



APNT CFT Signature Modernization Efforts

APNT



WHAT: PNT provides trusted and resilient data, when needed, to the Soldier and platforms

WHY: PNT is a critical enabler providing location and timing for most Army systems

HOW: Establish a PNT Modernization Strategy for the Army; Develop Requirements; Synchronize efforts across Research Development and Acquisition communities; Reduce the number of different solutions; guide development of open PNT architectures; Eliminate vendor unique solutions

WHEN: Capability Delivery -

✓ Mounted Assured PNT System (MAPS) GEN I – FY 19 to 2CR;

Dismounted Assured PNT System (DAPS) GEN I Fielding – FY 22;

MAPS GEN II Fielding - FY 23

Tactical Space



WHAT: Ensure Tactical Land Component Forces have access to required space-based capabilities (Communications, ISR and PNT) critical to Force Projection and Maneuver in LSCO and MDO

WHY: Tactical space efforts are critical enablers and will reduce identified gaps to protected communications, assured PNT, deep sensing and rapid, responsive long range targeting capabilities to support tactically responsive operations in a MDO environment

HOW: Partner with Industry, Joint Services and OGAs to leverage and demonstrate tactically responsive space technologies at echelon. Accelerate LRPF, FVL and NGCV targeting and SA using direct access and AI/ML to deliver mobile capabilities with scalable ground terminals

WHEN: Capability demos and delivery:

ISR Space Prototype Capabilities – FY20-22

Sensor-to-Shooter Live-Fire Exercises in USAREUR and USARPAC – FY20/FY21

TITAN First Unit Equipped - FY23

NAVWAR



WHAT: Provide NAVWAR techniques and technologies in support of defensive and offensive operations

WHY: NAVWAR is a critical enabler to preserve friendly and counter adversary use of PNT

HOW: Establish real-time GPS / GNSS Situational Awareness monitoring and reporting to tactical echelons. Synchronize and field defensive and offensive NAVWAR disruptive capabilities in conjunction with existing and future EW and APNT capabilities.

WHEN: Capability demos and delivery:

Linebacker HA Demo – 4QFY20

Linebacker / TAP QRC Integration – 4QFY20

EWPMT (w/PLASMA) CD4 - IOC 1QFY22