

# NPP/NPOESS Update

Presented to the MODIS Science  
Team

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# Program Status

- Total cost over-runs exceed 15% with indications it will grow
  - Growth to 25% would trigger “Nunn-McCurdy” Act certification provisions
    - Essential to National Security
    - No alternatives that are more cost effective
    - OSD independent cost estimate
    - Adequate management structure
- Program content remains intact
- Schedule will likely slip
  - Options still under discussion
- VIIRS capabilities remain unchanged

# Independent Program Assessment (IPA)

- 2nd major independent review in past year
- Led by Brig Gen (ret) Jack R Wormington
- Membership included:
  - Mr Ken Anderson (NASA, Former MODIS Instrument Manager)
  - Dr. Robert Lucke (NRL, hyperspectral sensors)
  - Dr Paul Menzel (NOAA, MODIS ST, former VOAT Chair)
- Site visit & extensive discussions with SBRS VIIRS team
- Strongly supported VIIRS
  - Recommended additional schedule, review of testing to assure sufficiency

# VIIRS EDSR

- In depth technical and programmatic review of VIIRS program
- Led by IPO & NGST System Engineering with extensive participation by NASA NPP senior management
- Confirmed & elaborated on technical & process concerns at SBRS
- Proposed solutions

# Program Structure

- Program remains under “SSPR” concept (IPO & NGST share responsibility)
- Program reporting to sponsoring agencies streamlined
  - Direct to the “EXCOM” consisting of the NASA & NOAA administrator & AF Under Secretary
- NPOESS IPO to increase capabilities for technical & financial oversight

# Program Management

- Program Executive Officer organization being formed to provide independent oversight
  - One level above NPOESS SPD
  - Brig Gen (S) Sue Mashiko will be PEO
- Col(S) Dan Stockton will be NPOESS SPD
- Management changes at NGST
- Internal organization of IPO being strengthened

# Orbit & Program Schedule

- NPP will be moved to the afternoon orbit (1:30 PM ascending node)
- NPP launch will slip dependent on VIIRS schedule
  - Allows more time to incorporate lessons learned from VIIRS EDU into VIIRS FU-1

# Summary

- Schedule & cost problems have led to a reorganization of the NPOESS IPO & changes to the program schedule & management structure
- Program content has not been changed
  - Close user coordination at all times
- Positive attention has been focused on assuring that VIIRS meets its requirements