

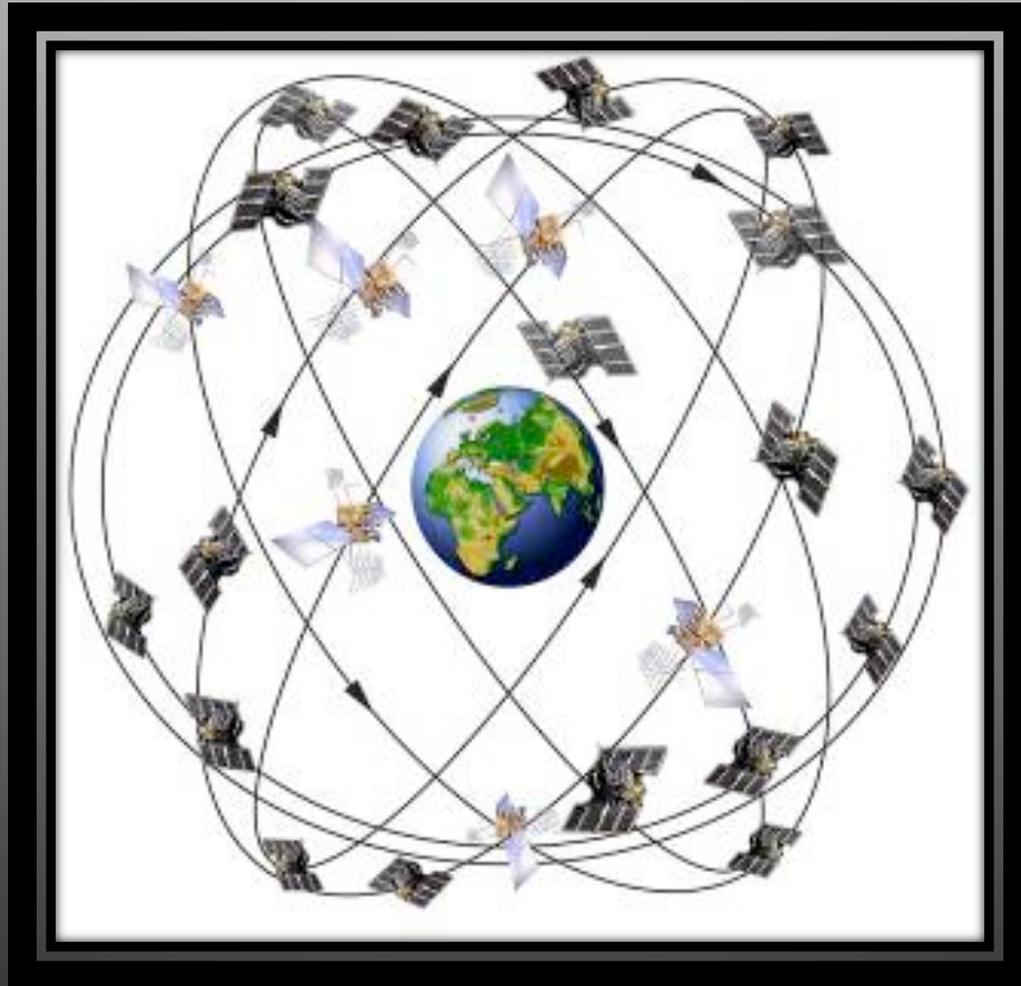
GLOBAL POSITIONING SYSTEMS DIRECTORATE

GPS Directorate

14 November 2012

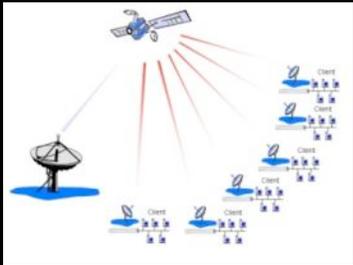
Col Bernie Gruber
Director, Global Positioning Systems Directorate



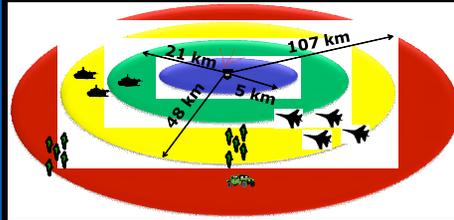




Key Management
 Reduced burdens,
 Improved user autonomy



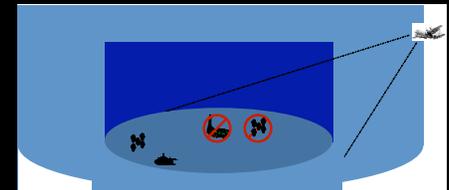
M-Code Power
 Operate closer to
 jammer, under trees



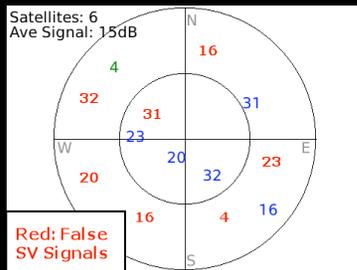
Jamming Resistance
 Initial fix enhanced
 Anti-Jam extended



Blue Force
Electronic Attack
 Operate near
 friendly jamming



Anti-Spoof
 Detect and reject false
 signals

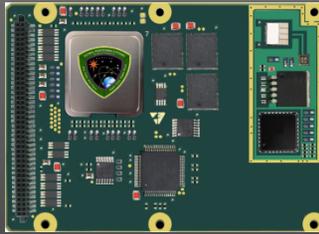
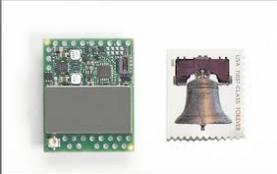
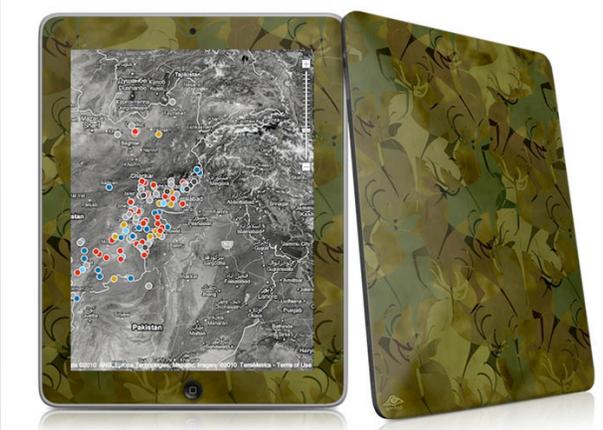
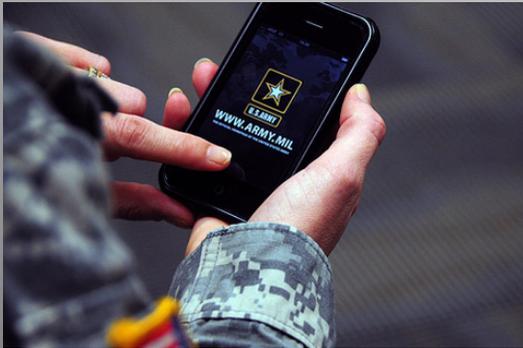


M-Code
Cryptography
 More secure,
 more flexible



External Augmentations
 Extend GPS accuracy/
 availability in challenged
 environments











QUESTIONS?



- 
- **4 October 2012: Successfully launched IIF-3**
 - **Delivered IIF-4,5,6 and 7**
 - **Completed GNST MDU Thermal Vac Testing**
 - **Put GPS III SV03-04 procurement on contract**
 - **Completed GPS III Dual Launch Study**
 - **Completed GPS III Contingency Ops Study**
 - **Completed GPS III Launch and Checkout Exercise #1**
 - **Passed OCX passed its Milestone B**
 - **Completed OCX incr 1.4 iCDR**
 - **Awarded three MGUE contracts**
 - **Obtained security certification for the MUE cards**
 - **Completed congressional report on “Cost Effective GPS”**
 - **BAA contracts in process for NavSat Studies**
 - **Completed live testing for M-code as part of Gypsy India**
 - **Released SE&I RFP**

