

# Air Force Civil Engineer Center

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**Why Should  
AFCEC be  
Involved in  
your Program?**

Mr. Randy Brown  
Director  
15 June 16



# Where AFCEC Fits



**Air Force  
Chief of Staff  
Gen Mark Welsh III**



**Commander, Air Force  
Materiel Command  
Gen Ellen Pawlikowski**



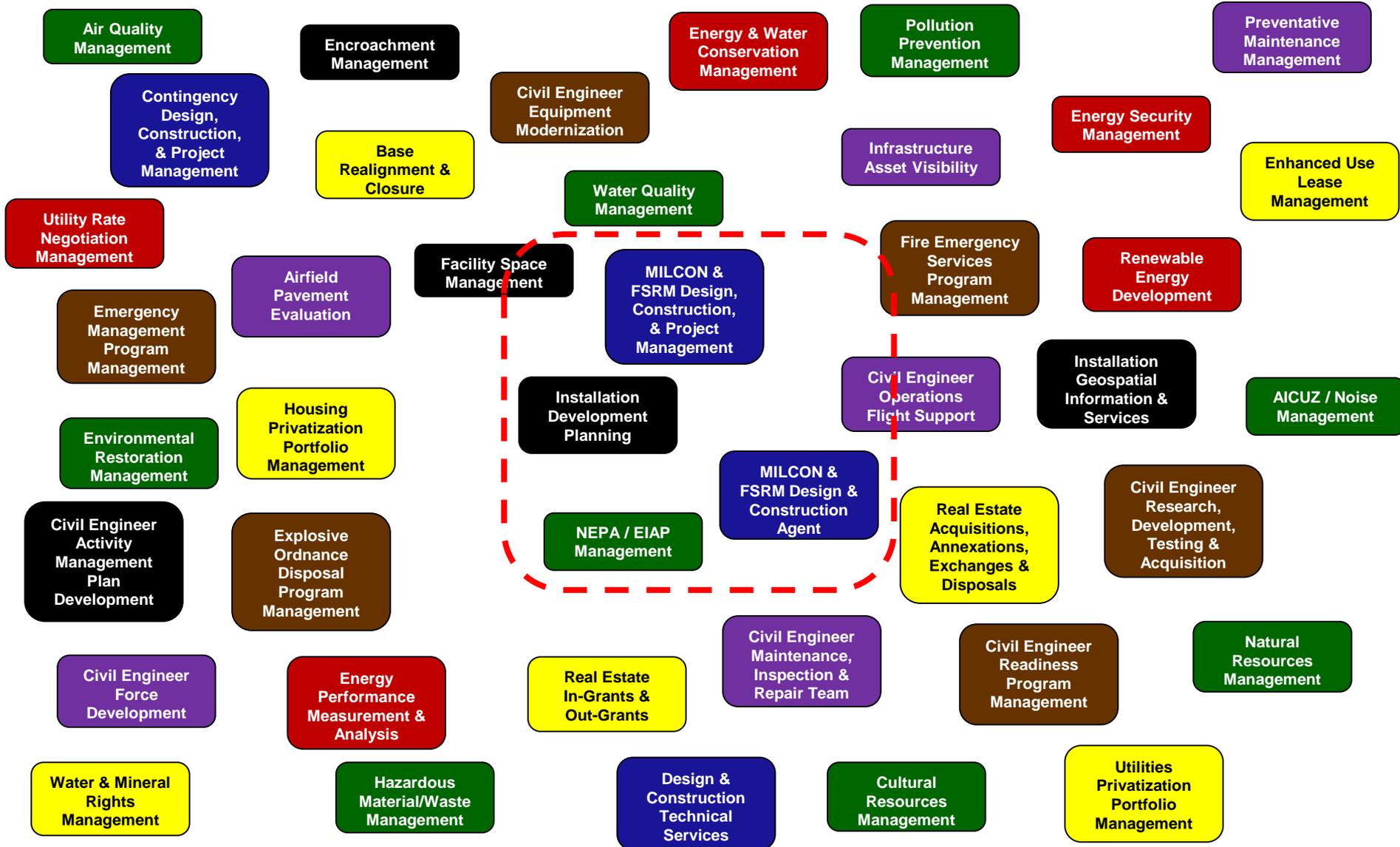
**Commander, AF Installation & Mission  
Support Center  
Maj Gen Theresa Carter**



**Air Force  
Civil Engineer Center  
Mr. Randy Brown**



# What is AFCEC?

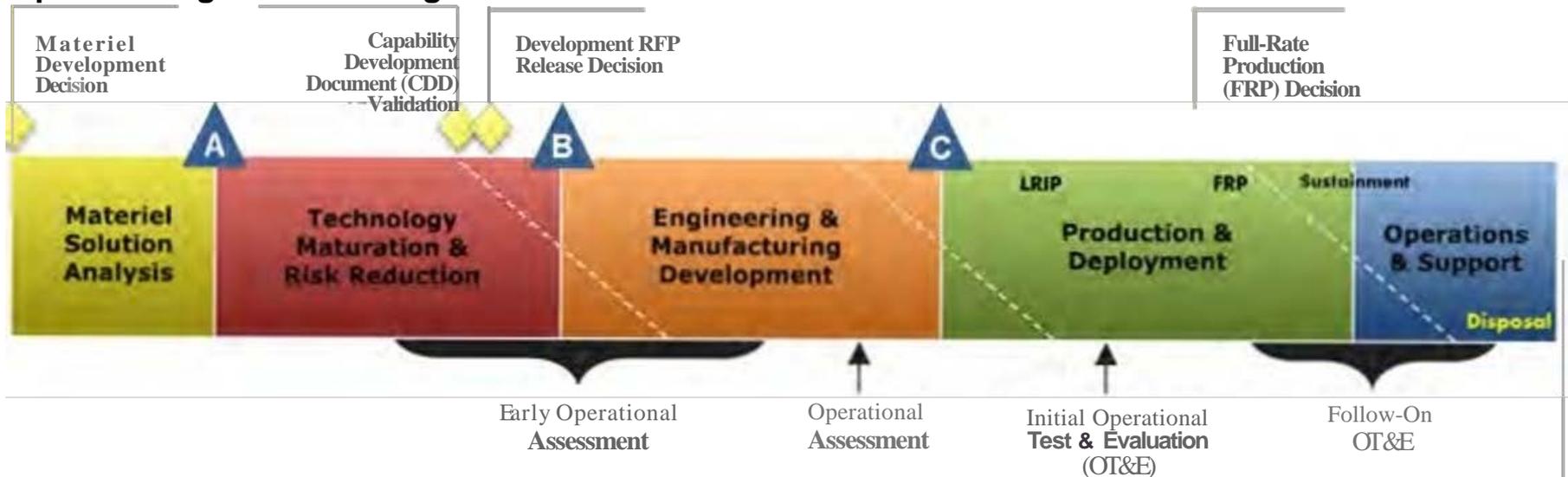




# Civil Engineers in The Acquisition Process



The acquisition process for hardware intensive major defense programs (model 1) is shown here. As early as the Material Solution Analysis and Technology Maturation & Risk Reduction phases, facilities engineers support the acquisition process by performing the following:



- Develop initial planning concepts, identify potential facility impacts
- Validate any assumptions regarding need for existing facilities to support concepts
- Provide cost estimates of any prospective facilities impacts so that alternative concepts may be properly assessed with respect to total ownership costs
- Determine if there will be facility impacts that may result in MILCON or recapitalization

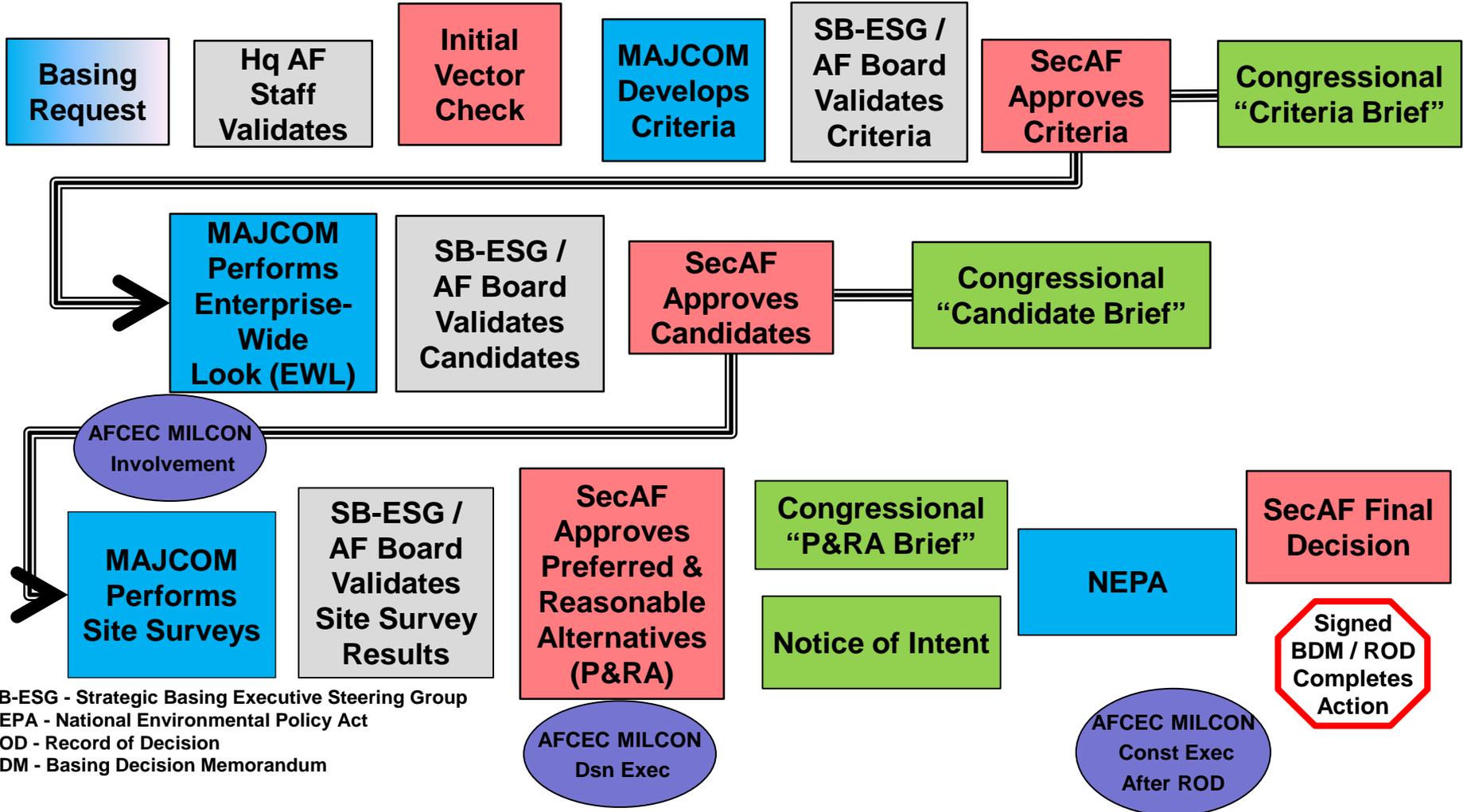
**Civil Engineers – Creating infrastructure that supports Acquisition**



# AF Strategic Basing Process



(AS DIRECTED)



- SB-ESG - Strategic Basing Executive Steering Group
- NEPA - National Environmental Policy Act
- ROD - Record of Decision
- BDM - Basing Decision Memorandum



# NEPA/EIAP Process

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- **The AF's Environmental Impact Analysis Process (EIAP) is required by the National Environmental Policy Act (NEPA), 40 CFR, Parts 1500-1508...*it's the law!***
- **EIAP is codified within 32 CFR, Part 989**



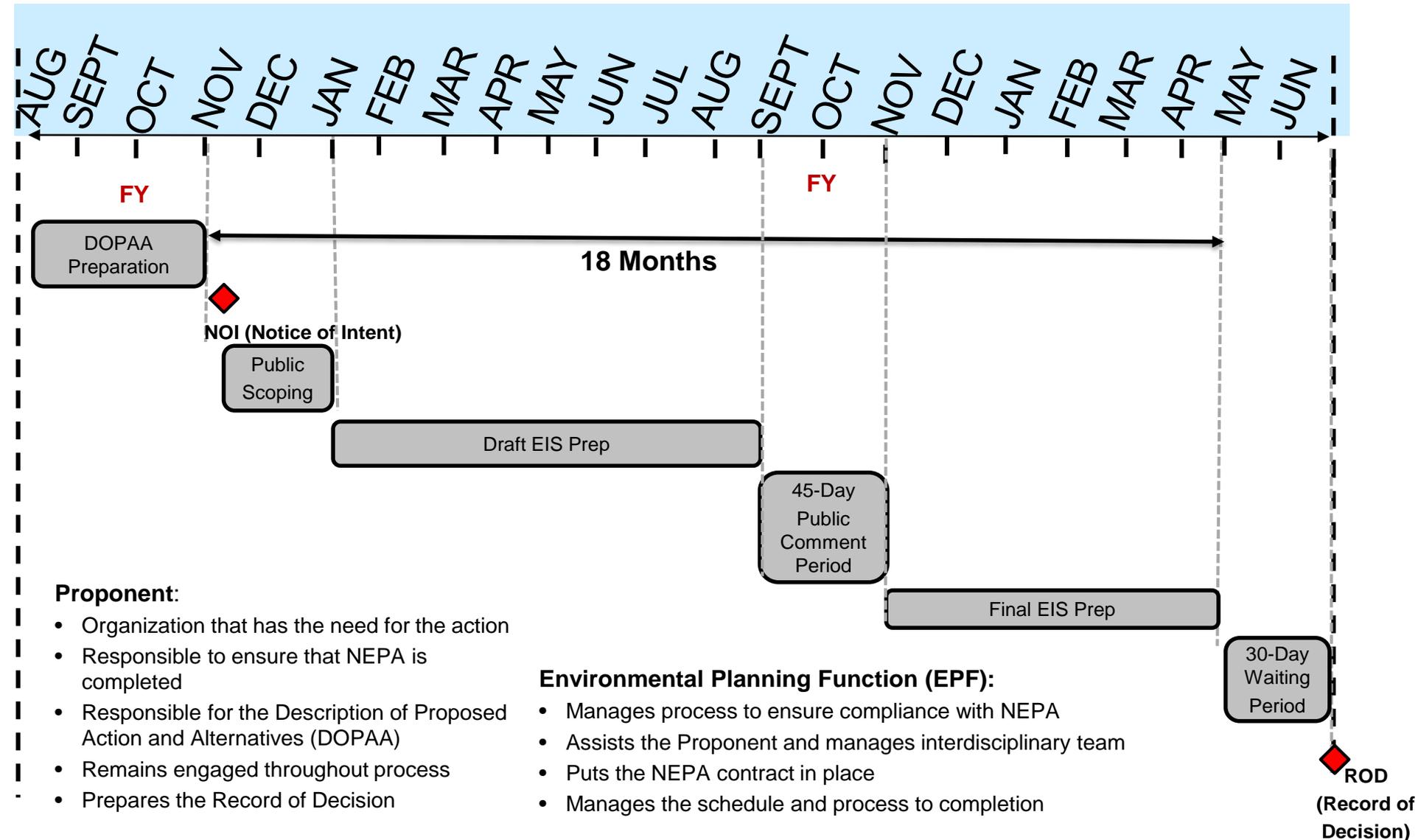
# Levels of NEPA Analysis

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- **Three levels of NEPA analysis can be completed depending on the type of action to be considered**
  - **Categorical Exclusion (CATEX) – Certain classes of actions are “categorically excluded” from further NEPA analysis. Must fit the definition of one of the 38 CATEXs listed at 32 CFR 989 (e.g. Construction w/in 5 ft. line of existing building)**
  - **Environmental Assessment (EA) – Environmental analysis normally prepared by contract conducted for actions not expected to result in significant environmental impacts. (6-9 Mos)**
  - **Environmental Impact Statement (EIS) – Environmental analysis conducted for major actions (i.e. weapons system beddowns, range and airspace actions, etc.). (18-24 Mos)**



# Notional 18 Month EIS Schedule



### Proponent:

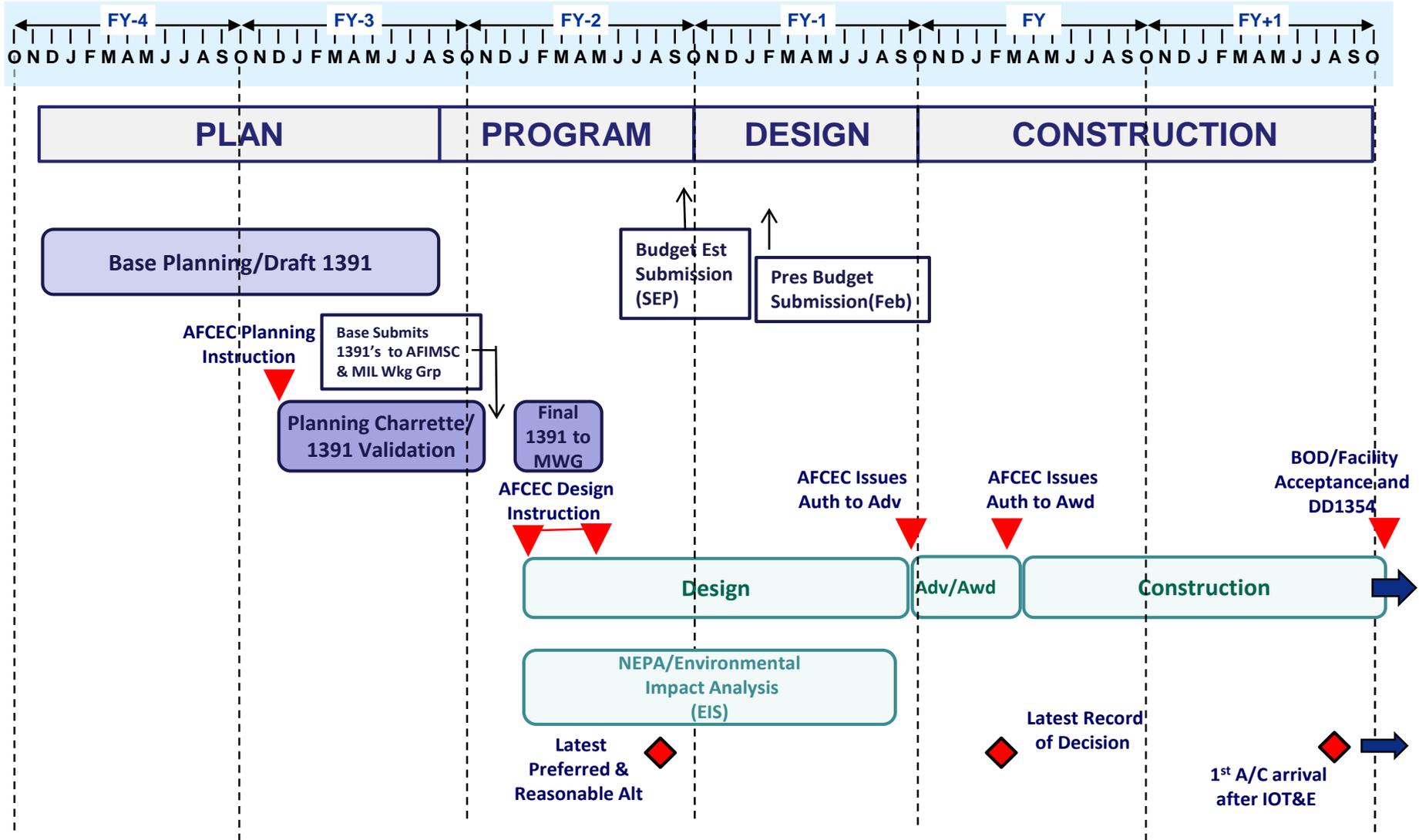
- Organization that has the need for the action
- Responsible to ensure that NEPA is completed
- Responsible for the Description of Proposed Action and Alternatives (DOPAA)
- Remains engaged throughout process
- Prepares the Record of Decision

### Environmental Planning Function (EPF):

- Manages process to ensure compliance with NEPA
- Assists the Proponent and manages interdisciplinary team
- Puts the NEPA contract in place
- Manages the schedule and process to completion

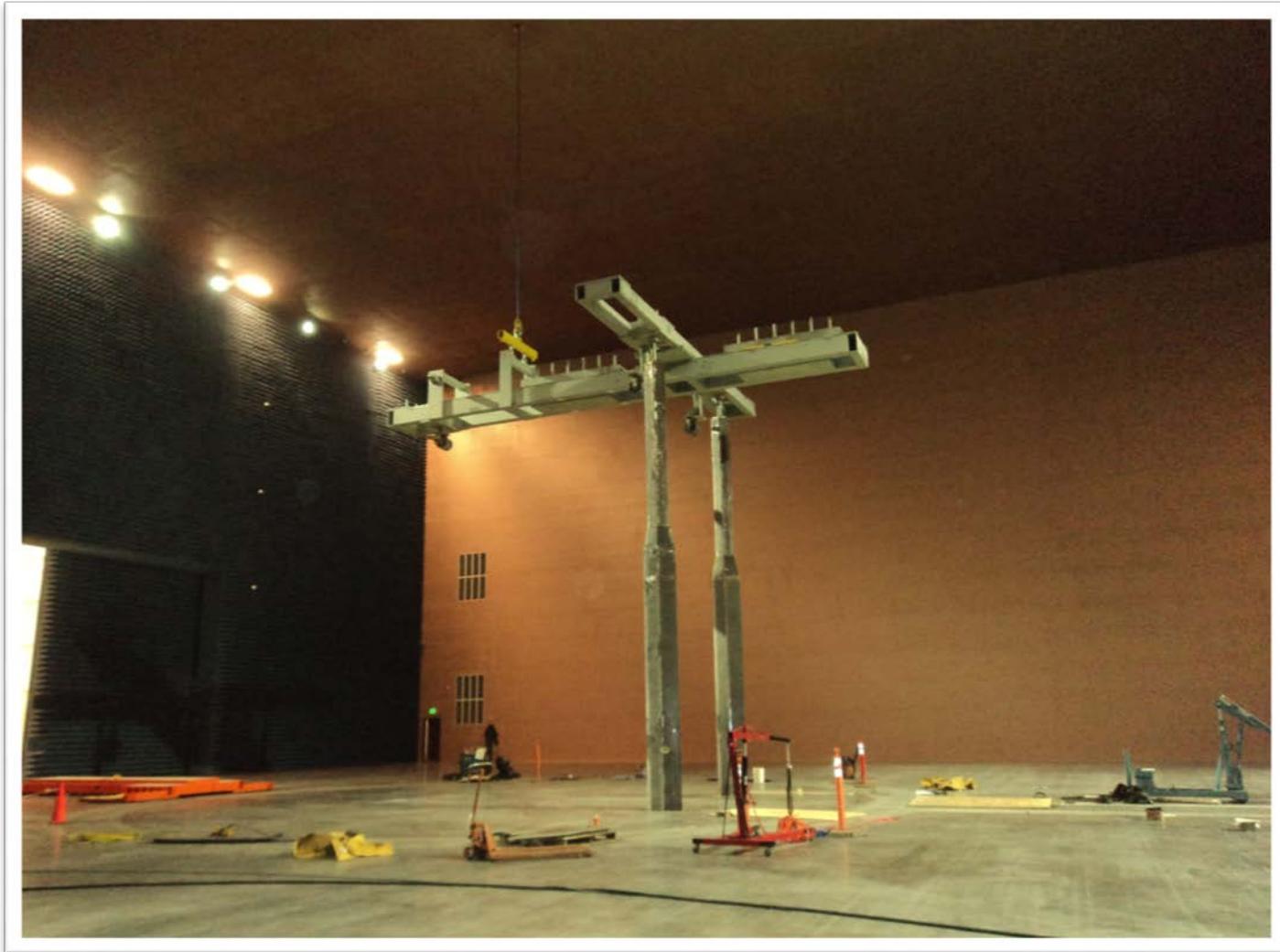


# MILCON & DD1391 TIMELINE





# Case Study: Hill AFB





# Acquisition MILCON Roles & Responsibilities

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- **Acquisition Team:**
  - **Provides new Weapons Systems' facility requirements**
    - Aircraft dimensions
    - Aircraft utility system requirements (Power/Cooling/Comm)
    - Security requirements
  - **Provides Simulator/Trainer equipment requirements**
    - Dimensions and floor loads
    - Utility system requirements (Power/Cooling/Comm)
    - Security requirements
  - **Specialized Equipment (Testing, special maintenance, etc)**
    - Funded with investment funds (3080)
    - Typically installed by Acquisition team/end user after BOD
  - **Fixtures, Furnishings, and Equipment**
    - Funded with O&M funds
    - Can be purchased & installed by User or Construction Agent



# Civil Engineer MILCON Roles & Responsibilities

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- **Installation:**
  - **Planning, Programming, Environmental, Cert of Compliance, etc.**
  - **Design Review Support**
  - **Base Support, construction monitoring and facility acceptance**
- **AFCEC – Design Manager/Construction Manager (DM/CM):**
  - **Leads project cost & scope validation during planning/programming**
  - **Program Management During Design, Construction and Close Out**
  - **AF Lead and single POC providing direction to Agent**
  - **Fiscal Management and Change Management**
- **Agent - Design Agent/Construction Agent (DA/CA):**
  - **Contract Execution for design and construction**
  - **Ensure technical compliance & adequacy of designs**
  - **Directs and controls contractor activities**
  - **Ensures final construction completion and DD1354 for facility acceptance**



# Takeaways

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- **Schedules are interdependent**
- **We are your agents...make us part of your team**
- **If you have a question, call us! We're here to help!**

**Civil Engineers – Creating infrastructure that supports Acquisition**



# How to Reach Us

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**[www.afcec.af.mil](http://www.afcec.af.mil)**

<b>AFCEC Front Office</b>	<b>(210) 395-8000</b>
<b>Facility Engineering</b>	<b>(210) 395-8312</b>
<b>Planning and Integration</b>	<b>(210) 395-8016</b>
<b>Environmental</b>	<b>(210) 395-8362</b>
<b>Installations</b>	<b>(210) 395-9440</b>
<b>Energy</b>	<b>(850) 283-6357</b>
<b>Operations</b>	<b>(850) 283-6370</b>
<b>Readiness</b>	<b>(850) 283-6123</b>





# BACK-UP

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# EIS Overview

