F-35 Introduction to MCAS Cherry Point

Public Works
August 2017

FOUO
• Evaluated 4 alternatives for east coast basing of 11 operational squadrons and the Pilot Training Center (PTC)

• Preferred Alternative: **8 operational squadrons to be located at MCAS Cherry Point**; 3 operational squadrons and the PTC to be located at MCAS Beaufort

• Navy signed a Record of Decision on December 9, 2010 implementing the preferred alternative.
USMC F-35 ‘Ready for Operations’

• MCAS Yuma - 1 May 2012
• MCAS Beaufort - 1 Jan 2014
• MCAS Iwakuni - 1 Mar 2014
• USMC Okinawa - 1 July 2016
• MCAS Miramar - 1 May 2022
• MCAS Cherry Point - 1 May 2022
SecNav Basing Record of Decision
Dec 2010
based on two USMC JSF Environmental Impact Studies

**Basing plans are subject to change and further environmental analysis**
• EA-6B sundown starts in FY 2016, completes by end of FY 2019
• AV-8B transition starts in FY 2022, completes by end of FY 2026
• F-35 standup starts FY 2022, through FY 2031
  – HQMC Directed End state: 7 squadrons, 94 aircraft (per AVPLAN)
• MILCON projects FY 2019 to FY 2027
Active Duty Squadrons (6 total, 84 AC)

1QFY23 | 3QFY24 | 3QFY25 | 1QFY28 | 3QFY29

4QFY23

Reserve Squadron (1, 10 AC)

2QFY31
F-35 FACILITIES PLAN
FRD – Facilities Requirements Document

- Provided by the Joint Program Office
- Prepared by Lockheed Martin
- Facility requirements for:
  - Security
  - Airfield Pavements
  - Squadron Operations
  - Autonomic Logistics Info. System
  - Operational Training
  - Aircraft Maintenance
  - Supply
Needed to Support First F-35 Squadron Arrival

- Upgraded Utilities
- Hangars
- Pilot Training/Sim Fac
- GSE Shop
- Airfield Security
- Spqt Eqmt Storage Fac
- Armament Shop
- Vert Landing Pads
- Arm/De-arm Pads
- Engine Maint Fac
- ALF Improvements
- ATC/AirOps Fac
• Updated in 2014
• Included a ‘Flightline Study and ATCT Siting Study’.
• Improved upon the initial F-35 facilities concept as identified in the 2009 ‘NAVFAC Concept Development Plan.’
• Utilities Study completed in 2015

Studies Recommend Recapitalizing Flightline Facilities and significant upgrades to utilities infrastructure
Marine Corps Air Station Cherry Point

Flightline Study & Air Traffic Control Tower Siting Study
Project Timeline

Design: 12 months
Demolition: 4-6 months
Construction: 24 months

SPAWAR Install / SAPF Certification / ALIS: 6-9 months

Project Completion – 36 months

*RFO per DCA

May 2019

May 2022

Ready for Operations

1st F-35 Hangar Project Timeline
### Hangar Plan

**MARINE CORPS AIR STATION**  
**CHERRY POINT**  

**(pre-decisional, concept only)**

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**Planning Considerations:**
- VMAs require hangar space through transition
- 30-months for Hangar Demo/Construction + 6-mth to 9-mth for certifications
- VMAs sundown FY16-19, per the AVPLAN
- Need to consider FRC-E space for AV-8B support
- Current plan is based on FY17 AVPLAN

**Stand down:**
- VMAQ-1: SEP-16
- VMAQ-4: SEP-17
- VMAQ-3: SEP-18
- VMAQ-2: SEP-19
- VMAT-203: SEP-22
- VMAQ-23: SEP-22
- VMAQ-542: MAR-23
- VMAQ-231: MAR-26

**Stand up:**
- VMFA OCT-22
- VMFA 1QFY23 (VMFA-223) B
- VMFA APR-23
- VMFA 3QFY23 (VMFA-542) B
- VMFA JUL-24
- VMFA 4QFY24 (VMFA-533) B
- VMFA OCT-24
- VMFA 1QFY25 (VMFA-251) B
- VMFA APR-26
- VMFA 3QFY26 (VMFA-223) B
- VMFA OCT-27
- VMFA 1QFY28 (VMFA-312) B
- VMFAR OCT-30
- VMFAR 1QFY31 (VMFAR-112) B

**MILCON**
- FY18
- FY19
- FY20
- FY21
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- FY23
- FY24
- FY25
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- FY30
- FY31

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**FIRST AIRCRAFT ARRIVAL**

**Start Construction**

**SUNDOWN**

**TRANSITION**
The F-35 Program requires the complete recapitalization of antiquated aviation operation and support facilities to accept 7 F-35B/C squadrons over an 8 year period. Other facilities projects, to include airfield security improvements, and new aviation training facilities are also planned.

MILCON Project Summary

- **FY16**
  - P-222 Airfield Security Upgrades

- **FY19**
  - P-199 F-35 Hangar, Para Loft, Demo Hangars 130, 1700, 1701
  - P-235 F-35 Flightline Utilities Upgrade, Phase I

- **FY20**
  - P-206 Runway Improvements
  - P-204 Training and Simulator Facility
  - P-228 ATC Tower / AirfieldOps, Demo hangar 131

- **FY21**
  - P-239 F-35 Flightline Utilities Upgrade, Phase II
  - P-210 F-35 LHA Deck/FOB
  - P-197 F-35 Hangar and Parking Garage

- **FY22**
  - P-202 Support Equipment Storage
  - P-205 Vertical Landing Pad Improvements
  - P-226 MALS Maint Facility/MAG-HQ, Demo 3998, 3997

- **FY23**
  - P-207 Ground Support Equipment Shop

- **FY24**
  - P-200 F-35 Hangar, Demo Hangar 1667

- **FY27**
  - P-201 F-35 Hangar, Demo Hangar 1665

FY26 FY27 FY28 FY29 FY30 FY31
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Revision Date: 7/28/2017
FY16

- **P-222: Airfield Security Upgrades**
  - Installs fencing, radar, & other security improvements

FY19

- **P-235: Flightline Utilities Upgrade Phase I**
  - Constructs/modify utilities on 6th Avenue
- **P-199: F-35 Hangar**
  - Demolishes hangars 1700, 1701, 130 & SCIF 4553
  - Constructs 2-module F-35 hangar
  - Relocates Bldg 140 (paraloft facility)
FY20

• **P-204: Training and Simulator Facility**
  - Constructs a pilot/flight simulator facility

• **P-206 Runway Improvements**
  - Asphalt repairs and replacement of existing airfield surfaces with concrete

• **P-228: ATC Tower / AirfieldOps**
  - Demolishes ATCT/AirfieldOps bldg 199 (33,145 SF)
  - Demolishes hangar 131
  - Constructs ATCT/AirfieldOps facility
FY21

- **P-239: Flightline Utilities Upgrade Phase II**
  - Constructs/modifies utilities on A Street

- **P-197: F-35 Hangar**
  - Constructs 2-module F-35 hangar
  - Constructs parking garage

- **P-210: F-35 LHA Deck/FOB**
  - Constructs new LHA deck & tower
  - Upgrades Expeditionary Airfield Facility at Bogue Field
**FY22**

- **P-205: Vertical Landing Pad Improvements**
  - Constructs 4 new high temperature concrete pads
- **P-202: Support Equipment Storage**
  - Provides F-35 support equipment storage facility
- **P-226: MALS-14 Maintenance Facility w/ MAG-HQ**
  - Demolishes hangar 3998 & engine maintenance bldg 3997
  - Constructs MALS-14 maintenance facility
  - Includes MAG-14 HQ
  - Constructs engine maintenance facility
  - Constructs aviation armament shop
FY23
  • P-207: Ground Support Equipment Shop
    - Constructs a GSE shop
FY24
  • P-200: F-35 Hangar
    - Demolishes hangar 1667 (94,450 SF)
    - Constructs 2-module F-35 hangar
FY27
  • P-201: F-35 Hangar
    - Constructs 1-module F-35 hangar
    - Demolishes hangar 1665 (94,450 SF)
The F-35 Program requires the complete recapitalization of antiquated aviation operation and support facilities to accept 7 F-35B/C squadrons over an 8 year period. Other facilities projects, to include airfield security improvements, and new aviation training facilities are also planned.

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FIRST AIRCRAFT ARRIVAL

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END CONSTRUCTION

Revision Date: 7/28/2017