

Space and Missile Systems Center

Production Corps Overview



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AFCEA

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PRODUCTION CORPS

APPROVED FOR PUBLIC RELEASE

MISSION:
The Production Corps delivers capabilities to the Warfighters and our allies using efficient processes executed by the most capable and dedicated professionals



1,200 - 22,000 Miles - HEO
Highly Elliptical Orbit
Optimal for extended polar coverage

22,000 Miles - GEO
Geostationary Earth Orbit
Optimal for Continuous Comm

1,200 - 22,000 Miles - MEO
Medium Earth Orbit
Optimal for Global Positioning, Navigation, & Timing

400-600 Miles - POLAR
Polar Orbit
Optimal for Sun Sync/Global Weather

1,200 Miles - LEO
Low Earth Orbit
Optimal for Earth Sensing

AFWET C2 Systems User Products

• AFWET

• OCX
• OCX 3F

• S2E2
• USNDS

• ACA
• OR2/2B
• RANGERS

• MGUE Inc 1
• MGUE Inc 2 Handheld
• MGUE Inc 2 MSI
• UE FMS

ACRONYM KEY

ACA – AEHF Capability Augmentation
AFWET – Air Force Wideband Enterprise Terminals
EPS – Enhanced Polar System

EPS-R – Enhanced Polar System - R
GPS – Global Positioning System
GPS III COps – GPS III Contingency Operations
MCEU – Military Code Early Use
MGUE Inc 1 – Military GPS User Equipment Increment 1
MGUE Inc 2 HH – MGUE Increment 2 HandHeld

MGUE Inc 2 MSI – MGUE 2 Miniature Serial Interface
OCX – Next Generation Operational Control System
OR 2/2B – System Operational Resiliency 2/2B
Rapid Adaptability Next Gen Relay Station (RANGERS)
SBIRS – Space-Based Infrared System
S2E2 – Space-Based Infrared System Survivable/Endurable Evolution

UE FMS – User Equipment Foreign Military Sales
USNDS – United States Nuclear Detonation Detection System
WGS – Wideband Global Satellite Communications
WSF – Weather System Follow-on



Production Corps By the Numbers

■ People:	883
■ MTA Efforts:	2
■ Programs	19
■ Incoming Program	1
■ Open APB Milestones & MTA Guardrails:	22
■ Launches in 2020:	3
■ Launches in 2021:	2
■ Satellites in production:	16
■ C2 Systems:	7
■ Fielded User Equipment:	Millions
■ FY21 Budget:	\$2.2B
■ FY22 PB:	\$14.7B



2021 Production Corps Upcoming Milestones

First Quarter Calendar Year 2021

- ✓ MGUE Inc 1 APB Re baseline (Jan 2021)
- ✓ MGUE Inc 1 Stryker PEO Certification (Feb 2021)*
- ✓ AFWET Eareckson 2 Terminal Commissioned (Mar 2021)

Second Quarter Calendar Year 2021

- ✓ GPS III SV06 Available for Launch (Apr 2021)
- ✓ Next Generation Operational Control System (OCX) 3F Contract Award (\$283M, Apr 2021)
- ✓ SBIRS GEO-5 Launch (May 2021, Atlas 5, CCSFS)
- ✓ GPS III SV07 Available for Launch (May 2021)
- ✓ AEHF Capability Augmentation 4 OA (May 2021)
- ✓ GPS Foreign Military Sales (FMS) 1st Military-Code on Contract (May 2021)

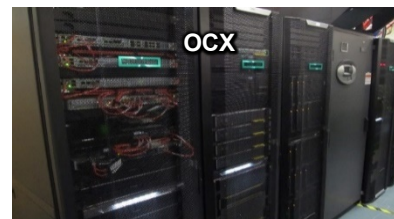
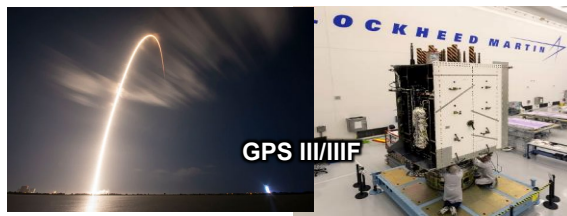
Third Quarter Calendar Year 2021

- ✓ GPS III SV08 Available for Launch (Jun 2021)*
- MGUE Inc. 2 Application-Specific Integrated Circuit (ASIC) Preliminary Design Review (PDR) Complete (Jun 2021)
- GPS III SV05 Launch (Jun 2021, Falcon 9, CCSFS)
- OCX Certificate of Conformance Complete (Jul 2021)
- OCX Monitoring Station Installs Complete (Aug 2021)
- EPS-R Payload #3 Delivery to Norway (Aug 2021)*
- United States Nuclear Detonation Detection System (USNDS) Acq Strat Approval (Sep 2021)
- MGUE Inc. 1 JLTV Field Test (Sep 2021)
- Vanguard Acq. Strat Approval (Sep 2021)
- SBIRS GEO-6 Available for Delivery (Sep 2021)*
- WGS 11+ International MOU Signed (Sep 2021)

Fourth Quarter Calendar Year 2021

- GPS IIIIF SV15-17 Contract Award (\$790M, Oct 2021)
- MGUE Inc. 2 Miniature Serial Interface (MSI) PDRs Complete (Nov 2021)
- EPS-R Payload #4 Delivery to Norway (Nov 2021)*
- WGS 11+ CDR (Nov 2021)
- MGUE Inc. 2 MSI PDRs Complete (Nov 2021)
- Initial transition of Navy MUOS into Production Corps (Dec 2021)

* APB Milestone





Production Corps' upcoming contract actions

- **Space and Missile Systems Center Technical Support (STS-3) Cybersecurity – Advisory and Assistance Services to Production Corps personnel and programs (est. RFP release date: 3QCY21)**
- **STS-3 Engineering - Advisory and Assistance Services to a couple of Production Corps Space Missile Warning and Space Awareness personnel and programs (est. RFP release date 3QCY21)**
- **Mobile user Objective System (MUOS) - Advisory and Assistance Services to Production Corps personnel and programs**
 - **SAFS-2 Acquisition Services (est. RFP release date: Nov 2021)**
 - **Engineering Services (est. RFP release date: Jan 2022)**
- **MUOS SVs 6-7**



Questions