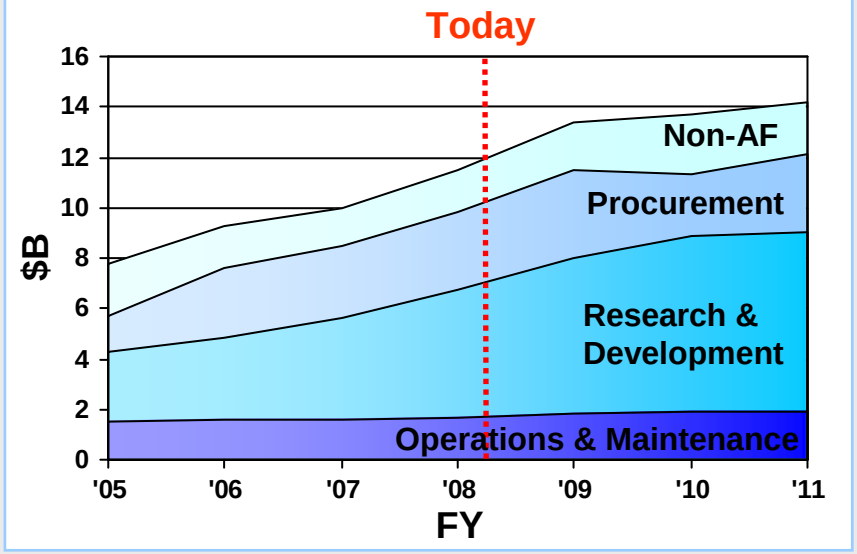
61st AIR BASE WING

CENTER RESPONSIBILITIES

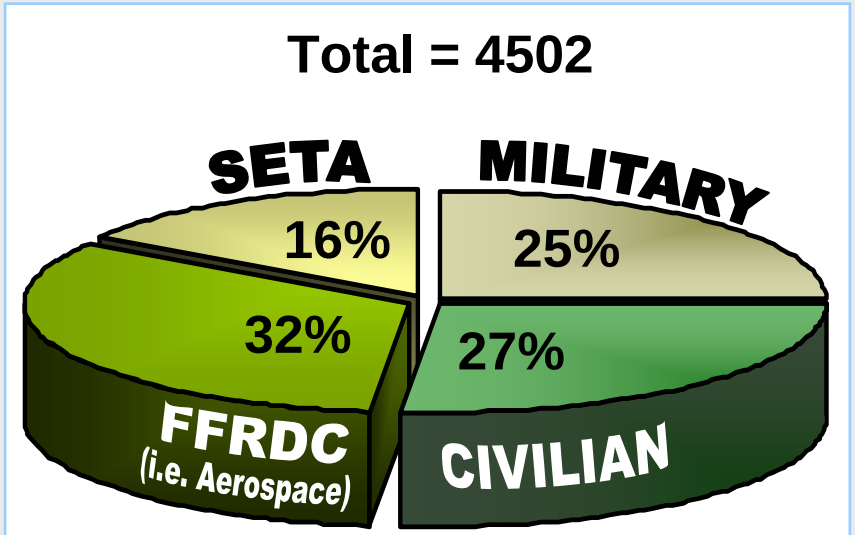
PEO RESPONSIBILITIES

SMC Acquisition Resources

Budget Responsibility



Workforce

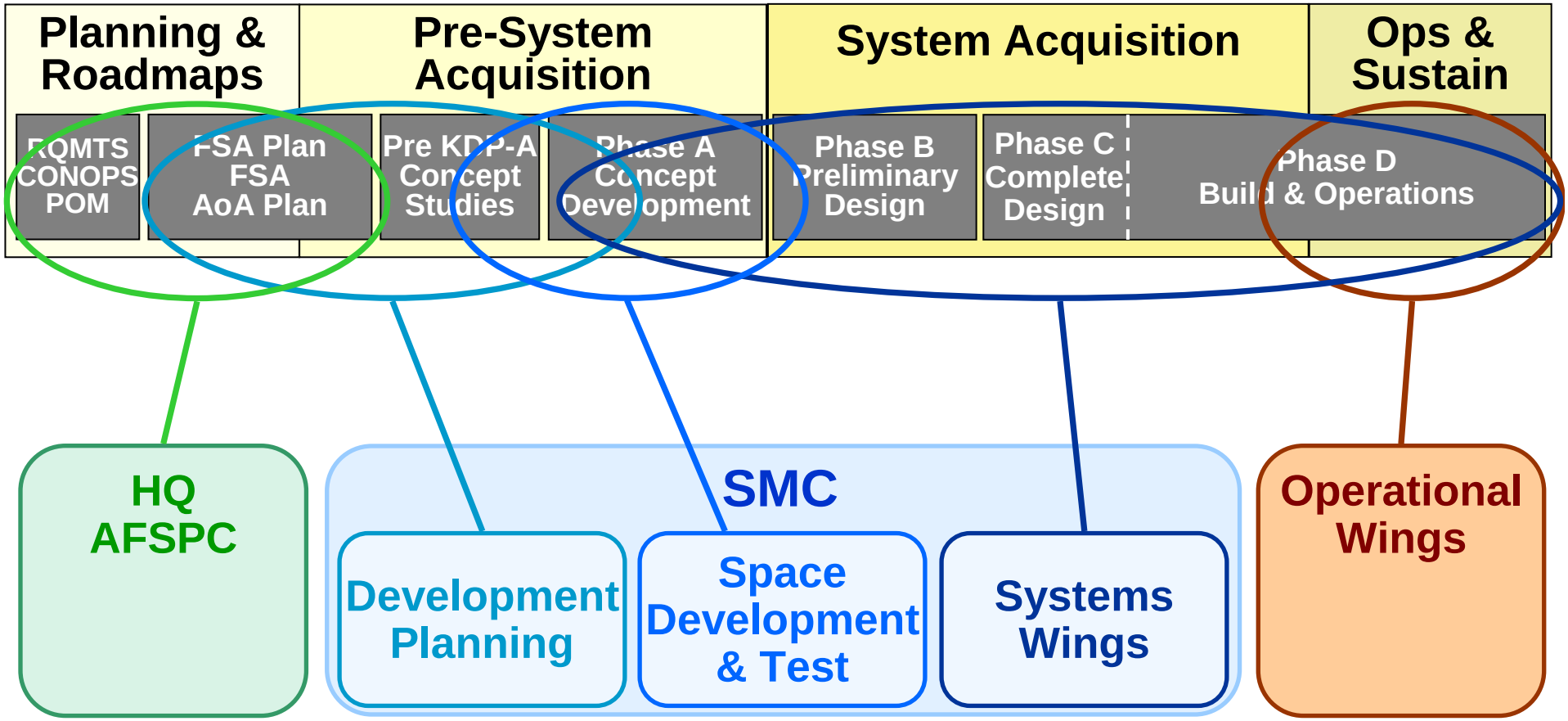


The Aerospace Corporation

- Created in 1960 as a California nonprofit corporation at the request of the government
  - Governed by Board of Trustees
  - Space science and engineering in government interest
- Operates a Federally Funded Research and Development Center (FFRDC) sponsored by Air Force
  - FFRDC contract with AFSPC/SMC
- FY06 Assets and Budget
  - 3600+ people (2600+ tech staff)
  - Approx $700 million in revenue

Dedicated to Space Mission Success and Government Service

AFSPC Life-Cycle Management



Space System Development Cycle

Launch

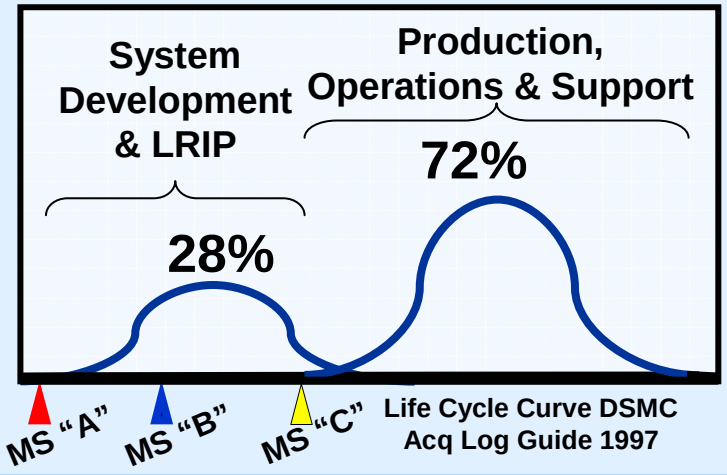
Develop
- Requirements/ ConOps Definition
- System Concepts
- Technology Demo
- Design / Engineering

Acquire
- Contract
- Manufacture / Produce / Code
- Assemble, Integration / Test
- Space-Ground-User Segment/Integration

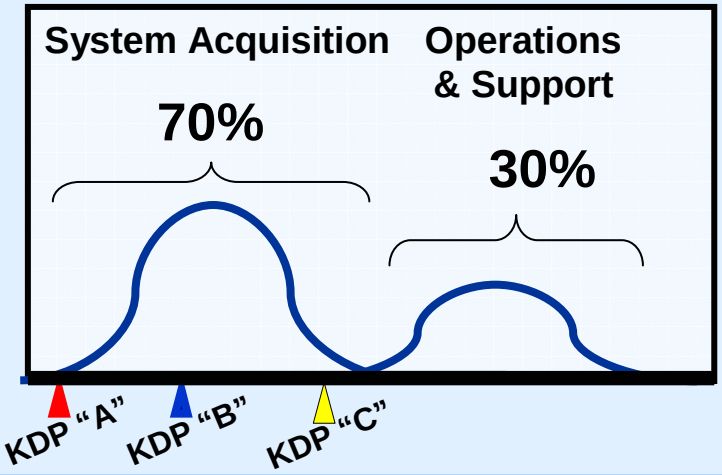
Sustain
- On-Orbit Constellation Management
- Ground Systems
- Satellite Anomaly

Evolve
- Space/Ground Segments
- User Equipment

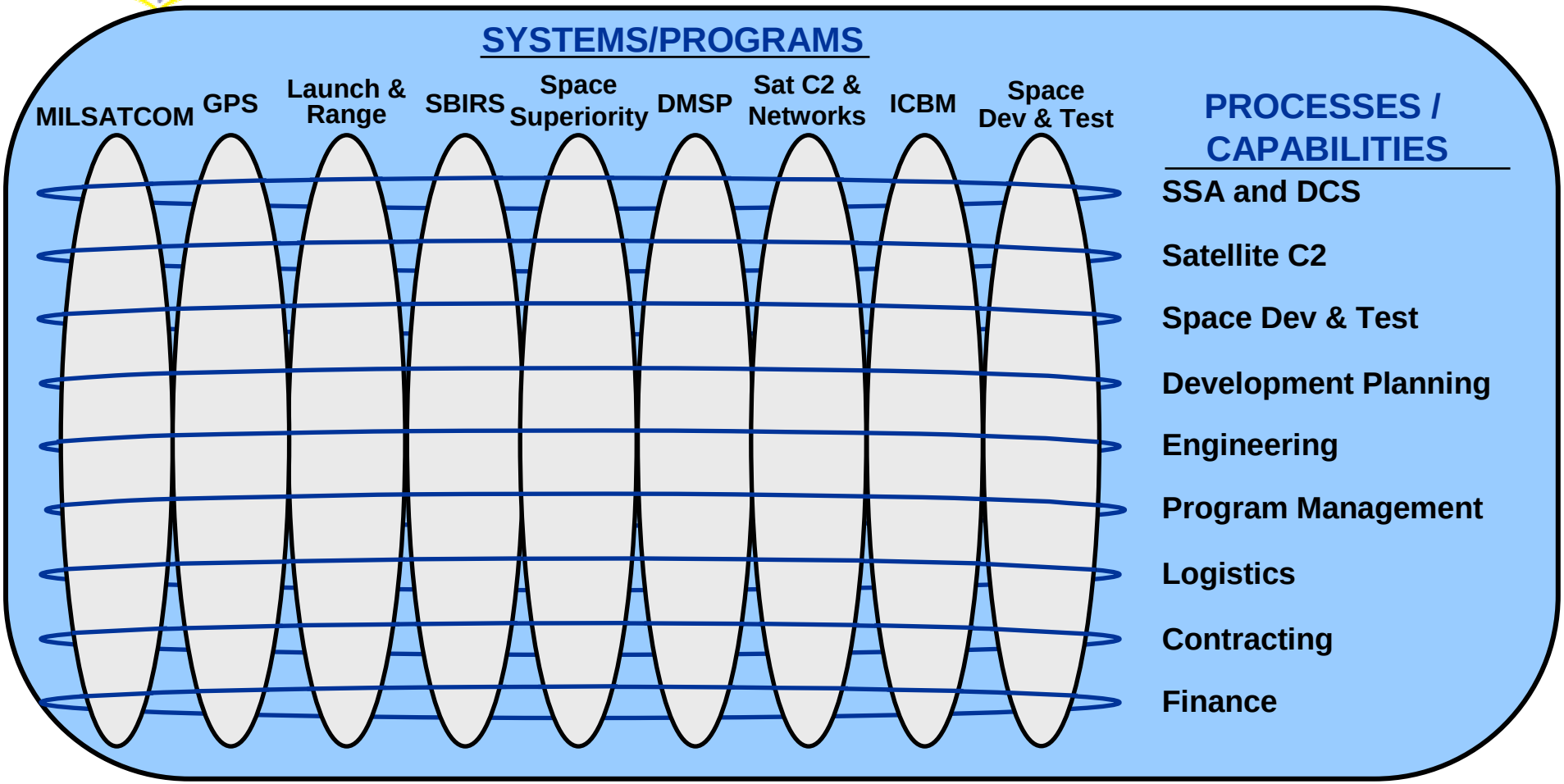
Typical DoD Life Cycle Cost Curve



Notional Space Life Cycle Cost Curve



Integration Across Space Portfolio



Strengthening Horizontal Integration Across the AF Space Portfolio

SMC Focus Areas

- **Qualified Space Acquisition Workforce**
  - **Military/civilian/FFRDC/SETA, recruiting/training/mentoring, technical program management, leadership development**
- **Structured, disciplined acquisition processes**
  - **Systems engineering, Specs/Standards, Program Mgmt, Mission Assurance, Cost Estimating**
- **Strengthen partnerships**
  - **Between SMC SPO's/functionals, across space community, with industry and the joint warfighter**
- **Implement new business model**
  - **4-tiered development process – S&T, technology, system dev/demo, system production**
- **Horizontally integrate capabilities across the space enterprise**
  - **Support DOD Executive Agent for Space, integrated space architectures, integrated air-land-maritime-cyber capabilities**

"Delivering on Commitments"

SMC Way Ahead

- Continue 100% Mission Success
- Deliver major new systems/mission capabilities in next 18-24 months
  - New Space Based IR, Comm Satellite, New Space Situational Awareness
- Put new programs on path to success
  - Next Generation GPS & Comm
- Define, develop and demonstrate new space concepts, systems, capabilities
- Rebuild space development and acquisition workforce, expertise, processes, and culture
- Strengthen partnerships across DoD Space and Industry