

Military Communications & Positioning, Navigation, and Timing Update

AFCEA Acceleration Luncheon

16 June 2022

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MilComm & PNT Mission & Vision





Mission-Vision Highlights

World Class

Space Professionals People and Systems

MilComm & PNT

Unity of Effort

All Warfighting
Domains

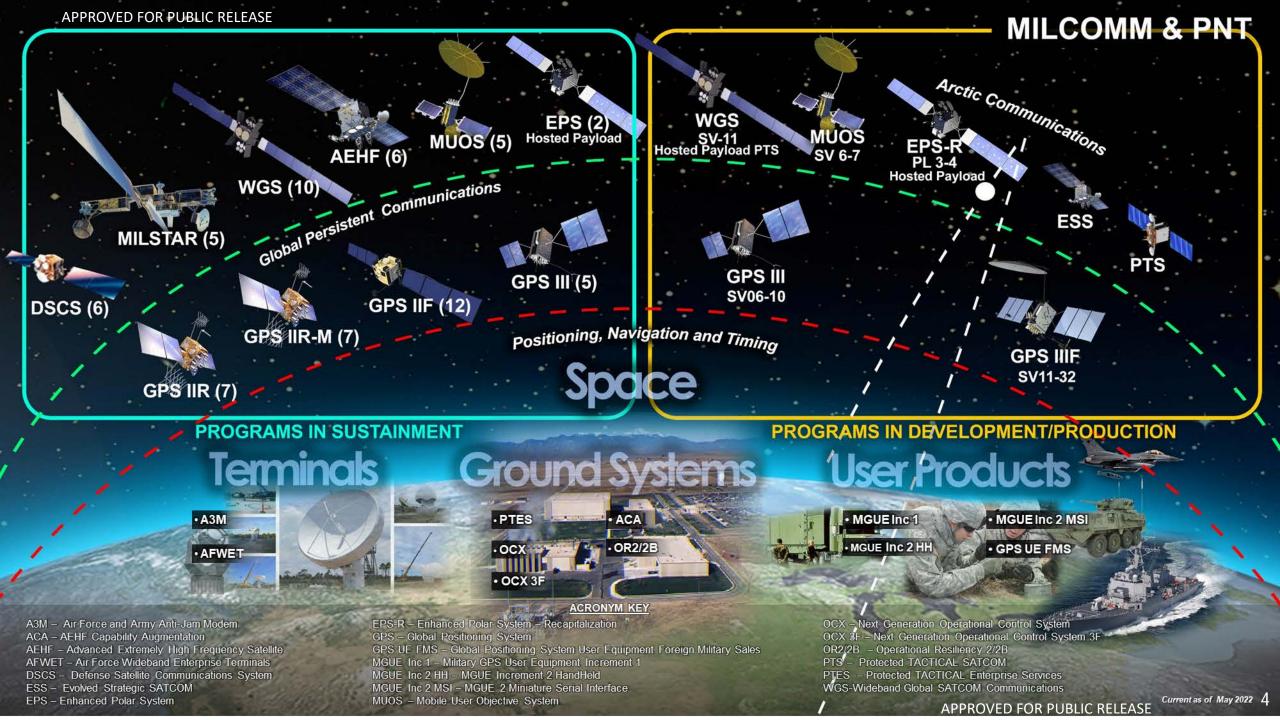
Acquisition Excellence

Relentless Pursuit

Resilient

Rapidly Deliver

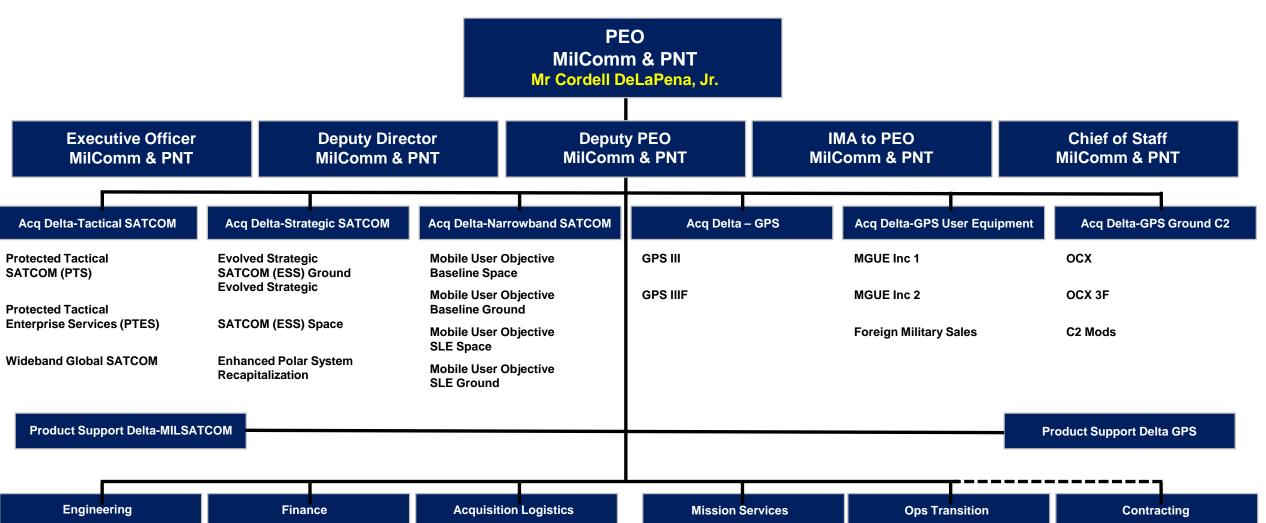
Premier CP Capabilities Any time Any place Warfighter Needs





as of May 2022





MILITARY COMMUNICATIONS & PNT BY THE NUMBERS





WGS 11+ (1) MUOS (2)
GPS III (5) EPS-R (2)
GPS IIIF (7)













GPS IIR-M

GPS IIF

GPS III



Over 400,00 GPS User Equipment (UE) sold through GPS Foreign Military Sales (FMS)

More than

GPS FMS cases in work and active engagement with 59 allied nations



2600+ SATCOM Terminals





Military Communications & PNT Directorate 2022 Completed & Upcoming Milestones

First Quarter Calendar Year 2022

- ✓ Cyber Defense Phase I Operational Acceptance (6 Jan 22)
- ✓ PATS Integration Event #1 (Feb)
- ✓ OCX Legacy Ground Antenna Equipment Installation (Mar)
- ✓ Military Communications and PNT Division established under SSC (Mar)

Second Quarter Calendar Year 2022

- ✓ OCX 3F Integrated Baseline Review (IBR) Complete (Apr)
- ✓ OCX 3F Development Readiness Review (DRR) Complete (Apr)
- ✓ Initial transition of Navy MUOS into MilComm & PNT (Apr)
- ✓ OCX 3F Milestone B Complete (May)
- MUOS Top Secret voice ready for operations (May)
- Award MUOS Service Life Extension (SLE) Satellite Technical and Trade Studies (May)
- MUOS Award of Foreign Military Sales (FMS) implementation (phase 2) contract (May)
- ESS Ground Acquisition Strategy Plan (ASP) w/ Senior Acquisition Executive (May)
- Award the Command and Control System Consolidated 18-Month Extension Contract
- Establish CPF Finance Division's Organization Structure/Assignments/ Culture
- EPS-R PL 1 Shipped To Northrop Grumman Space Systems, Dulles, VA (Jun*)
- MUOS Award of Digital Earth Terminal Interface Signal Processor Electromagnetic Interface (ETISP EMI) solution (BCubed) (July)

Third Quarter Calendar Year 2022

- EPS-R Site Acceptance Test (SAT) Complete (Aug)
- PTES Ops Demo (Aug)
- Complete transfer of Navy MUOS personnel to USSF (Sep)
- OCX HP Functional Qualification Test (FQT) Complete (Sep)
- MGUE Inc 2 MSI PDRs Complete (Sep)
- Complete All Shelter and Tower installs for FAB-T
- Award the Camp Parks Comm Annex, Transportable Ground Receive Suite, and Family of Advanced Beyond Line of Site Ground Transportable Antenna modification Contracts
- OCX Site Acceptance Test (SAT) Complete (Sep)
- Complete transfer of Navy MUOS to USSF (Sep)
- MUOS Delivery of Waveform 3.2 (Sep)
- · WGS 11+ International MOU Signed

Fourth Quarter Calendar Year 2022

- GPS III SV09 Available for Launch (Oct)
- GPS III SV06 Shipped to CCFS (Oct)
- MGUE Inc 1 GRAM-S/M Formal Qualification Test Complete (Oct)
- OCX DD-250 Acceptance (Oct)
- PATS Operations Center (PATSOC) Site Acceptance Test (Oct)
- GPS IIIF SV18-20 production option awarded (Oct)
- ACA 5 Operational Acceptance (Nov)
- Protected Anti-jam Tactical SATCOM (PATS) Integration Event #2 (Nov)
- Mission Planning Subsystem 8.4 Ops Acceptance (Dec)
- GPS IIR/IR-M SPU 10 delivery (Dec)
- ESS Rapid Prototyping Base Period Tech Maturation Demos Complete (all 3 industry partners) (Dec)

✓ Completed





- Addressing the Seams
- Integrating Teams
- Balancing Force Design with Program of Records
- Focus on the Threat



Questions?