

# Focused Transition Industry Day

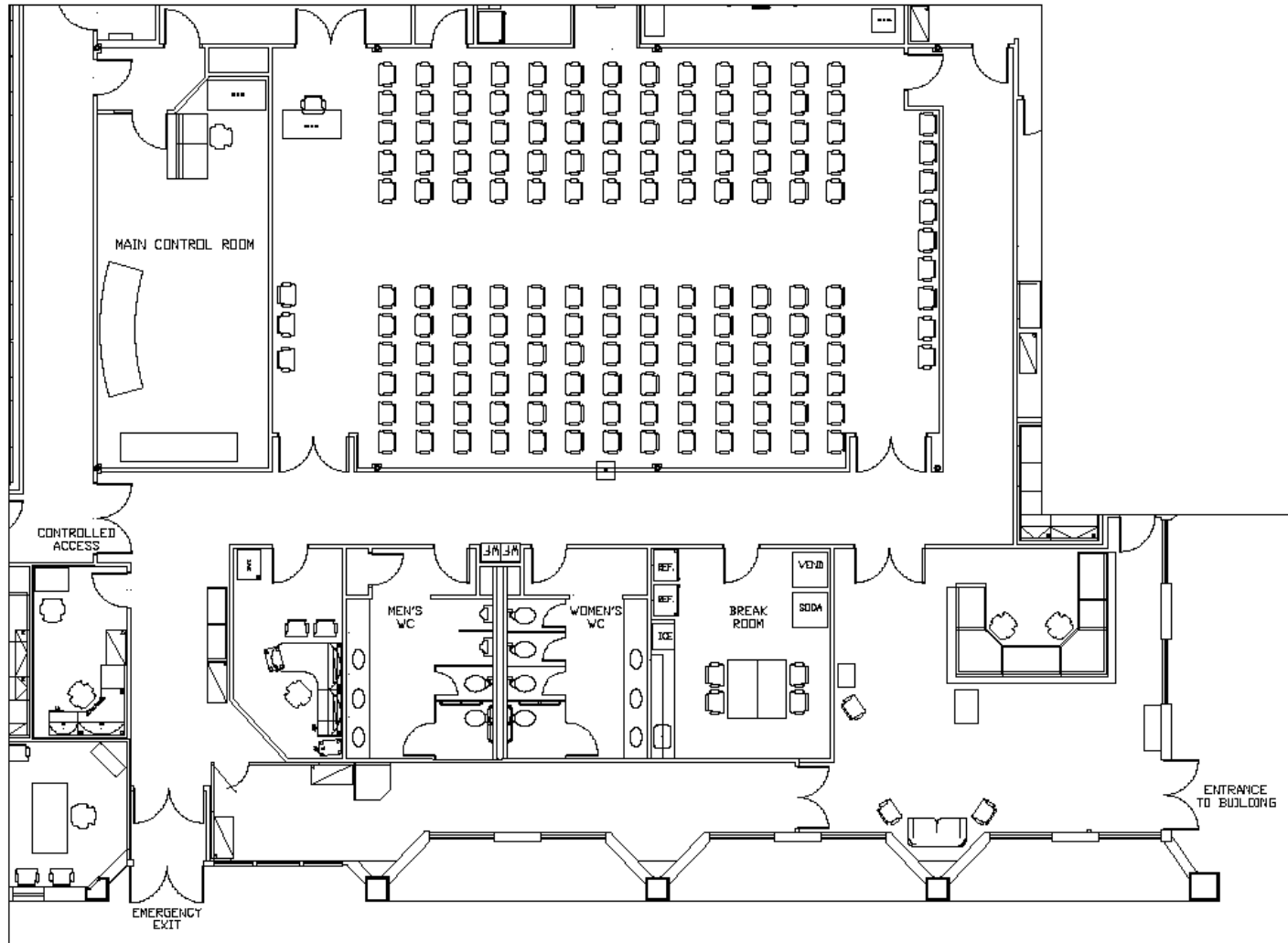


## Ground-Based Midcourse Defense (GMD)

**5 February 2010**



# Bradford Facility “Safety/Security Briefing”





# Administrative Information

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- **Please use Question Form for ALL Questions**
  - **Questions are to be placed in box at the back of the room**
  - **Everyone should have received Question Forms with the packet**
  - **Extra Question Forms are available**
  - **Questions will be addressed and published in the DSC Tech Data Library and/or GMD DSC Acquisition Website**
- **Contact information is optional, but will not be published**
- **Print Legibly**
- **Please use the Comment Form**
- **Comment Forms will be used to improve future Industry Days**
- **Please see any Industry Day Support Staff if other assistance is needed**

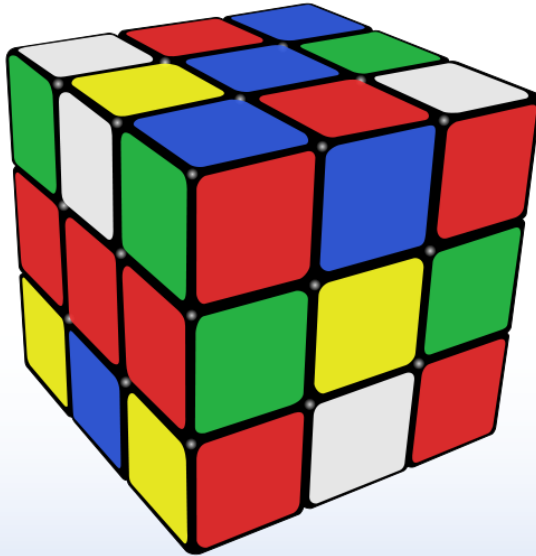


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# MDA OPENING REMARKS



## Mr. Barney Klehman MDA Director of Contracting



*Contract Transitions  
Have a Rubik's Cube  
Effect*

- **Transition Meeting Objectives/Take Aways**
  - **Management of Transition is Paramount**
  - **Work Scope Break Points**
  - **Property Management Allocation**
  - **Technical Data Needs**
  - **Contract and Government Relationships**
  - **Integration of BMDS**
  - **Integration of Schedules**
  - **Facilities/Infrastructure**

***Purpose: Need Industry's Help to Shape a Smooth, Resilient Transition***



# Mr. Carlos Kingston

## GM Program Director

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- **Transition Challenges**

- **Many Different Perspectives: Government, Incumbent, and DSC Contractor**
- **Seeking Smooth Contract Startup and Efficient Work Scope Handoff From Old to New Contracts**
- **Maintaining Operational Availability /Warfighter Readiness is Priority #1**
- **While Executing Transition, There's a Ballistic Missile Defense System (BMDS) Moving Train that Can't Stop-Jump On While Moving!**

***Want To Make Sure You Understand Our DSC Acquisition Strategy, Where We're Going, and Do You Have All That You Need To Do Adequate Transition Planning***



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# INDUSTRY DAY RULES OF ENGAGEMENT



# Rules of Engagement for Industry Day

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- **Transition topics/challenges are the focus this morning**
- **All briefings presented today will be available through the GMD Technical Data Library (TDL) and/or GMD DSC Acquisition Website**
  - **TDL Registration process will be discussed later**





# Industry One-on-Ones

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- **DSC Team continues to host “One-on-One Sessions with interested contractors on the following days, from approximately 1400-1600 CST:**
  - **Friday, February 5, 2010 (1530 timeframe available)**
  - **Wednesday, February 24, 2010 (Tentative)**
  - **Thursday, March 11, 2010**
  - **Friday, March 12, 2010**
- **Meetings are limited to approximately 45 minutes each**
- **For Questions or One-on-One Session scheduling email Tim Cole, at [GMDD&SCompetition@mda.mil](mailto:GMDD&SCompetition@mda.mil)**



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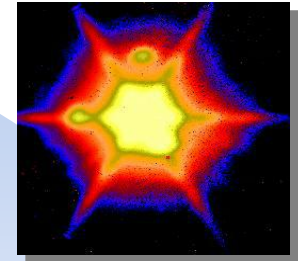
# OVERVIEW OF THE GMD ELEMENT



# GMD Contribution to the BMDS

“United States will continue to defend the homeland from limited ballistic missile attack. These efforts are focused on protecting the homeland from a ballistic missile attack by a regional actor such as North Korea or Iran. Through our continued commitment to maintain and develop the ground-based mid-course defense (GMD) system, the United States seeks to dissuade such states from developing an inter-continental ballistic missile (ICBM), deter them from using an ICBM if they develop or acquire such a capability, and defeat an ICBM attack by such states should deterrence fail.”

Ballistic Missile Defense Review Report Feb 2010





# GMD Components of the Ballistic Missile Defense System (BMDS)

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## GMD Contributions to the BMDS

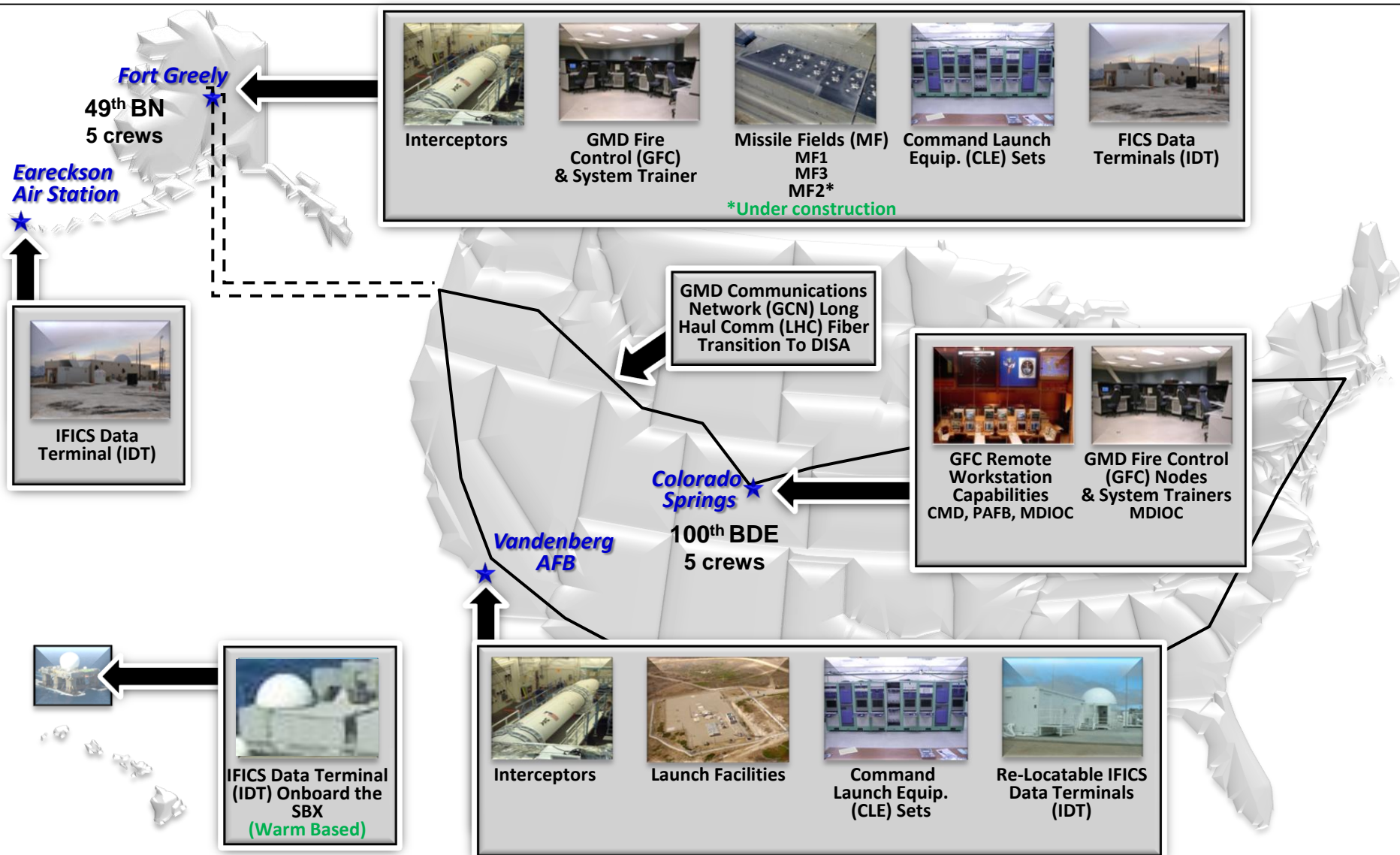
- **Ground Systems**
  - **Redundant GMD Fire Control (GFC) – Fort Greely AK (FGA) and Schriever AFB CO**
  - **In-Flight Interceptor Communication System (IFICS)**
  - **GMD Communications Network (GCN)**
  - **Silos and Command Launch Equipment (CLE) – FGA and Vandenberg AFB CA (VAFB)**
- **Interceptors**
  - **Ground Based Interceptors (GBIs) - FGA and VAFB**
  - **Orbital Boost Vehicle (OBV) and Exo-atmospheric Kill Vehicle (EKV)**

## BMDS Elements That Interface with GMD

- **Command and Control, Battle Management, and Communications (C2BMC)**
- **Sensors: Upgraded Early Warning Radars (UEWR)**
  - **Beale UEWR - Beale AFB, California**
  - **Fylingdales UEWR, United Kingdom**
  - **Cobra Dane Upgraded Radar – Eareckson Air Station (EAS), AK**
- **External System Interfaces (ESIs) to Leverage Other Sensors**
  - **Space-Based Infrared Systems (SBIRS)**
  - **Aegis SPY-1 Long-Range Surveillance & Tracking (LRS&T)**
  - **Forward Based X-Band Radar (AN/TPY-2)**
- **Precision Tracking Sensor**
  - **Sea-Based X-band Radar (SBX)**

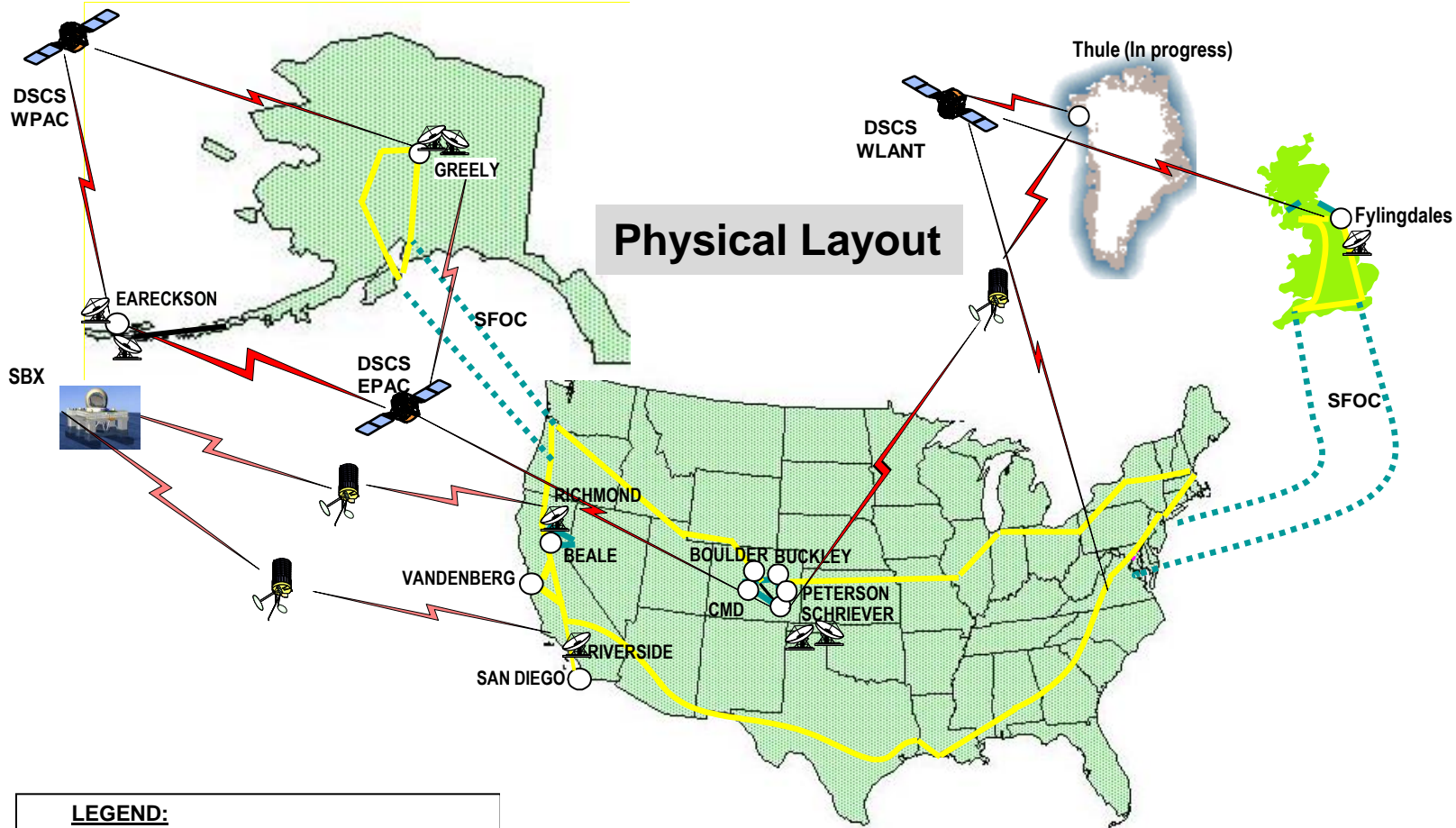


# GMD Fielded Configuration as of January 2010





# GMD Communication Network (GCN) Physical Layout



## Physical Layout

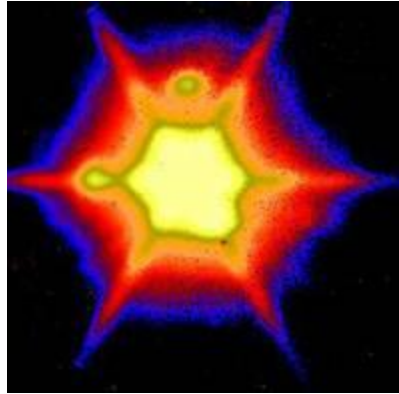
**LEGEND:**

Terrestrial Fiber	
Submarine Fiber Optic Cable (SFOC)	
MILSATCOM	
Commercial SATCOM	

- There is CNE (Comm Node Equip) and LHC (Long Haul Comm) equipment at every location (GMD and sensors) to connect to GCN (GMD Comm Network)



# GMD Top Management Focus Areas



- **Complete fielding of 30 operational GBIs – 26 at FGA & 4 at VAFB**
  - **Deliver additional GBIs for testing, stockpile reliability and operational spare requirements**
  - **Refurbish GBIs for both operational and flight test rotation**
- **Complete Missile Field 2 and Future Power Plant at FGA**
- **Conduct operationally-realistic ground and flight testing of interceptors and ground components**
- **Continue upgrades to the Ground Systems products to incorporate Warfighter requested upgrades and interoperability improvements with battle management systems and sensors**
- **Continue to improve availability and reliability of the GMD system through interceptor rotation program, stockpile reliability program, and aging surveillance testing**

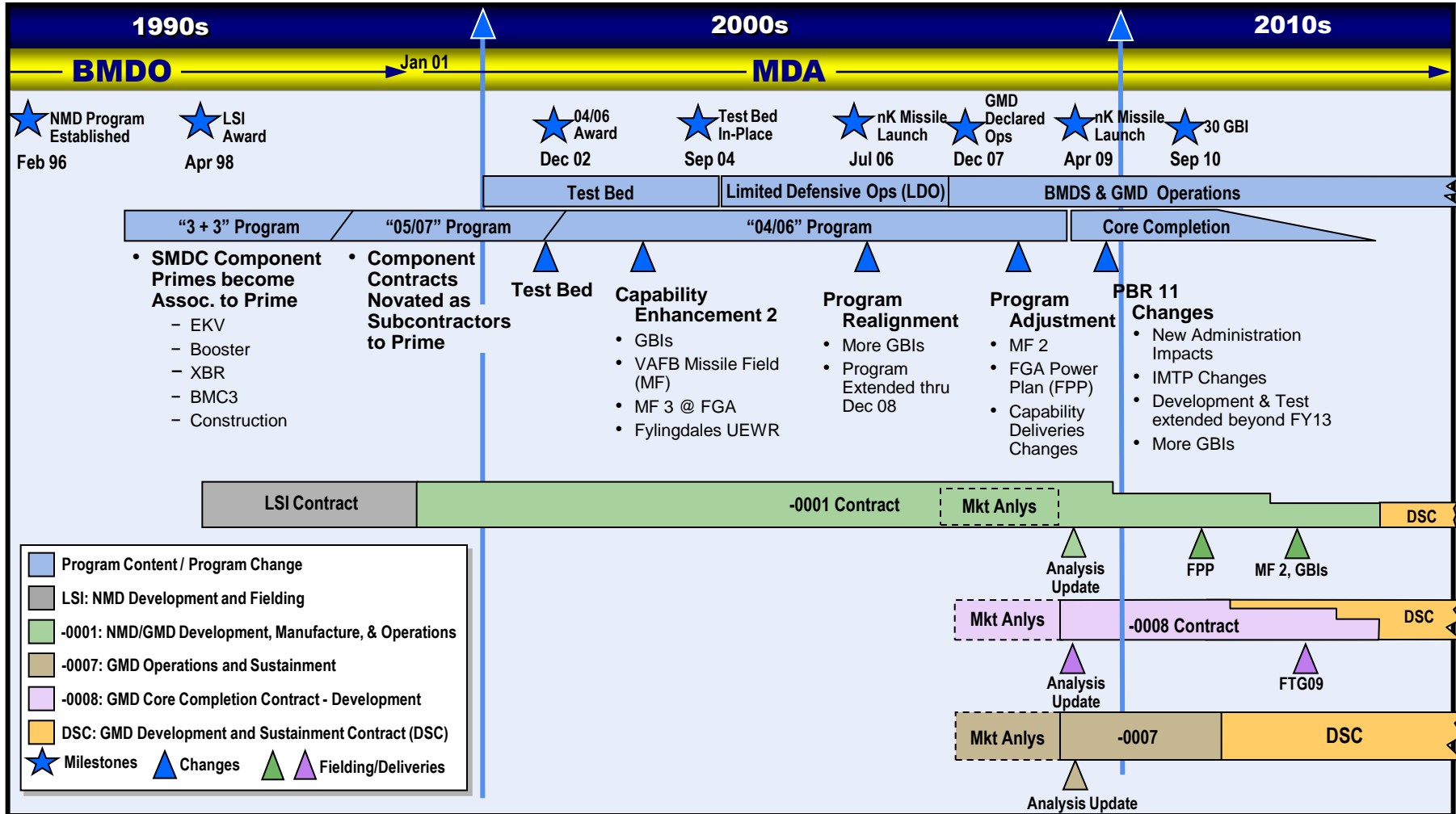


# GMD Program Acquisition History

CY '96 '97 '98 '99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11 '12 '13

ABM Treaty Withdrawal 14 Dec 01

Today







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# **DSC OVERVIEW AND OBJECTIVES**



# DSC Key Acquisition Objectives

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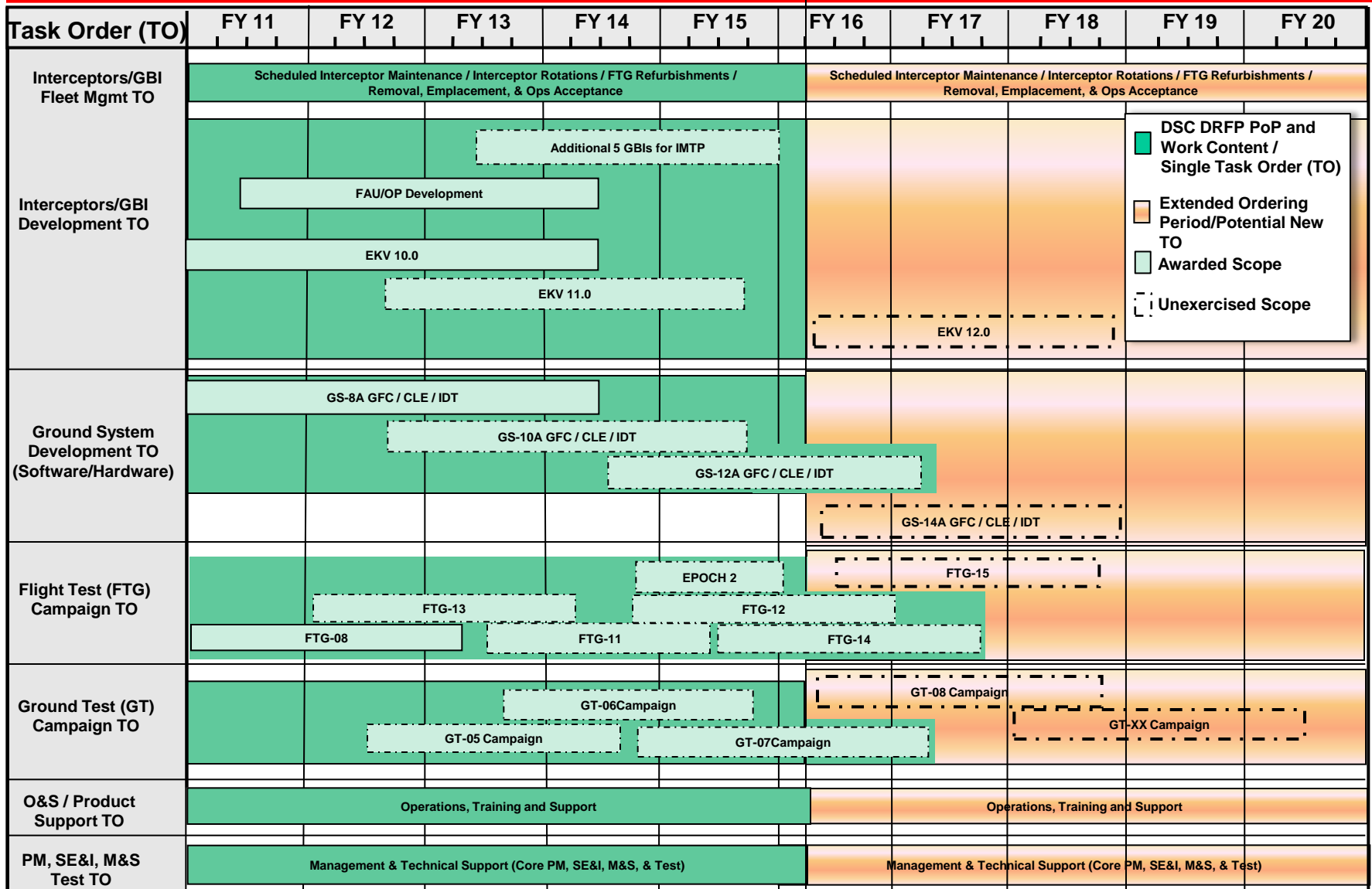
- **Full and Open Competitive Strategy—Compliance with FAR**
  - Maximize Government benefits/savings from Full and Open Competition
  - Establish a long-term relationship with our Industry Partner
  - Encourage innovations, investments, and efficiencies
  - Minimize “Fee-on-Fee” and encourage supplier efficiencies
- **Prime Teaming with Current Subcontractors Encouraged**
  - Non-Exclusive Teaming and No Directed Subcontractors
  - No Restriction for OEMs to Use Own GMD Data For This Competition
- **Indefinite Delivery/Indefinite Quantity (ID/IQ) Contract**
  - IDIQ construct readily accommodates legacy and future work requirements
  - 5-year Base Ordering Period; Total Period of Performance (PoP) NTE 10 years
- **Task Order (TOs) Construct**
  - Issued for specific work content: O&S, GTDs, GBIs/Capability Deliveries, etc.
  - Work content/risk considered for each TO (e.g., CLINs, PoP, and Fee/Profit)
- **Multiple/Flexible CLIN Structures**





# DSC DRFP Content & Task Order Phasing

## “Snap Shot”





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**BREAK**



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# TRANSITION OVERVIEW



# Government View of Transition

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- **Key Requirements**

- **Maintain 24/7/365 Weapon System (Ops Availability)**
- **Maintain Warfighter/Operator Training**
- **Manage Transition Costs and Risks**
- **Manage Development/Modification Work Scope Break Points**
- **Continue Test and BMDS Capability Evaluation and Integration**

- **Actions**

- **Government is developing an Overarching Transition Plan to address risk, execution challenges, and establish clear rules of engagement for Government, Incumbent Contractor, and DSC Contractor**
- **Government's Overarching Transition Plan will incorporate Contractor's Transition Plan**

- **Result**

- **Smooth Contract startup and efficient work scope handoff from old to new contracts**



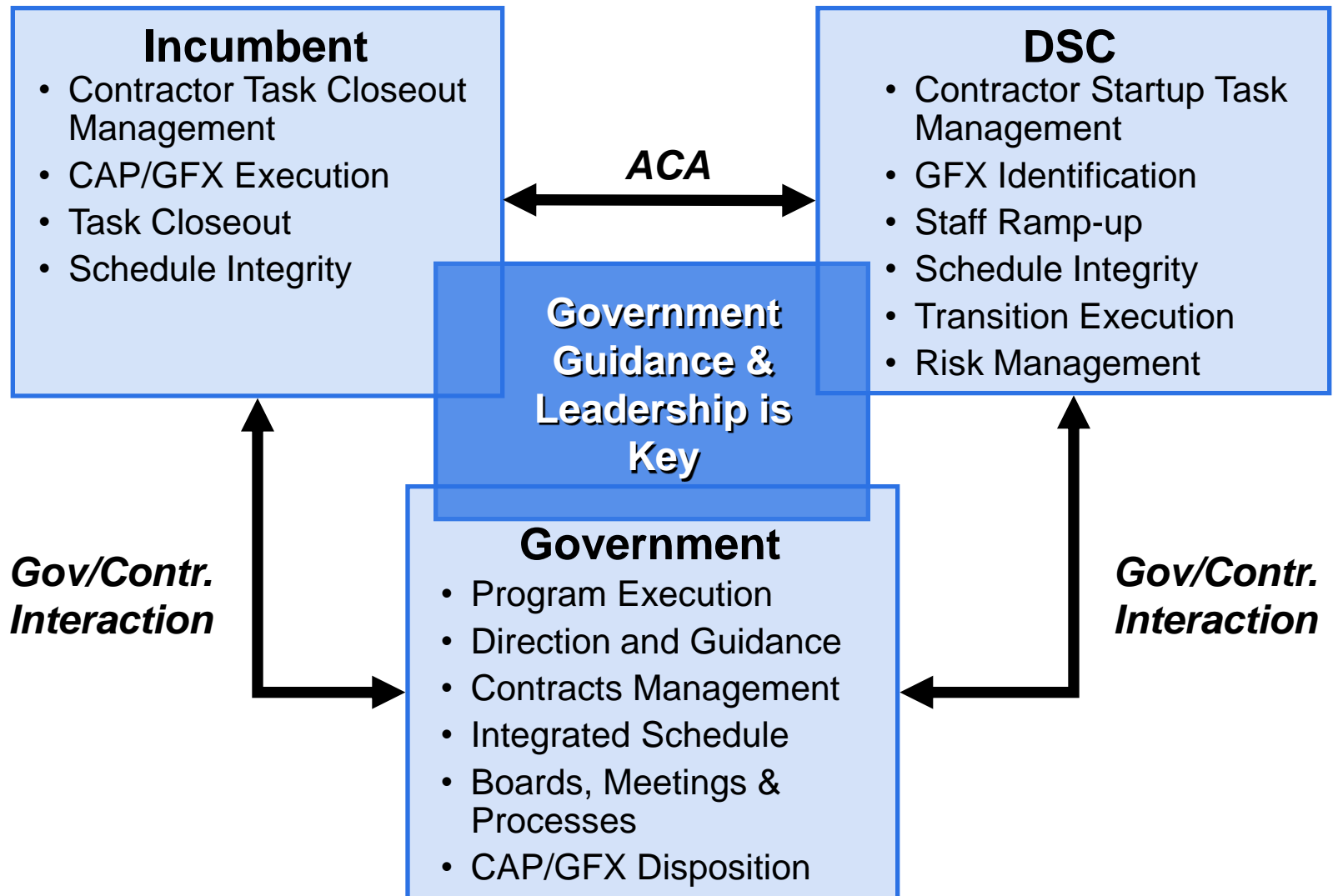
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# DSC WORK SCOPE TRANSITION





# Transition Focused Interactions





# Task Transition Planning Models

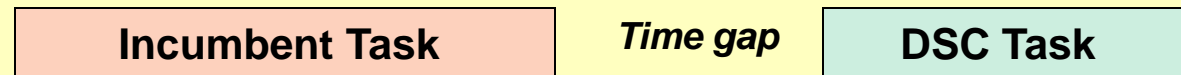
## “Examples of Building Blocks to Transition Planning”

### A. No Break Between Tasks



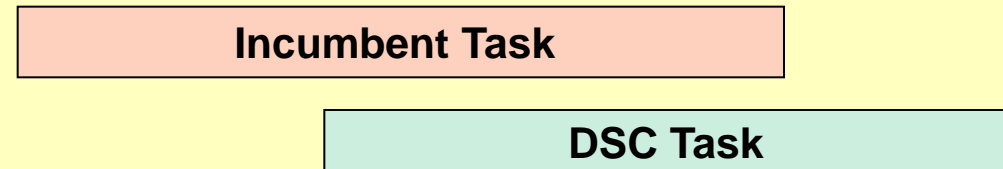
- O&S Maintenance, Operations, and Training
- GBI Fleet Management

### B. Break Between Tasks



- Ground Test / Flight Test

### C. Overlap of Tasks



- Management
- SE&I
- Development (SW, HW)
- Government Labs for GT/FT

**Industry Feedback required to Optimize Transition Execution between Contracts**



# Topics for Offerors' Transition Planning

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- **Transition Planning**

- **Work Scope, Task Identification, and Task Interdependencies**
- **Agreements, Facilities, and Equipment Required To Support Continued Development, Manufacturing, Integration, Test, and Repair of GMD Assets with Emphasis on GBI**
- **Integrated Master Schedule**
- **Property Management**
- **Work Spaces**

- **Transition Execution**

- **Associate Contractor Agreements (ACA)**
- **Staffing**
- **Technical Data**
- **Processes and Meetings**
- **Baseline Management**

- **Transition Monitoring**

- **Milestones and Contingencies**
- **Risks**

***With Questions on DRFP, Include What You Need To Build Adequate Transition Plan***



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# TRANSITION IMPLEMENTATION CHALLENGES



# Overall Transition Execution Considerations

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- **Initial 90-Day Window**
  - Subsequent work scope transition points will be negotiated
- **“As Is” Technical Data**
- **“As Is” Property Management and Special Test Equipment (STE)**
- **Demarcations to Prime Mission Equipment**
- **Inventory/Transfer of Equipment**
  - Multiple Locations and Thousands of Equipment Items
- **Government System Test Laboratories**



# Transition Execution Consideration

## (Continued)

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- **“As Is” Technical Data and Technical Data Library (TDL)**
  - **Section J of the DRFP—DVD Released End January 2010**
  - **TDL Availability announced in FedBizOpps Announcement DRFP GMD DSC – Solicitation Number: HQ147-10-R-0016**
  - **TDL Projected Release Mid February 2010**
    - **Specifications**
    - **Interface Control Documents (includes drawings)**
    - **Software Documents (i.e., SVD, SRS), SDD), etc)**
    - **Hardware Requirements Specifications (HRSs)**
    - **Product Drawings and Data Accession List**
- **Allocation of GFX and CAP Between Contracts—”As Is”**
  - **What will Remain with Incumbent**
  - **What will be Shared Across Contracts**
  - **What will be Transitioned to New Contract**
  - **Obsolete or Excess**



# **Demarcation of Maintenance Mission Fort Greely Missile Defense Complex (MDC)**

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- **Current Situation**

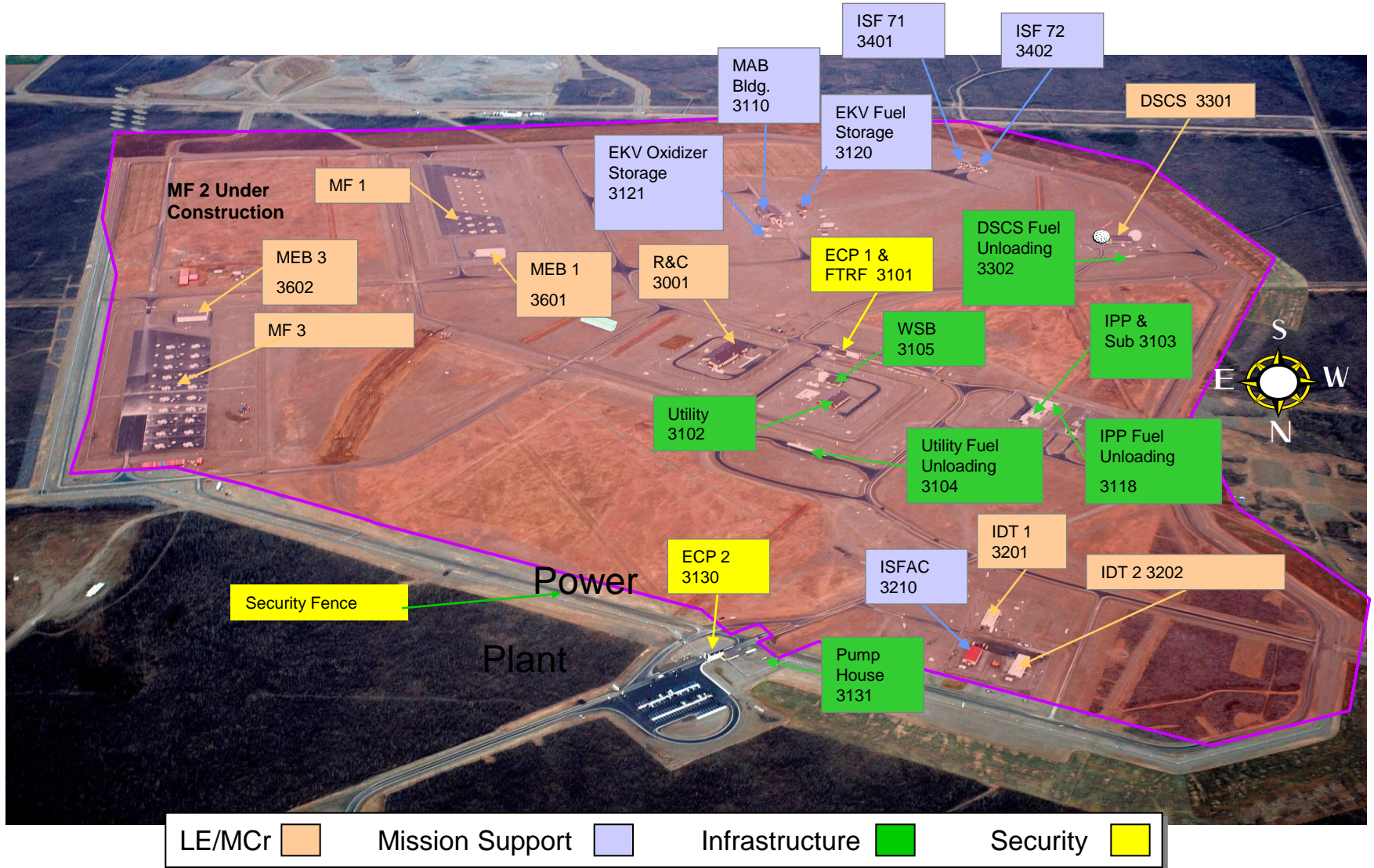
- **Government Study defining maintenance Lines of Demarcation between MDC Prime Mission Equipment (PME) and Installed Building Equipment/Real Property**
- **Once Study is completed, Government will place in Technical Data Library**

- **Projected Responsibility Under This Contract**

- **DSC Contractor will only perform maintenance For Those Facilities Determined to be Critically Connected or Otherwise Logically Connected to the MDC PME**
- **Goal is to Comply With Army Regulation 420-1 (Army Facilities Management)**



# Demarcation of Maintenance Mission Fort Greely MDC







# Demarcation of Maintenance Mission

- **Eareckson Air Force Station (EAS), Shemya, AK**
  - **Lines of Demarcation For GMD PME Completed in June 2009**
  - **Elmendorf AFB provides EAS Facility Maintenance**





# Demarcation of Maintenance Mission

- **Vandenberg Air Force Base (VAFB), CA**

- **Updating Demarcation for Newly Acquired Facilities and Transfer of Long Haul Communications to DISA**
- **DSC Contractor has Responsibilities for VAFB PME, Launch Equipment Room and Launch Facilities/Silos**

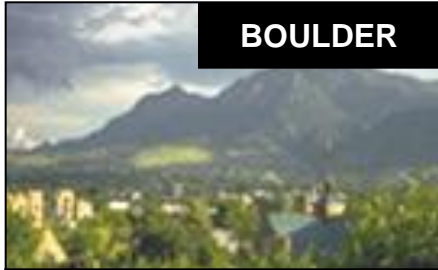


- **Five Launch Silos**  
**1 Configured for Test; 1 Dual Use; and 3 Operational**
- **Readiness Station and Launch Control Center**
- **Two Relocatable In-flight Interceptor Communications System Data Terminals (RIDT)**
- **Booster Integration Missile Assembly Building (MAB) (North Base)**
- **Payload Integration MAB (South Base)**
- **Interceptor Storage Facility**



# Demarcation of Maintenance Mission “GMD Equipment At These Locations”

**BOULDER**



Interim Mission Control Station  
Back-Up

**BUCKLEY AFB**



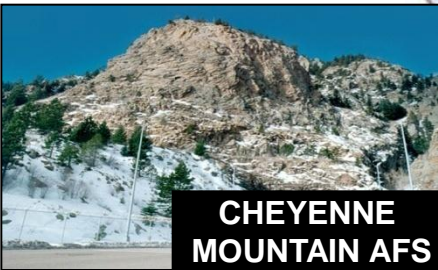
SBIRS Mission Control Station

**SCHRIEVER AFB**



MDIOC, JFCC-IMD, 100<sup>th</sup> MD BDE

**CHEYENNE MOUNTAIN AFS**



CMD CCC

**GMD TRAINING & EXERCISE CENTER (GTEC)**

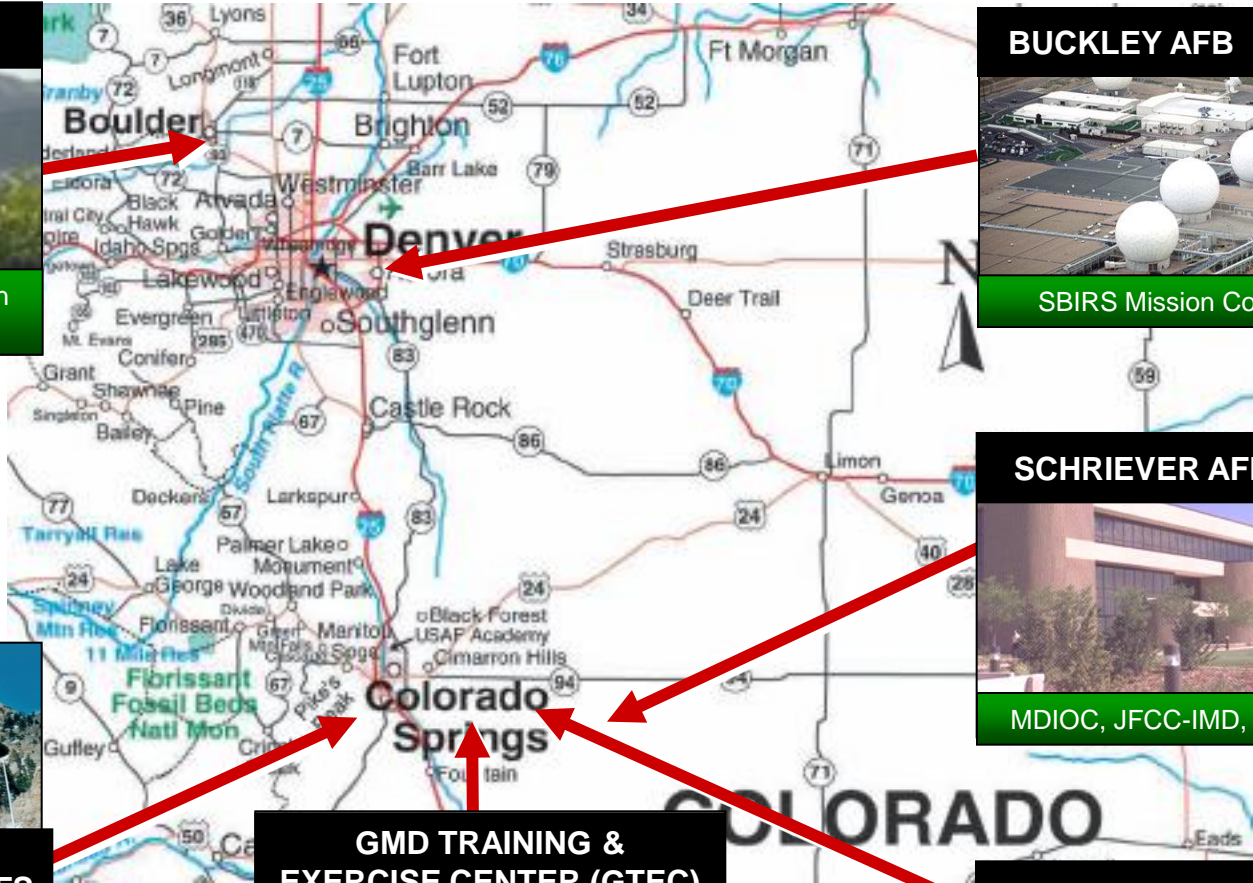


02 12 2004

**PETERSON AFB**



USNORTHCOM Ops Center





# MDA System Test Lab Activities

DSC Contractor is only responsible for GMD Component Operations and Maintenance in MDA System Level Test Labs

## MDA Facilities at the Advanced Research Center (ARC)

- **Integrated System Test Capability (ISTC-1)**
  - Maintains Operational Baseline for Real World Events (RWE)
- **Integrated System Test Capability (ISTC-2)**
  - Performs BMDS Ground Testing (GTI/GTX)
- **Consolidated Integration Laboratory**
  - Performs Pre and Post Support to Flight Testing

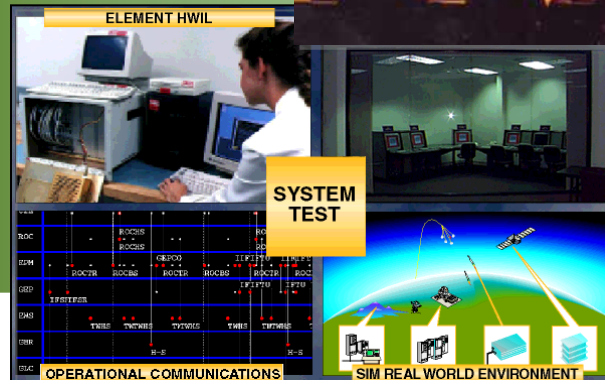
## System Test Labs



Integrated System Test Capability (ISTC)



Element Integration Lab





# Summary

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- **Government Transition Planning Underway**
  - **Seeking Smooth Contract Startup and Efficient Work Scope Handoff From Old to New Contracts--First 90 Days of DSC Execution is Critical**
  - **While Executing Transition, There's a BMDS Moving Train that Can't Stop- Jump On While Moving!**
  - **Awaiting Industry Critical Transition Feedback**
- **DRFP Initial Industry Comments Due 9 Feb 2010**
- **DSC TDL Release is Mid Feb 2010**
- **Next DSC Key Event "Industry Day/One-on-One Meetings" is 8-12 March 2010 in Huntsville, AL**
- **Government Expects an Amendment Release To DRFP**
- **For Questions or One-on-One Session scheduling email Tim Cole, at GMDD&SCompetition@mda.mil**