

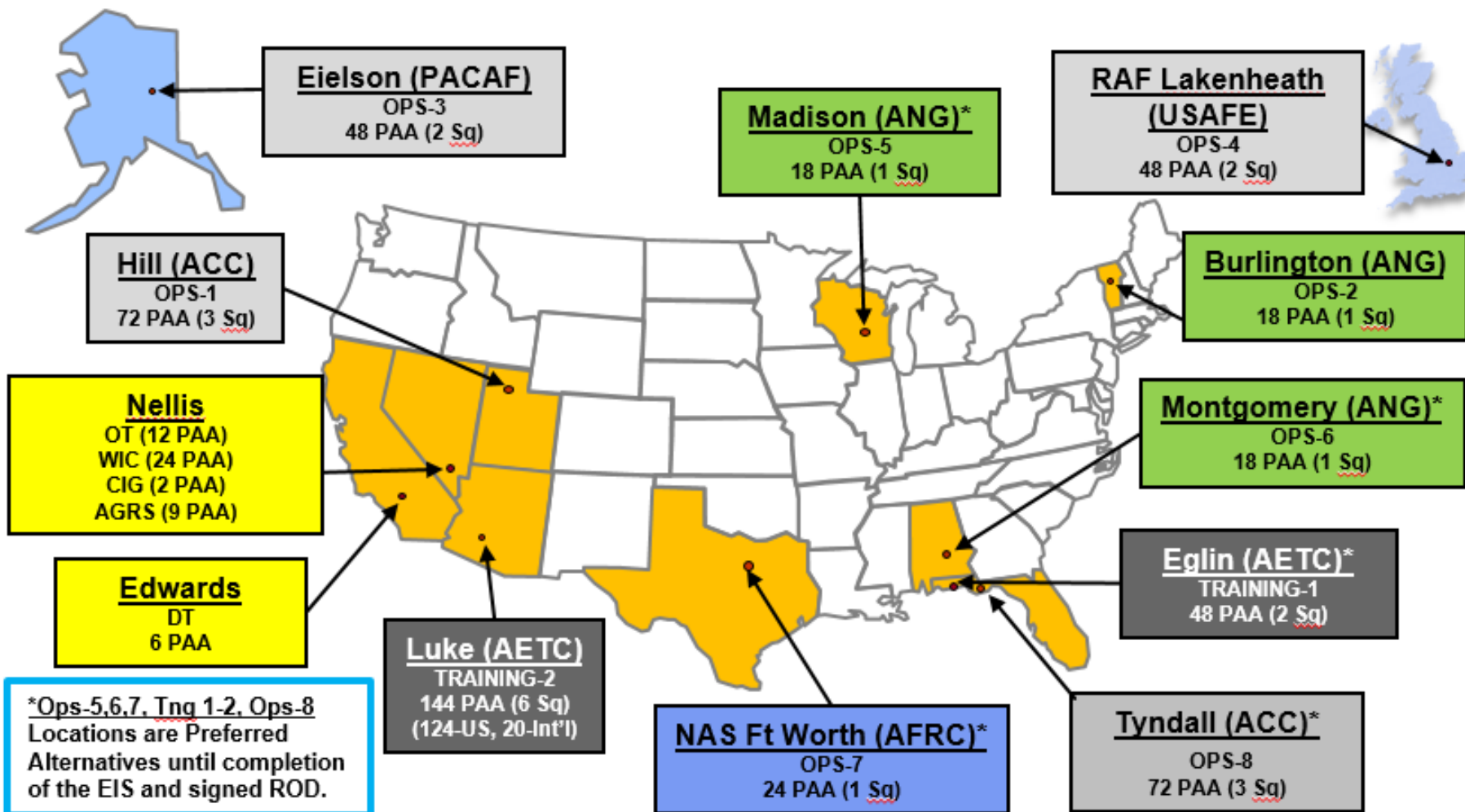


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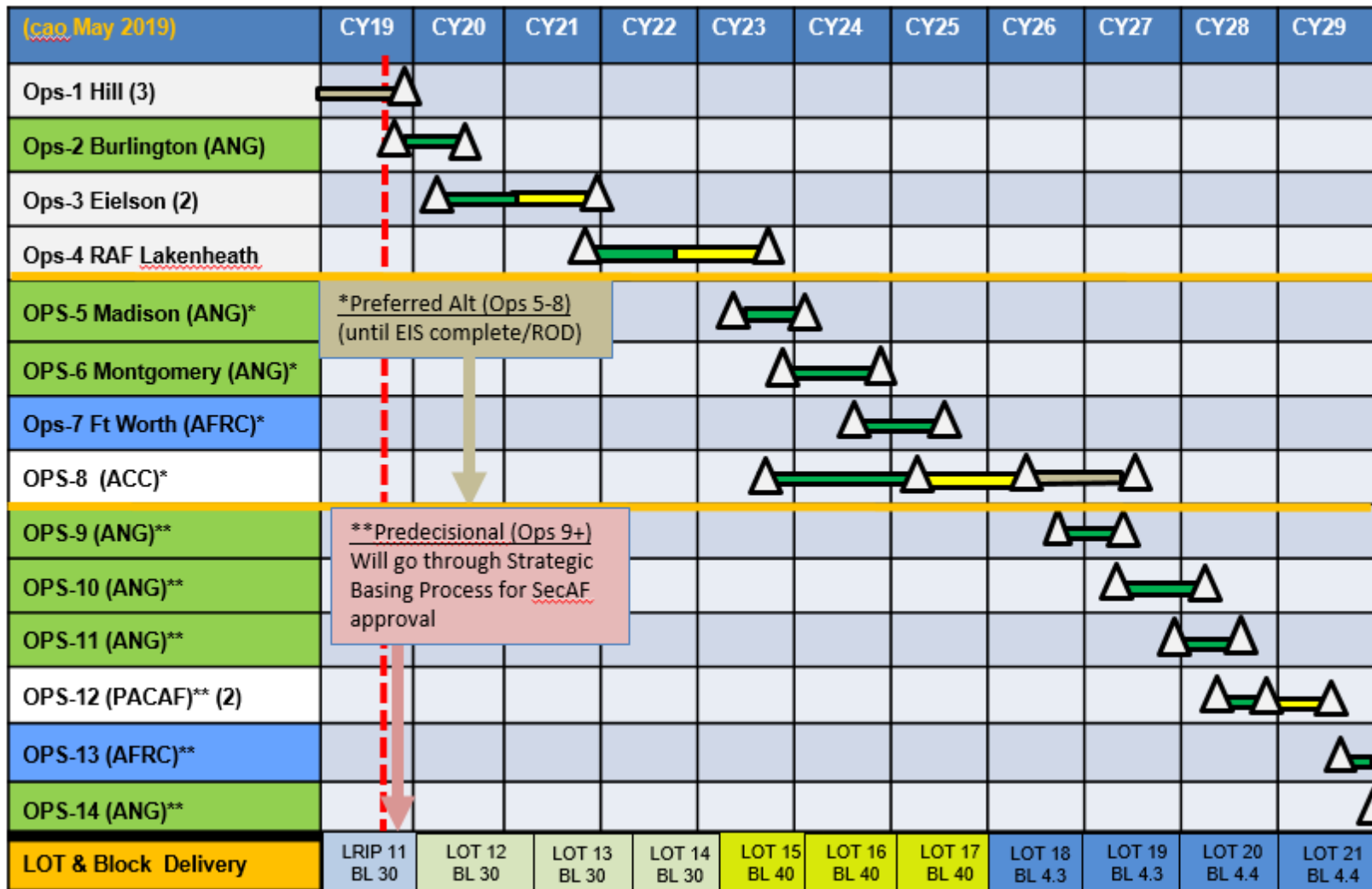


F-35A Locations by 2025





F-35A Beddown Next 10 Yrs





F-35A Beddown Next 30 Yrs



Unit	FAA
Ops 1-1 (Hill AFB, UT 34FS)	Aug-15
Ops 1-2 (4 FS)	Sep-17
Ops 1-3 (421 FS)	Dec-18
Ops 2 (ANG -Burlington, VT)	Sep-19
Ops 3-1 (Eielson AFB, AK)	Apr-20
Ops 3-2	Mar-21
Ops 4-1 (RAF Lakenheath, UK)	Nov-21
Ops 4-2	Oct-22
Ops 5-8 are Preferred Alternatives (until EIS completed/ROD signed)	
Ops 5 (ANG – Madison, WI)	Apr-23
Ops 6 (ANG – Montgomery, AL)	Dec-23
Ops 7 (AFRC-Ft Worth, TX)	Aug-24
Ops 8-1 (Tyndall AFB, FL)	Sep-23
Ops 8-2	Apr-25
Ops 8-3	Feb-26

Pre-Decisional Ops-9+	FAA
Ops 9 (ANG)	Sep-26
Ops 10 (ANG)	Apr-27
Ops 11 (ANG)	Dec-27
Ops 12-1 (PACAF)	Aug-28
Ops 12-2	Mar-28
Ops 13 (AFRC)	Oct-29
Ops 14 (ANG)	May-30
Ops 15 (ANG)	Nov-30
Ops 16-1 (USAFE)	May-31
Ops 16-2	Nov-31
Ops 17 (ANG)	Jun-32
Ops 18 (ANG)	Feb-33
Ops 19 (ANG)	Aug-33
Ops 20-1 (ACC)	Feb-34
Ops 20-2	Oct-34
Ops 20-3	Jun-35

Pre-Decisional Ops-9+	FAA
Ops 21 (ANG)	Jan-36
Ops 22 (ANG)	Jun-36
Ops 23 (ANG)	Jan-37
Ops 24-1 (ACC)	Jul-37
Ops 24-2	Feb-38
Ops 24-3	Sep-38
Ops 25 (AFRC)	Mar-39
Ops 26 (ANG)	Nov-39
Ops 27 (ANG)	May-40
Ops 28-1 (PACAF)	Oct-40
Ops 28-2	May-41
Ops 29 (ANG)	Oct-41
Ops 30-1 (ACC)	Mar-42
Ops 30-2	Aug-42
Attrition Reserve delivery-start	Mar-43
Last aircraft delivered (1,763)	Dec-48





AF 207 – 31 Jul 2019





VTANG Timeline

- **2009: USAF (ACC/ANG) site survey**
 - **2010: Environmental impact (EIS) analysis begins**
 - **2011: Site Activation Task Force (SATAF) begins**
 - **2013: Final EIS, Record of Decision (ROD)**
 - **2015: VTANG moves up to “Ops-2”**
 - **2016: VTANG personnel start EAD F-35A tours**
 - **2017: Construction begins on F-35 projects**
 - **2018: VTANG pilots begin F-35A transition training**
 - **2019: First Aircraft Arrival (FAA) Sep 19**
-



F-35A Comparison



F-16



Length	49.7 ft
Span	31 ft
Wing Area	300 ft ²
Internal Fuel	7,162 lb

F-35A



Length	51.4 ft
Span	35 ft
Wing Area	460 ft ²
Internal Fuel	18,307 lb

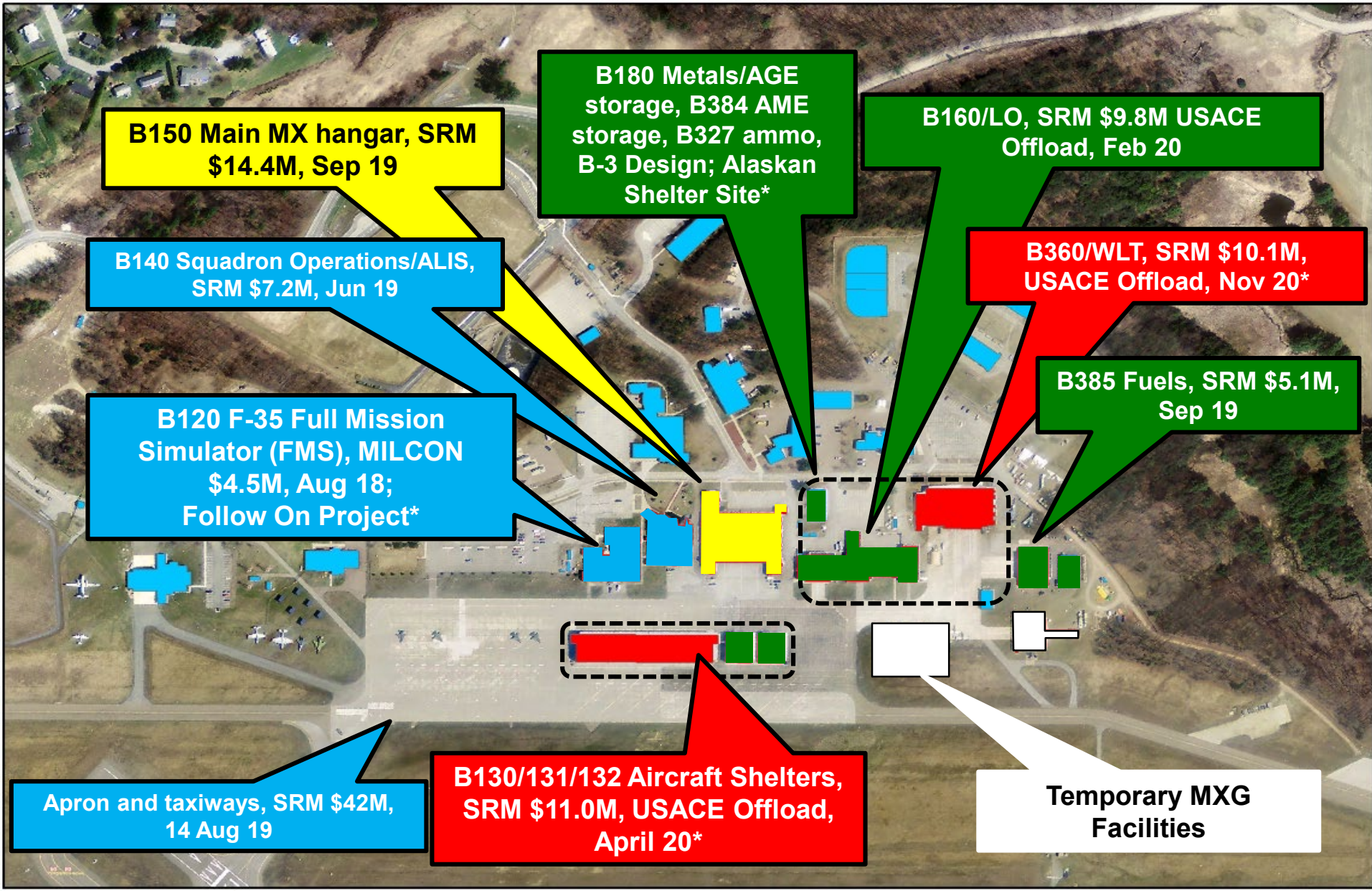
F-22



Length	62.1 ft
Span	44.5 ft
Wing Area	840 ft ²
Internal Fuel	18,000 lb



Facilities



B150 Main MX hangar, SRM \$14.4M, Sep 19

B140 Squadron Operations/ALIS, SRM \$7.2M, Jun 19

B120 F-35 Full Mission Simulator (FMS), MILCON \$4.5M, Aug 18; Follow On Project*

B180 Metals/AGE storage, B384 AME storage, B327 ammo, B-3 Design; Alaskan Shelter Site*

B160/LO, SRM \$9.8M USACE Offload, Feb 20

B360/WLT, SRM \$10.1M, USACE Offload, Nov 20*

B385 Fuels, SRM \$5.1M, Sep 19

Apron and taxiways, SRM \$42M, 14 Aug 19

B130/131/132 Aircraft Shelters, SRM \$11.0M, USACE Offload, April 20*

Temporary MXG Facilities



MX Conversion Trng Plan



- **Extended Active Duty (EAD)**
 - **51 VTANG members across various specialties**

 - **Field Training Detachment (FTD)**
 - **AFSC specific formal training course**
 - **Locations: Luke AFB, Hill AFB, Eglin AFB**
 - **Hands-On-Training (HOT) following course completion**

 - **MX Cadre**
 - **60+ in-place at FAA covering all critical AFSCs**
-



MX Conversion Trng Plan



- **Field Training Team (FTT)**
 - **AETC provided course**
 - **Designed for personnel not attending FTD or EAD**
 - **150+ MXG personnel for AFSC specific training**
 - **Crew Chiefs, Weapons, Avionics, Fuels**
 - **TFI (4/40 Active Association) participation**
 - **Dual shift operation, spans 65 days at VTANG**
 - **Follow on MEST**
-



Ops Conversion Trng Plan



- **Pilot F-35A transition training (TX-Course)**
 - **Transition 19 current VTANG pilots**
 - **Plus 1 x pilot from both Ops-5 and Ops-6**

 - **Pilot Cadre**
 - **5 pilots qualified in F-35A at first aircraft arrival (FAA)**

 - **Core Instructor Pilots (IPs)**
 - **8 F-35A IPs to train and upgrade pilots**

 - **DSG Pilots Return to 2 x 365 Day MEST Orders**
 - **AD and ANG carry identical training requirements**
-



158 FW Lessons Learned



■ Timelines

- EIS and ROD
- Infrastructure critical path planning
- Manning Document => Recruiting => Formal Schools
- Single-squadron FW – Current mission balance

■ Facilities

- MILCON vs SRM
- Internal state capacity – CE, Contracting, USPFO
- Army Corps of Engineers offload

■ Resources

- Full-time manning surge and enduring positions
- Tailored Support Equipment (SE) for single-squadron FW
- MEST following formal courses



Panel Discussion



Questions ?



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