

Mission, Organization and Functions of The Air National Guard's "Installation and Mission Support Directorate" (NGB/A7)

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Air National Guard (ANG) - Installation and Mission Support Directorate (NGB/A7)

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Main Point: Provide a facility and infrastructure space standard to meet the AF/DoD vision and Air National Guard mission

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Order of Presentation

- ANG Installation and Mission Support Directorate (NGB/A7) Mission
- ANG Facility & Infrastructure Overview
- ANG Early Diagnosis of FFC Forum Focus
- The Program Drivers
- ANG Facility Program Development & Criteria
- Rollout
- Snapshots
- Merging ANG Facility Space Management with the ISO

Main Point: Introduce the audience to the Air National Guard's leaning-forward facility space standards development and implementation

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ANG Facility Space Mission

The mission of the National Guard Bureau is to organize, train, equip and sustain Air National Guard (ANG) units in the performance of their federal and state missions. The Installations and Mission Support Directorate, Asset Management Division (NGB/A7A) strives to provide quality planning, programming and timely funding to properly develop the ANG facility infrastructure, effectively manage real estate, and sustain the environment.

To achieve this mission, the ANG Asset Management Division strives to develop strategies that optimize existing spaces, utilize multi-purpose and/or shared facilities when appropriate, define sustainable and energy-efficient schemes, and enable partnerships with community and other governmental agencies.

Main Point: Introduce the audience to the Air National Guard's leaning-forward facility space standards development and implementation

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ANG Facility & Infrastructure Overview

- ★ 50 Million SF of Facilities (12 Malls of America)
- ★ 95.4K Acres (22 Andrews AF Bases)



- Located in 50 States, 3 Territories and DC...173 Locations
- Most Land Leased to the AF and Licensed to the State

Main Point: ANG recognized the need & imminent challenge to develop facilities space standards cognizant of a diverse operating platform.

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ANG Early Diagnosis of FFC Forum Focus

From the 2009 NGB/A7 Workshop Briefing , "Refining Facilities Requirements":

- 1. The Shrinking DoD Dollar:** The cost to maintain and operate our facilities is reaching an unachievable threshold
2. Energy Independence & Security Act (EISA) 2007: Reduce fossil fuel-generated energy consumption 55% by 2010 / 100% by 2030
3. Executive Order 13423: Reduce energy consumption 30% by 2015
4. Energy Policy Act (EPA) 2005: Reduce energy consumption 20% by 2015

The ANG facility management strategic focus defined in 2009:

"Research and review standards, processes, techniques, and tools to **optimize** Air National Guard facility space" *

** Tailored from, "Headquarters U.S. Air Force Space Optimization (20/20) Initiative*

Main Point: Multiple mandates, dwindling resources & static paradigms inspired ANG leadership to assess & develop a efficient facility strategy

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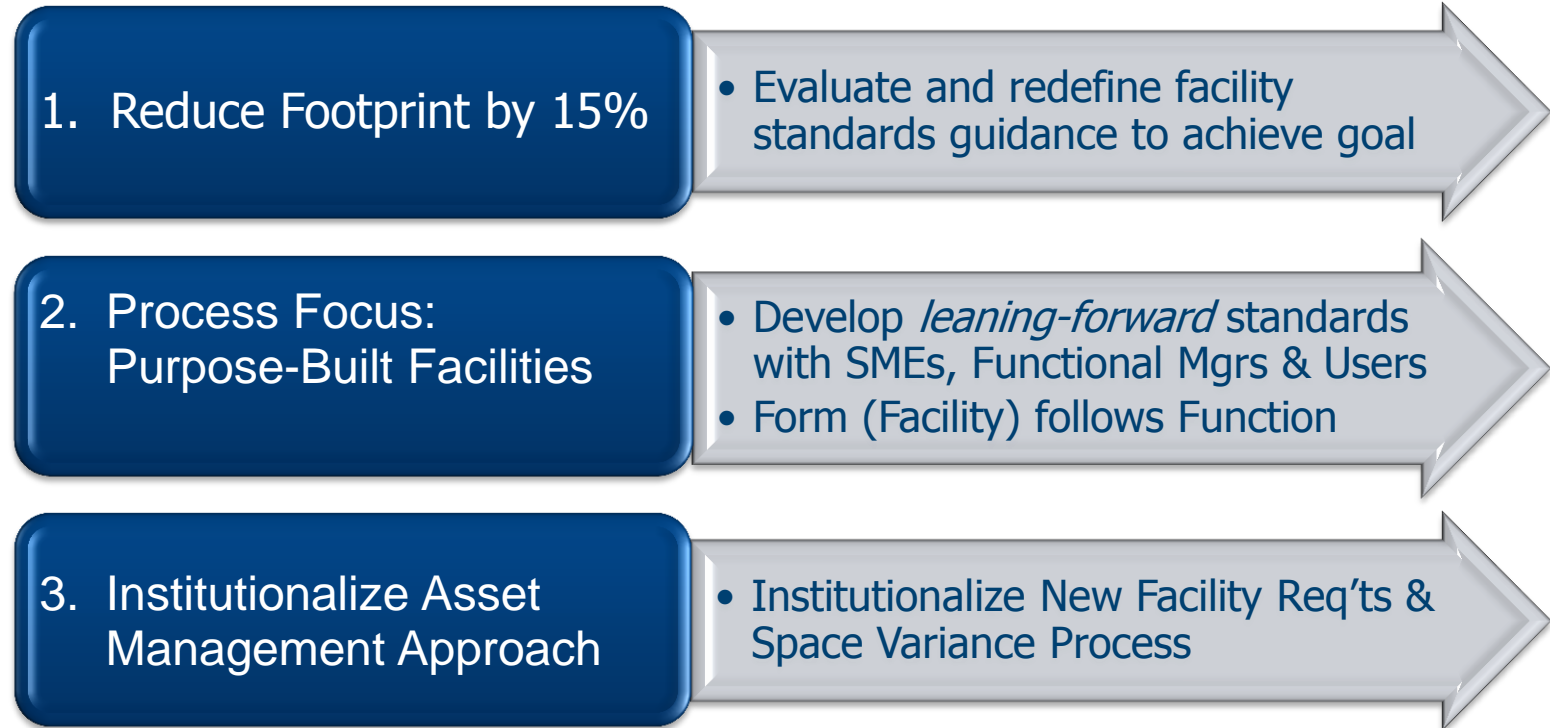
The Program Drivers – Changing ANG Mission

- ★ Remarkable growth & transformation of the ANG Mission
 - Over 46 new weapon systems/mission initiatives since 2006
 - Advent of cyber and space missions
 - Over 1,350 facility use standards (CATCODEs) adjustments identified
- ★ Focus on right-size ANG installations, compatible with mission conversions, strategic basing and real estate actions
 - Implement several new Federal / USAF / DoD facility-impact mandates
 - Target “comfort zone” functional areas and processes (entitlements)
- Space standard strategy focus: current & future facility flexibility
- Transition HqANG & Wing leaders from an “as is” culture to the crucial focus on space utilization, optimization & sustainability

Main Point: ANG facility development must keep pace with dynamic, mission alterations, with an emphasis on technology, flexibility & efficiency



The Program Drivers – Optimize Natural & Built Infrastructure



Main Point: *Develop a corporate, programmatic methodology that supports right-sizing ANG facility development, efficiency & sustainability*



Rollout

Air National Guard Handbook 32-1084 Facility Space Standards



1 April 2012

The Air National Guard's new programmatic, leaning-forward approach to refine & optimize facility space!

Purpose

This Handbook establishes Air National Guard (ANG) facility space standards in support of specific mission requirements. The document provides a basis for programming and allocating space for facilities and infrastructure. The document also references applicable compliance and technical guidance documents. The information serves as a tool in managing real property inventory & optimizing space based on functional need.

Main Point: Develop clear & repeatable process...and tool...to serve as the Cornerstone for an efficient facility space utilization program

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Rollout - The Science

- ★ Evaluated--with Consultant--several national standards:
 - BOMA
 - IFMA
 - GSA
 - DoD & NCR
 - Pentagon Renovation
 - USAF Standards
- ★ Deep dives into multiple ANG facilities
 - Evaluate efficiency & optimization for established functions
 - Target underutilized and oversized spaces...consensus solutions
 - Elevated programmatic role of the Functional Area Managers (FAMs)
- Policy compliance with Air Force Instructions & Manuals

Main Point: New ANG Functional Space Standards provides ANG Installations with new functional space targets for space reassignment



Rollout – The Rationale

- ★ Defined facility spaces by mission function...not rank
- ★ Created a level playing surface
- ★ Partnered with SMEs, FAMs, Programmers, Users (Corporate Ownership)
- ★ Cultivated Local Leadership's Role - The Design Working Group (DWG)
 - On-site team implements the design process
 - Validates expertise and cost benefit of design consultants
- Standardized Overhead Calculations & Factors by Facility Function
- Standardized Administrative Space Overhead based on primary function
 - Administrative - 25%
 - Industrial & Warehouse - 15%
 - Co-Located (similar function) - 10%
- Minimized design criteria...ref UFCs, Eng Tech Ltrs, Tech Orders, & Regs

Main Point: Develop clear & repeatable process...and tool...for the entire ANG community to stay apace with ever-changing missions



Rollout – Tackling The Tough Sell

Table 1-1: Administrative Work Areas

<i>Category Title</i>	<i>Category Functions</i>	<i>Target Area (Net SF)</i>	<i>Remarks / Rationale</i>
Senior Commander	ANG State Command, Wing Command	240	Space to accommodate small group discussion
Vice Commander / Group Commanders	Wing Command and Group Command	160	Space to accommodate staff / visitors
Sensitive Functional Position	JAGs, Chaplains, 1st Sgts (typical), Squadron/Flight Commanders	120	Predicated on the specific functional requirement
Functional Administrative Positions	Supervisory, Administrative and Technical	64	Work Station, typically in an open environment
Non-permanent Assigned Individuals / Non-Admin Positions	Shared Computer Access	24	Hoteling / Training Station, CBT, visiting IG, exercise-related functions, etc.

Main Point: *Develop clear & repeatable process...and tool...for the entire ANG community to stay apace with ever-changing missions*

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Rollout – Tackling The Tough Sell

From Air National Guard Handbook 32-1084:

- **Administrative area standards** provide a planning guide for local leadership to allocate reasonable space in support of functional requirements through established procedures, i.e., Facilities Board (FB), Design Working Group (DWG) and Commander's local authority.
- **Administrative areas shall maximize** open space concepts using systems furniture and demountable partitions to achieve efficient and flexible operations. This Handbook supports a space optimization objective and minimizes enclosed office spaces.
- **Conference and Meeting space** does not necessarily accommodate the total authorized staffing of any CATCODE function, as ANG installations typically have facility open spaces (dining facility, large squadron meeting rooms, and open hangar floor) capable of accommodating unit assemblies.

Main Point: Develop clear & repeatable process...and tool...for the entire ANG community to stay apace with ever-changing missions

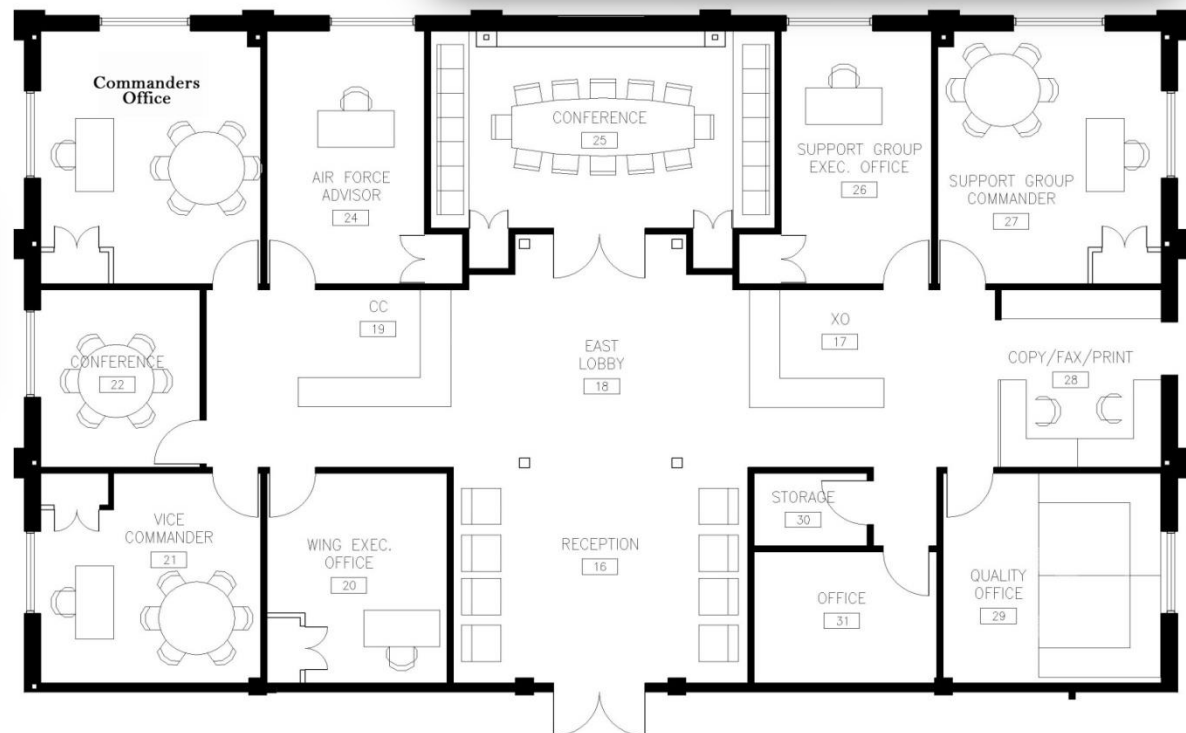
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Snapshot – Before

Space Optimization:
Administrative Office Floor Plan
(3,522 SF)

Previous
Wing Command
Suite



Main Point: Refine ANG facilities and areas by defining space based on functional need & by applying consistent administrative standards

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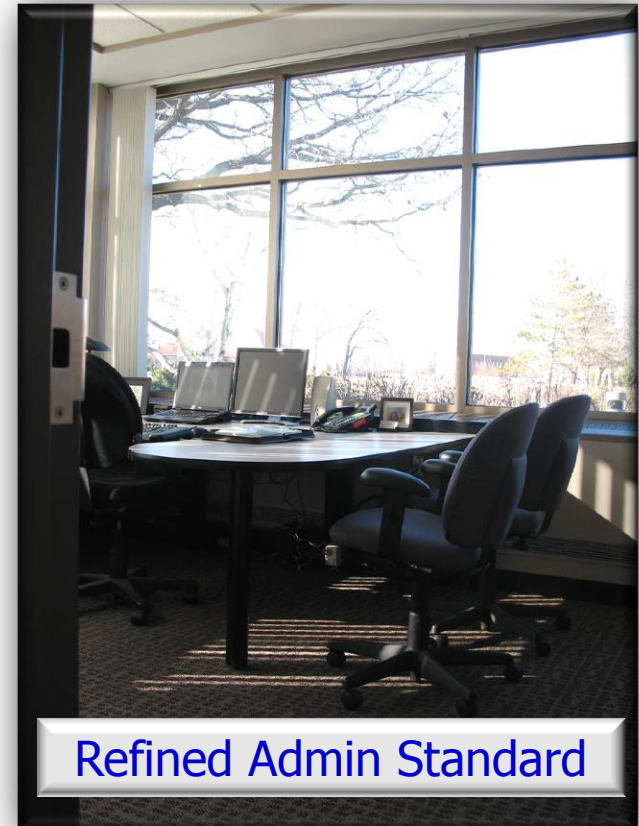


Snapshot – Changing the Culture

Previous Admin Standard



Refined Admin Standard



Main Point: Refine ANG facilities and areas by defining space based on functional need & by applying consistent administrative standards

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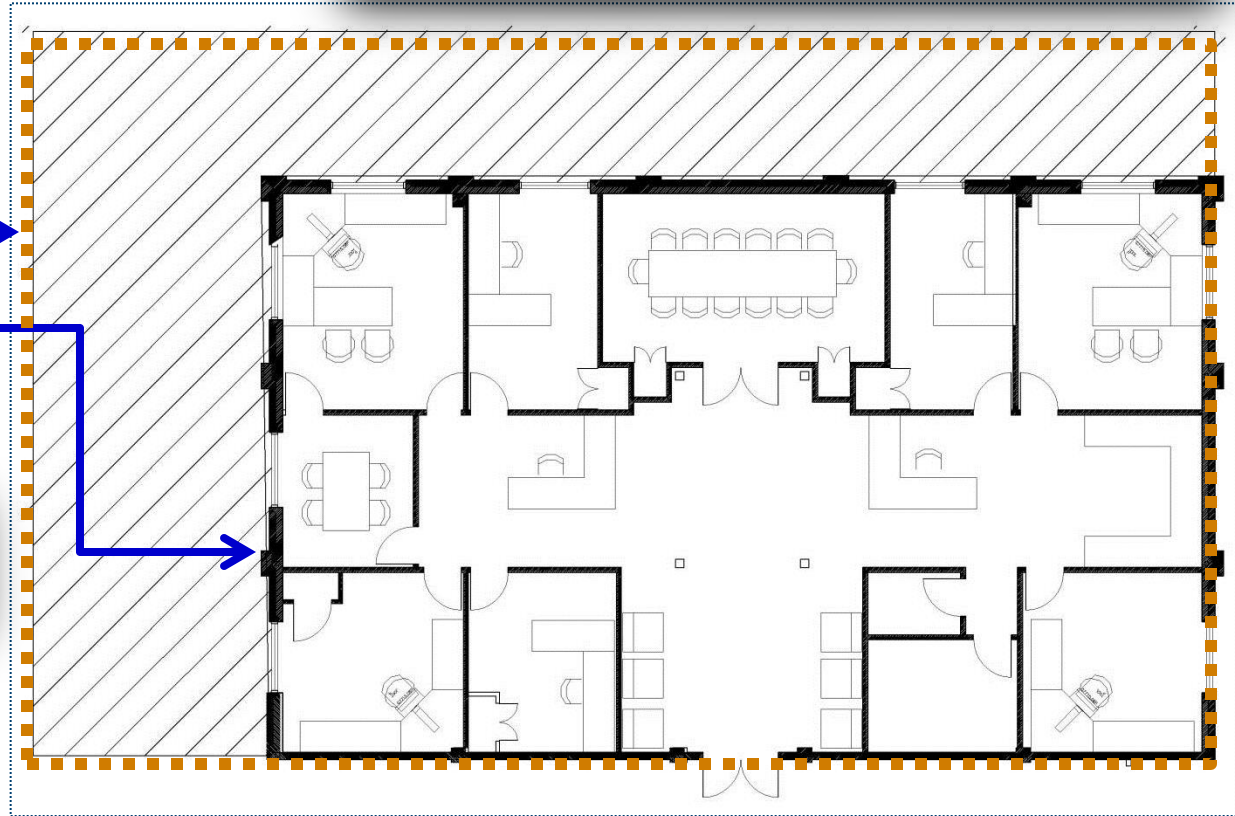
Snapshot - Results

Wing Command Suite – Revised
(No change to staffing or functions)

Old Design:
3,522 SF

New Design:
2,270 SF

Delta: 1,252 SF
(35% Reduction)



Main Point: Refine ANG facilities and areas by defining space based on functional need & by applying consistent administrative standards

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Snapshot: Dining Hall Transition



Main Point: Assess capabilities of existing facilities & create initiatives to optimize spaces with Wing functions, DoD, Federal, State, Local agencies

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Snapshot: Dining Hall Transition

Dining and Training Facility

- * Dining Area – exclusive use 6± hrs each month
- * Conference & Classroom adaptability
- * Unit Assembly Area (vice each facility)
- * Community events & public media center

Main Point: *Assess capabilities of existing facilities & create initiatives to optimize spaces with Wing functions, DoD, Federal, State, Local agencies*

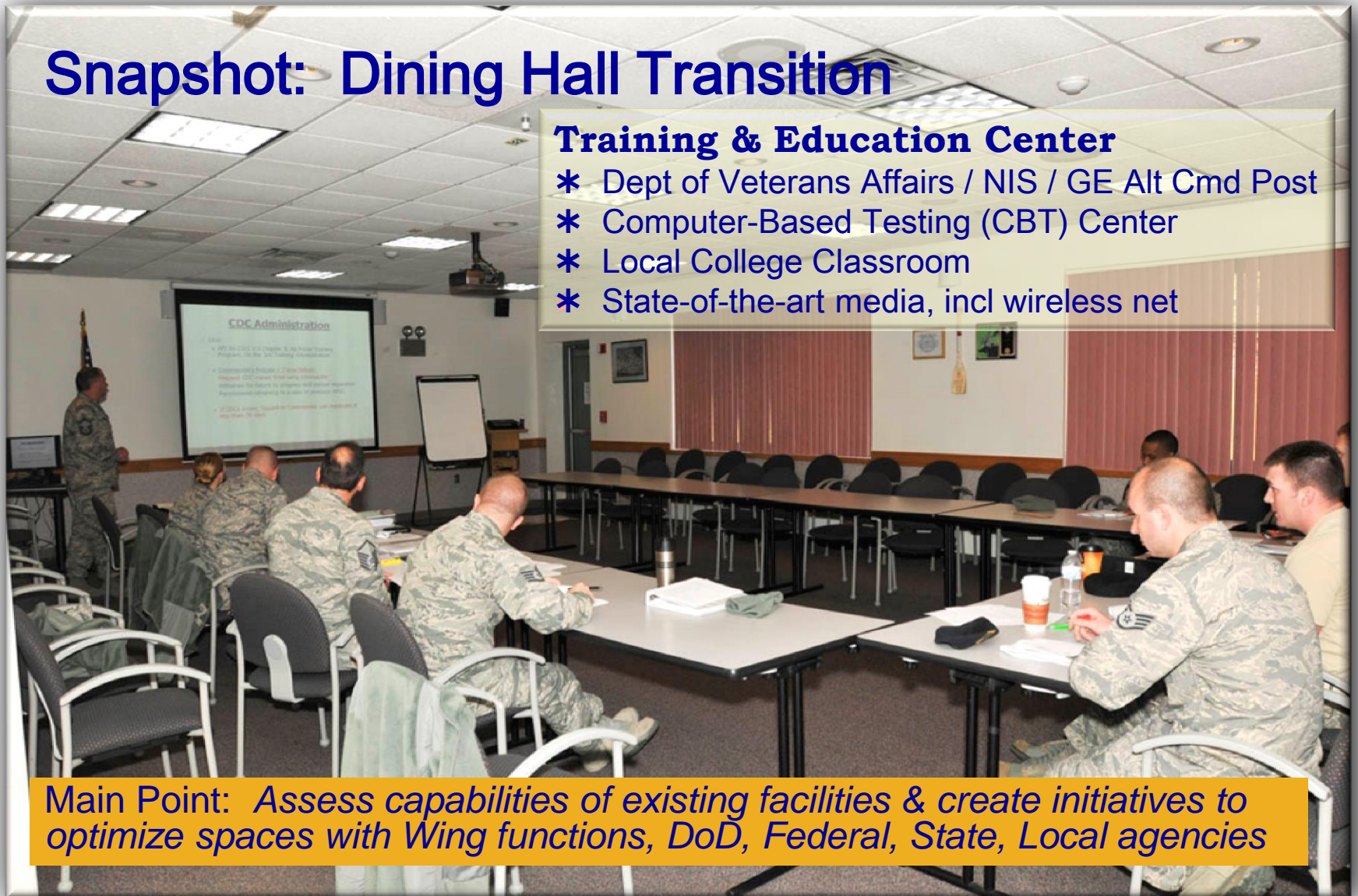
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Snapshot: Dining Hall Transition

Training & Education Center

- * Dept of Veterans Affairs / NIS / GE Alt Cmd Post
- * Computer-Based Testing (CBT) Center
- * Local College Classroom
- * State-of-the-art media, incl wireless net



Main Point: Assess capabilities of existing facilities & create initiatives to optimize spaces with Wing functions, DoD, Federal, State, Local agencies

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Merging ANG Facility Space Management with the International Standardization Organization (ISO)

- Provide programmatic strategic and operational objectives
- Define the transition process...transparent, repeatable, defensible
- Present results:
 - Reduced administrative spaces with no mission degradation
 - Redefined & clearly articulated facility overhead criteria
- Challenged and Transitioned the Entitlement Culture
- Established New Space Variance Process
 - Incorporates Partnering/Stockholders Input
- Institutionalized a Standard & Systematic Approach
 - Adhere to Annual Updates

Main Point: ANG implemented revised facility space standards in 2012, and is actively engaged in assessing achievement of objectives



Let's Connect!

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Send Me Your (easy) Questions

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