



AFMC

Developing, Fielding, and Sustaining America's Aerospace Force



U.S. AIR FORCE

SUMMIT V

**Arming the Warfighters
by
"Transforming the Sword"**

**Dr. Steven F. Butler
Director, Engineering
Air Armament Center, Eglin AFB**

Integrity - Service - Excellence



Rumble



AFMC





Air Armament Summit

Collaboratively Shaping AF Weapons Futures



STAFF



EXECUTIVE GUIDANCE



REQUIREMENTS PULL

WARFIGHTERS



TECHNOLOGY PUSH



INTERNATIONAL

PROGRAMS OFFICES



LABS



ACADEMIA



INDUSTRY



Air Armament Summit Process



AFMC

External Shaping

Environmental Influences

Feedback To AF Processes

Armament Initiatives

AF Task Force CONOPS

**SUMMIT
PROCESS**

Updated Roadmaps

AF Investment Strategy

AAC

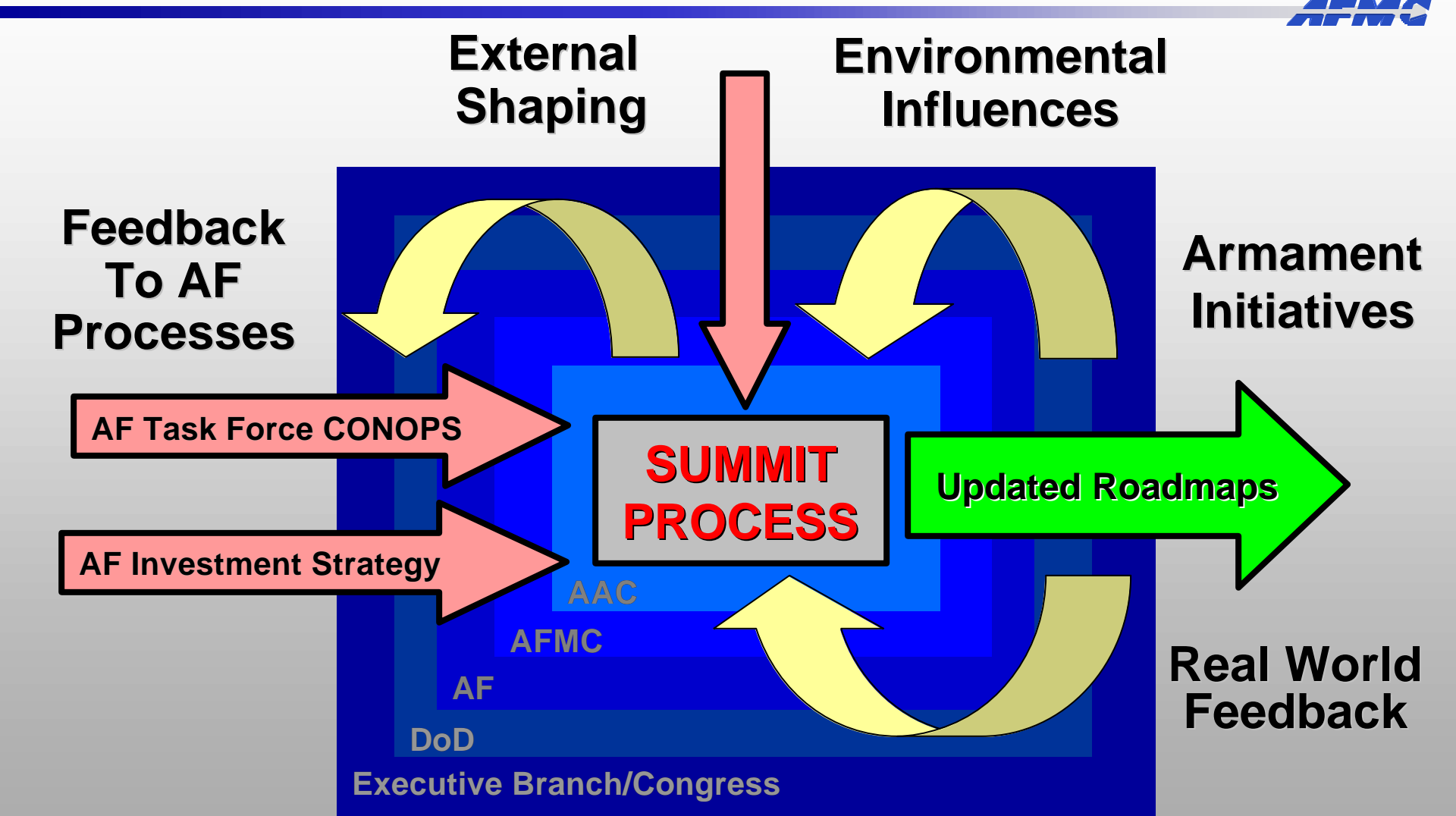
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AF

DoD

Executive Branch/Congress

Real World Feedback





Air Armament Summit Year-Long Evolution



AFMOC

SUMMIT

March

Panel Progress
Review Meetings
Fall & Winter

Summit Products
Distributed
Late Spring

Panel Work
to
Resources

New Panels &
Chairmen Selected
Summer



GETM
Capabilities Input

Panel Work
Thru Fall

Panels
Organize
Early Fall

Panel Planning Meeting
Late Summer



Air Armament Summit

Prior Themes and Outcomes



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1999: “Forging the Sword”

GETM – S&T -- Roadmaps

2000: “Sustaining the Sword”

Inventory Infrastructure

Weaponized UAV

2001: “Delivering the Sword”

Integrated Armament

Process Acceleration

Expanded Participation

2002: “Strengthening the Sword”

Adjusting The Inventory

Pushing New Generation Weapons

International Participation



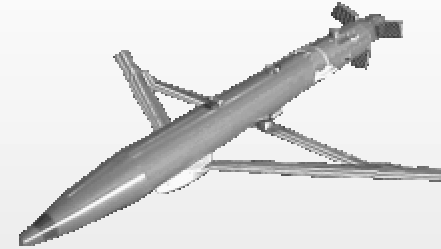
Air Armament Summit

Prior Noteworthy Contributions



AFMC

- **Small Diameter Bomb**

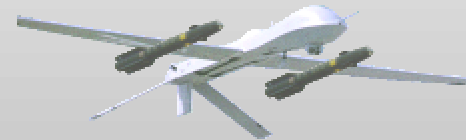


Play

- **HOBS AMRAAM**



- **Hellfire-Predator**



Play

- **Reconciled Body/Guidance/Fuze Disconnects in Weapons' Inventory**



- **Updated Armament Roadmaps...**



Air Armament Roadmaps 25-Yr Investment Planning Vehicle



AFMOC

UNITARY – STANDOFF OUTSIDE AREA DEFENSE

NEAR-TERM
02



CALCM



JASSM



Hypersonic CM



CAV

CTD

UNITARY – STANDOFF OUTSIDE POINT DEFENSE

NEAR-TERM
02



EGBU-15



AGM-130



SDB



WASAAMM

CTD

SPECIAL OPERATIONS

PERSISTENT AREA DOMINANCE (PAD)

NEAR-TERM

02

06

MID-TERM

10

15

FAR-TERM

20

27

Advanced Tactical Laser (ATL)



SDB

Active Denial



Covert Standoff Dispenser

Gunship Laser



IWS



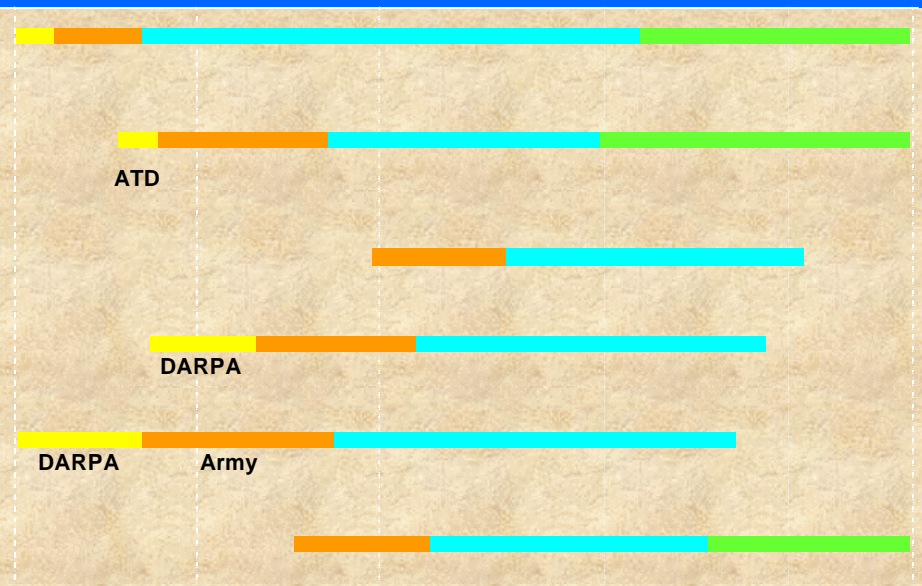
Guardian



Sentinel



Dominator



CTD

SDD

PROD

Sustainment

Decision Point



Air Armament Summit

Evolving Enterprise Challenges



AFMC

- **Corporate**
 - Transformation
 - Effects-Based Task Force Capability Focus
 - Systems of Systems; Network Centric Solutions
 - Cross-Enterprise Implementation
- **Mission**
 - All Weather Precision, Rapid Response, Low/No Collateral Damage, Anti Access
 - BDA Feedback Capable
 - Multi-mission Capable
 - TCT/Moving Target Capable
 - Hard & Deep Targets Capable
 - Weapons of Mass Destruction Capable
- **Technology**
 - Directed Energy
 - Non-Lethal



Summit V

“Transforming the Sword”



AFMC

- **11-14 March 2003**
 - Sandestin Hilton Resort
- **CONOPS-Capability Focus**
- **Six Panel Assessments**
- **Confirmed Guest Speakers:**
 - Air Force Chief of Staff
 - Commander, AF Materiel Command
 - Commander, US Air Forces Europe
 - CINC, US Atlantic Fleet
 - Vice Commander, Air Combat Command
 - Assistant Secretary of the Air Force for Acquisition





Summit V

Air Armament Stakeholder Alliance



ACC/AFSOC/AFSPC:

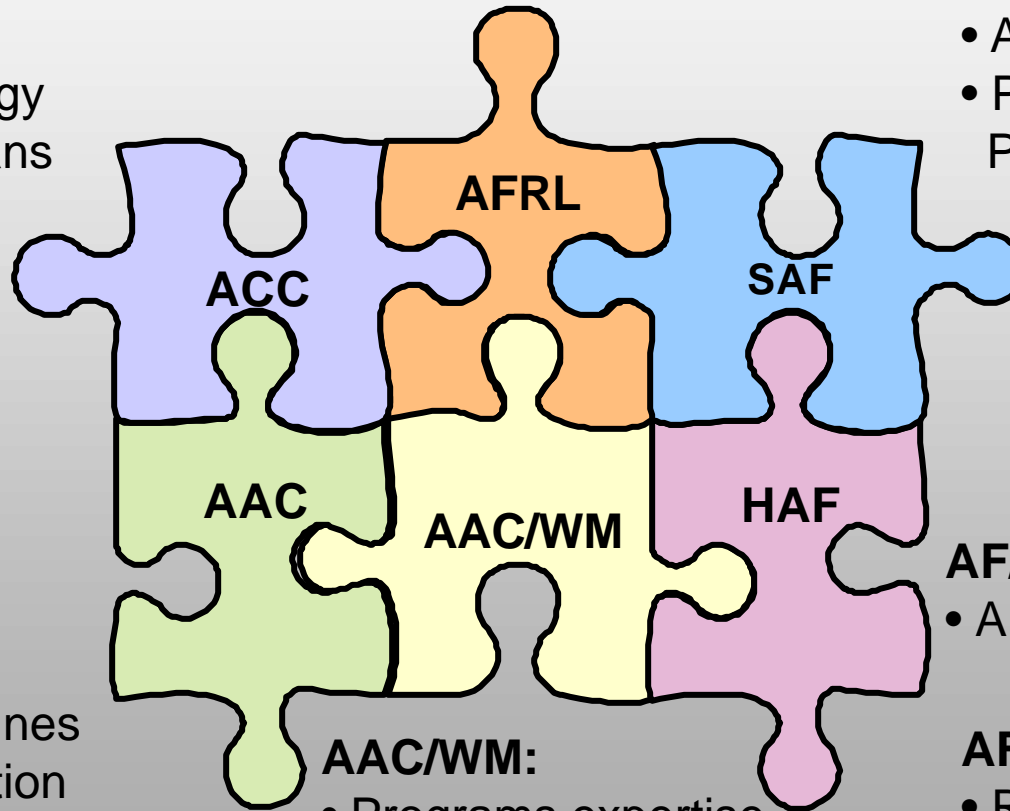
- Warfighter expertise
- Capabilities requirements
- Lead Panels:
 - Military Strategy
 - Armament Plans
 - Digital M&S
- Drive Roadmaps Development

AFRL:

- Technology expertise
- Provide S&T Panel Chair

SAF/AQ:

- Acquisition expertise
- CRRA liaison
- Analyze tradespace
- Provide Resources Panel Chair



AAC:

- Events expertise
- Co-Host with AFA
- Disclosure Guidelines
- Invites & Registration
- Security & Protocol
- Volunteer Coordination

AAC/WM:

- Programs expertise
- Facilitate process
- Mature Briefings
- Distribute Products

AF/XOR:

- AF Task Forces liaison

AF/XP:

- Resources expertise
- Guide AFCIS Inputs
- Provide Resources Panel Co-Chair



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Summit V Panel Structure

- **Global Environment, Threat, & Military Strategy**
 - Determine AF Task Force-based capabilities requirements
- **Integrated Armament Planning**
 - Assess weapons roadmaps and related capabilities shortfalls
- **Science & Technology**
 - Propose tech activities and solutions to fill capabilities gaps
- **Digital Modeling, Simulation, & Analysis**
 - Propose MS&A support opportunities for future warfighting capabilities, concepts, and environments
- **Resources**
 - Consolidate solutions of the other summit panels, conduct tradeoffs, and develop AF investment strategy proposals
- **Industrial Base**
 - Present perspective/solutions for optimizing industry efforts



Summit V

Panel Leadership



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PANEL ROLE	INTEG	GETM	IAP	S&T	DMS&A	RES	IB
CHAIR	AAC/WM DR DYESS	ACC/XPS COL CROWDER ----- SAAS COL EHRHARD	ACC/DRM LT COL HARRELL ----- ACC/DRZ LT COL CARLSON	SAF/AQR COL SCHNEIDER	ACC/DRY COL CURRY	SAF/AQP COL NEWTON ----- AF/XPPC COL LOWRIMORE	BOEING MS MICHEL
FACIL	AAC/WMX KEVIN BURNS	AAC/WMX GREG JENKINS	AAC/WMX RICH ECKERT	AFRL/MN OSCAR SOLER	AAC/ENM NORMA TAYLOR	AAC/FM DEBORAH LIVESAY	SVERDRUP SAM BURKETT
SEC	AAC/WMX 1LT SANCHEZ	AAC/EN CAPT SABO	AAC/WMX ROGER JONES	AFRL/MN 2LT SWETTMAN	AAC/WMX KEVIN CLARK	AAC/FM 2LT HOUSE	AAC/XP LEE NEUGIN



Summit V

Capability Requirements Pedigree



AFMCC

USAF Transformation Architecture

Broad National Guidance

A National Security Strategy For A New Century

The
De
National Military Strategy
of the United States of America
SHAPE RESPOND PREPARE NOW:
A MILITARY STRATEGY FOR A NEW ERA

DEFENSE PLANNING GUIDANCE

Joint Guidance



Service Vision



Strategic Guidance



Employment

Crisis Response Task Forces

Transformation

Recapitalization

Doctrine



Summit V

Link to Effects-based AF Capability Needs



AFMOC



Global Power



Global Reach



Global Vigilance

Task Force-based Focus Areas



Air & Space Expeditionary Forces

Global Strike Task Force CONOPS (Anti-Access)

Homeland Security Task Force CONOPS

Global Mobility Task Force CONOPS

Global Response Task Force CONOPS

Nuclear Response Task Force CONOPS

Air & Space C4ISR Task Force CONOPS

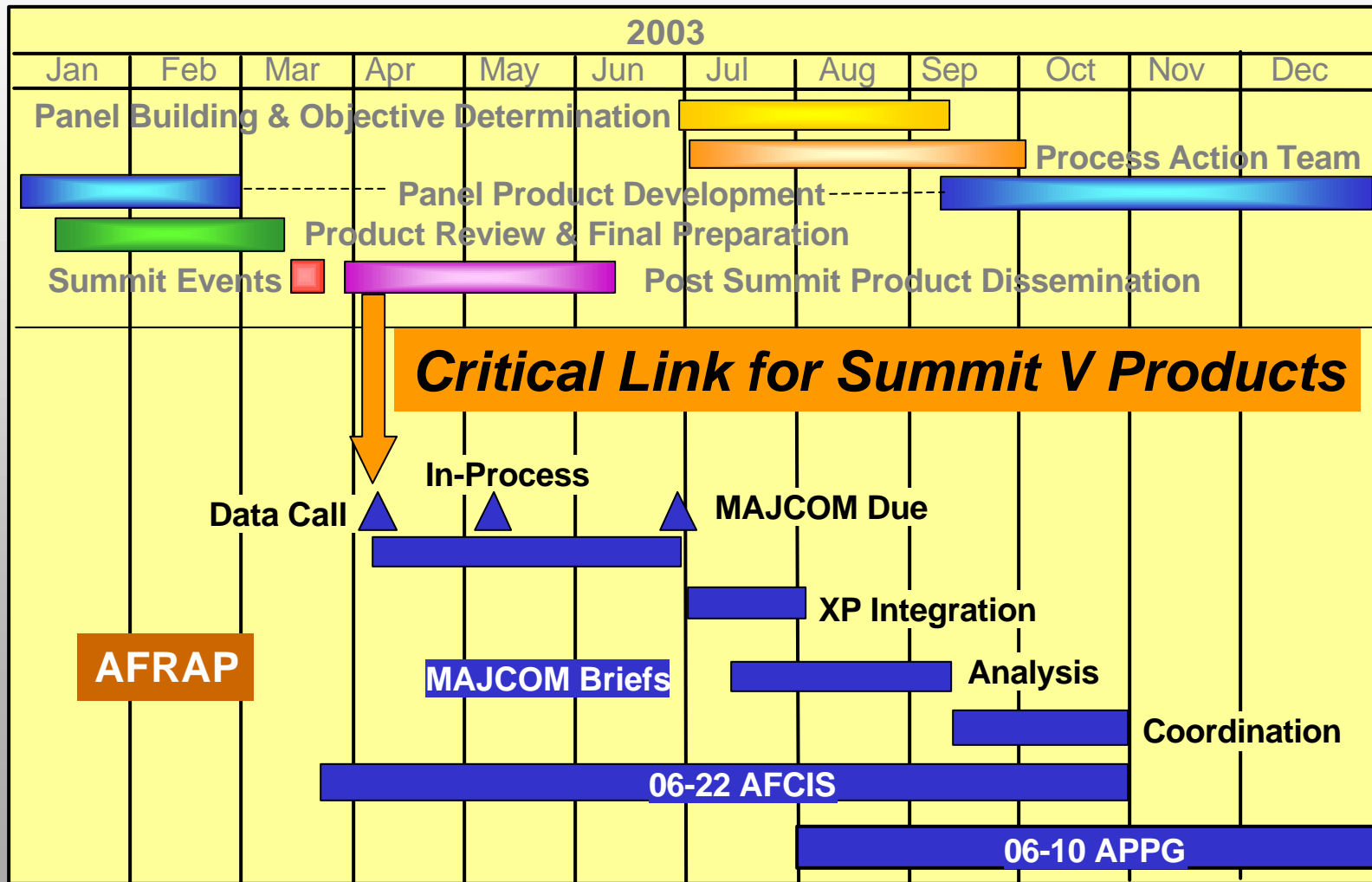


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Timely Deliverables to Decision-Makers



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Products Feed AF Assessment Process



Break Point - Major Event w/out Rating Change
 - Get Well Point - Major Event with Rating Change

PE	C4ISR	BSGPR	Cost/Aff	Attributes	Program	Remarks:	03	04	05	06	07	08	09	10	11
				IW BL	Covert Standoff Dispenser	Precision Insertion									
				PE63602F	Dominator (LOCPAD)	ISR Capable Moving Target									
				DARPA	(G...)										
						MOOTW Crowd Control									
				Surge Suppressor (RAAM)		High Quantity Target Killer									

Capabilities Review & Risk Assessment (CRRA) Format

Significant Positive Marginal Negative Not Apply



Summit V

Products Feed AF Investment Process



AFCIS Template Funding Tab

Details	PE id	PE Title	OAC id		
Original	11235F	ICBM HELICOPTER SUPPORT			
Adjusted	11235F	ICBM HELICOPTER SUPPORT			
MAJCOM sum	11235F	ICBM HELICOPTER SUP			
MAJCOM entry	11235F	ICBM HELICOPTER			
MAJCOM entry	11235F	ICBM HELICOPTER			2
MAJCOM entry	11235F	ICBM HELICOPTER			3
MAJCOM entry				H001N	4
MAJCOM entry				30 000000	0
MAJCOM entry				30 H00100	0
MAJCOM entry				30 H001HH	0
MAJCOM entry		ICBM HELICOPTER SUPPORT	83	30 H001NU	0
MAJCOM entry		ICBM HELICOPTER SUPPORT	83	32 000000	0

AF Capability Investment Strategy (AFCIS) Format

Template Manpower Tab

Key Co	PE id	tlPE.description	OAC id	opr id	MANID ic	TOT MPV	2004	2021
Original	11235F	ICBM HELICOPTER SUPPORT					80	70
PE TOTAL	11235F	ICBM HELICOPTER SUPPORT					80	0
MAJCOM Input	11235F	ICBM HELICOPTER SUPPORT	83	83	0004	ACT OFF	40	
MAJCOM Input	11235F	ICBM HELICOPTER SUPPORT	83	83	0104	ACT ENL	40	

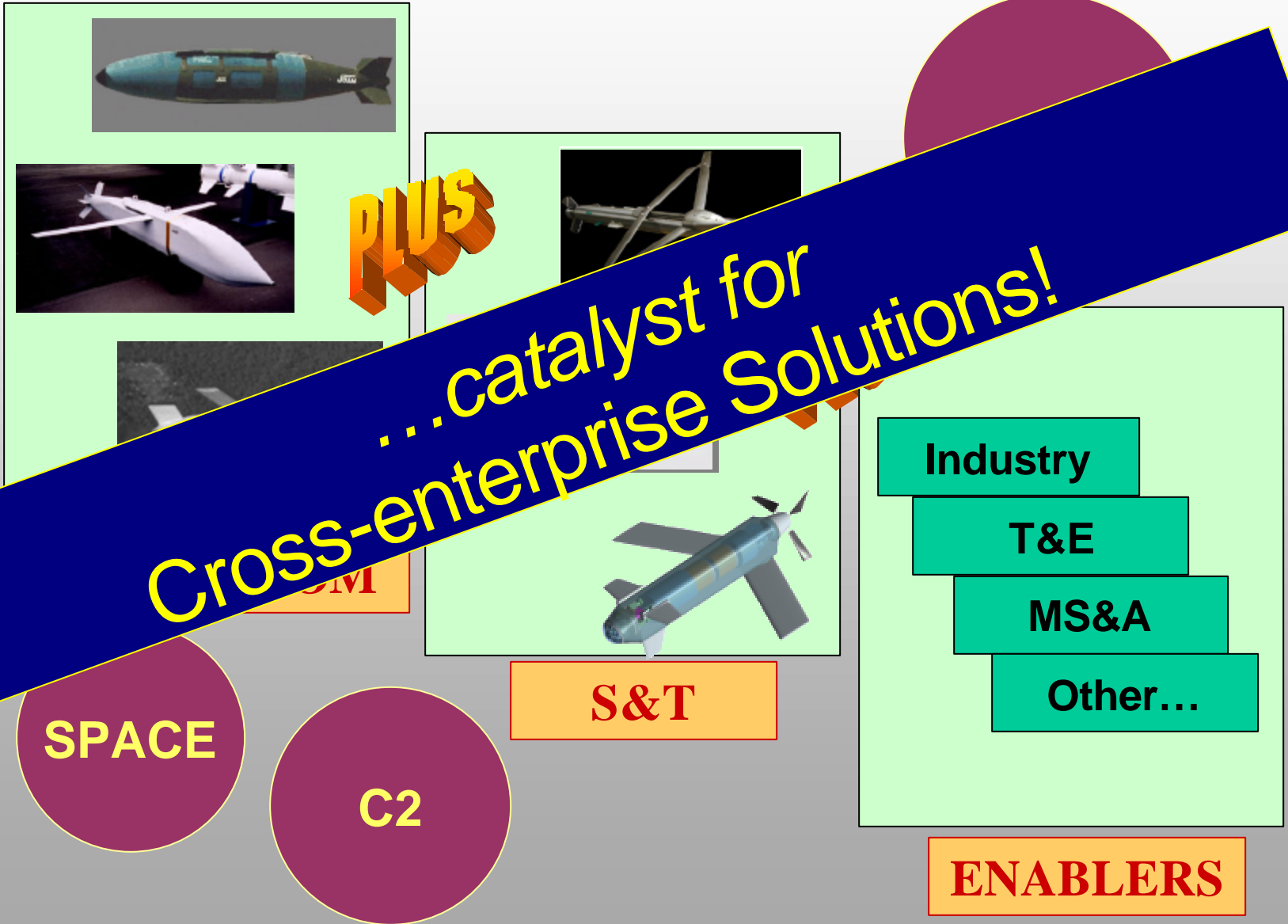


Summit V

Process Facilitates AFMC Collaboration



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Summit Summary



AFMC

- **Air Armament Summit Products**
 - Air Armament Enterprise product roadmaps
 - Task Force and CRRA capability-focused roadmaps
 - AFCIS-tailored resource inputs to MAJCOMS
- **Air Armament Summit Process**
 - Facilitates “Requirements Pull” within a Task Force CONOPS/capability-based framework
 - Facilitates “Technology Push” to Keep 21st Century Air Force on Leading Edge
 - Provides link between Air Armament Enterprise and MAJCOM weapons planning & investment
 - Catalyst for cross-Enterprise communication

**LEVERAGES WARFIGHTER, AIR STAFF, and
ENTERPRISE EXPERTISE TO PRODUCE
TRANSFORMATIONAL EFFECTS-BASED RESULTS!**



Return

