

Transformation of Space Capabilities

NDIA PANEL

20 July 2004



Presented By:

Mr. Michael C. Schexnayder
Deputy to the Commander for
Research,

Development, and Acquisition (RDA)

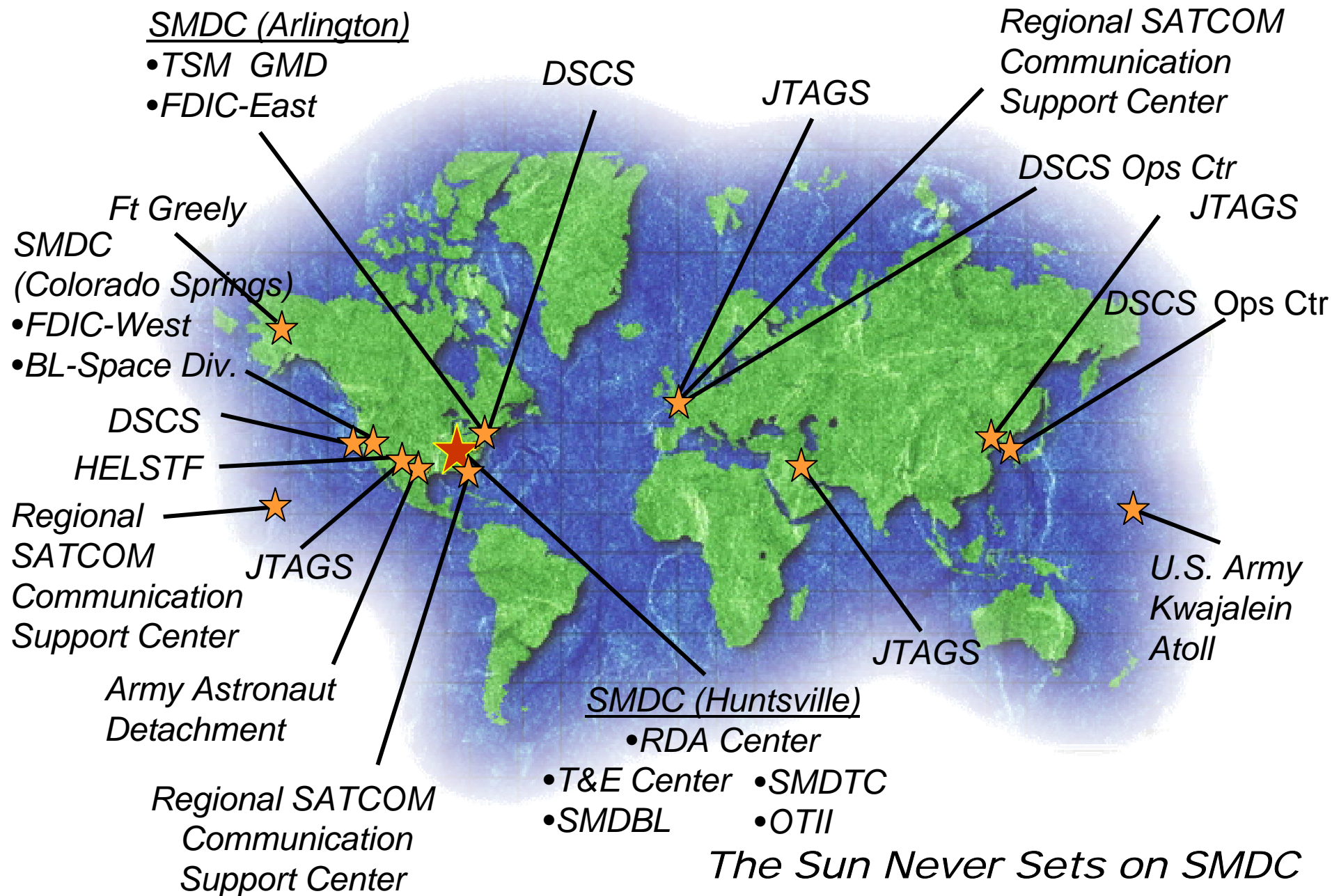
U.S. Army

**Space and Missile
Defense Command**

Clearance for Public Release
Distribution A

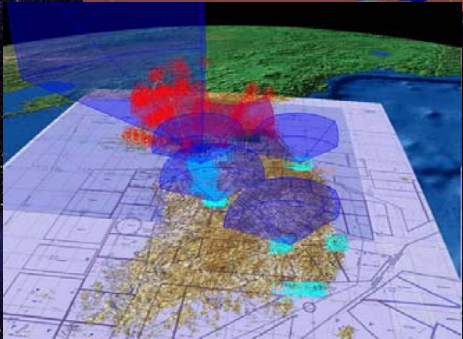
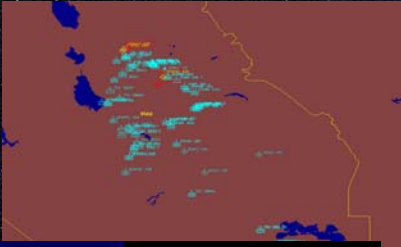
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SMDC Locations





Blue-Force Tracking



Position, Navigation, Timing



Battle Command and Control



Force Protection Enhancements



Counter-Mine Operations



Spectral Imagery



Missile Early Warning



Information Operations



Satellite Communications



Force Provider

DSCS Satellite Control



Joint Tactical Ground Stations



FA40 Space Operations Officers



Army Space Support Teams

Ground-based Midcourse Defense



Space Support Element (SSE)

3ID TAC CP #1

3ID TAC CP #2

3ID Main CP

PERSONNEL

SSE OIC
LTC, FA40/SOO



SSE Officer
MAJ, FA40/SOO



SSE NCO
SGT, MOS 31S20



SSE Officer
MAJ, FA40/SOO



SSE NCOIC
SSG, MOS 31S30



SSE Officer
MAJ, FA40/SOO



EQUIPMENT

SSETv2



SATURN suite



= 3X SOS Workstations



SSETv2



= SATURN suite



3X SOS Workstations



1X SOS Workstation

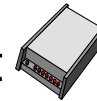


Space Support Element Toolset (SSET)

INMARSAT Bandwidth Management



Space Applications
Technology Utility Research
Network (SATURN)



Space Support Element
Toolset (SSET)

Spectral Workstation (RWS)



Space Operations
System (SOS),
Wireless Web-based
Warfighter (W3),
Advanced Warfighting
Environment (AWarE)

Broadcast Request Imagery
Technology Experiment (BRITE)



Embedded National
Tactical Receiver (ENTR)



SSET Light



Single Integrated Space Picture

Situspace -- fred

Display Threatcon Peripherals Accessories User Help

THREATCON ALPHA

BLUE [Icons]

09/1117:54Z May05

View Bearing 000 Attack Angle 032 Altitude 7517.57(nm) Location 31° 25' 58" S 109° 16' 50" E

Map Cloud DayNight Grid History Orbits Swaths Tracks Labels Location

View3D

LED HED OED

Sensor Transparency

Rotate Earth

Swap

RORSAT-7 Data:

Sub... Properties

Taiwan RORSAT-9 RORSAT-7 RORSAT-1 RORSAT-2 PRCSAT-3 RORSAT-6

GEODDS Choe Jong San

Taiwan

Lat/Lon= 37° 45' 14" N / 102° 31' 44" E

Information

1408	RORSAT-1
Latitude 62° 14' 48" S	Longitude 132° 02' 53" E
Altitude 521.01 NM	Owner RUSSIA
Operator A-RUS	Int. Identifier 04069A
Type Of Orbit Polar	

Desc

Alert Messages

Time	Track	Message

Accept Estimate

Mc Hook Zoom

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