



Missile Defense Systems Office

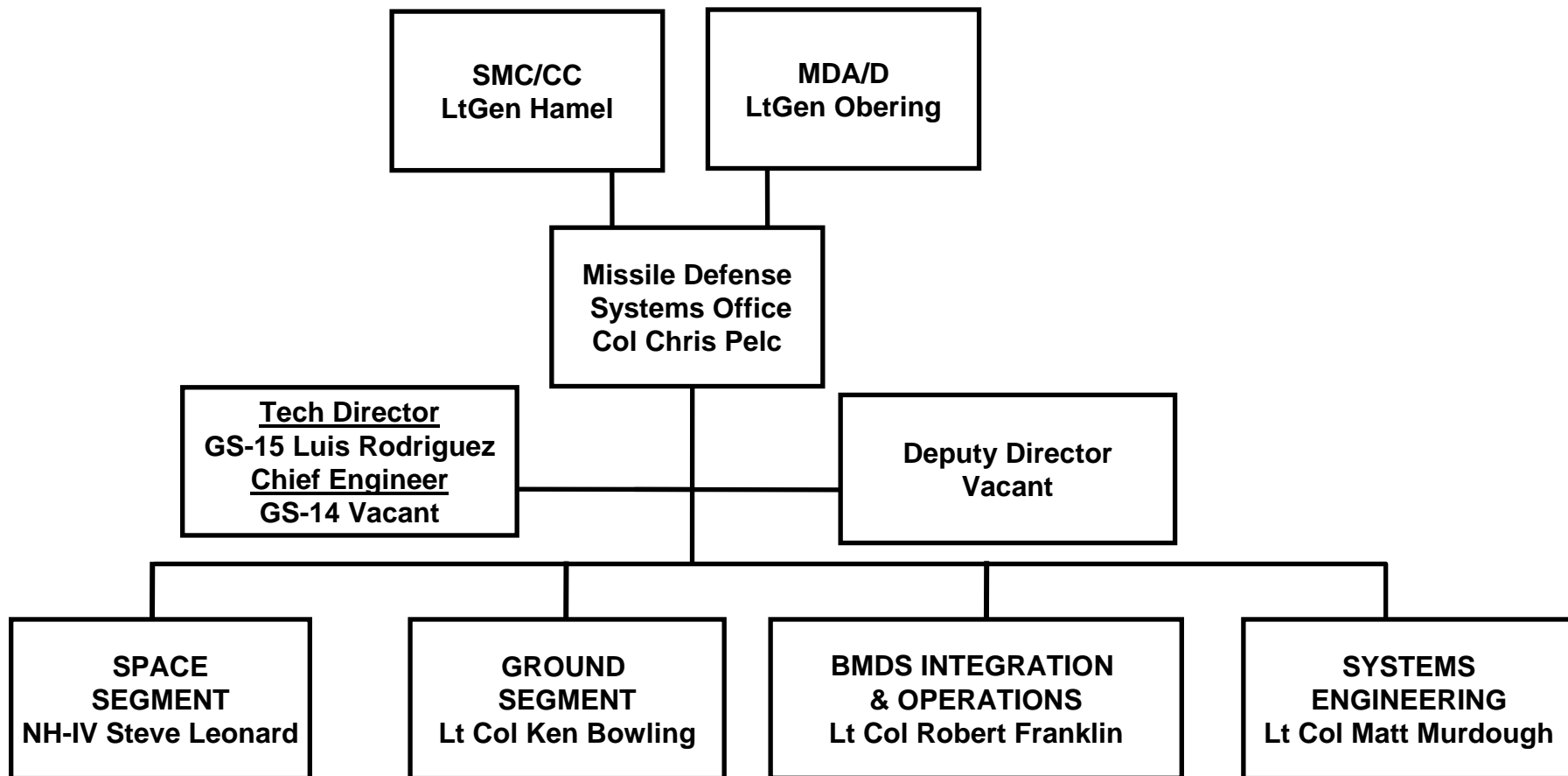
Mission: Leads a multi-agency, DoD, and industry team in developing, testing, and deploying space systems for the Missile Defense Agency



Col Christopher Pelc



Personnel and Staffing





Future Business Opportunities

Upcoming projects and development programs within next 5 years:

Major Programs:

- **Space Tracking and Surveillance System (STSS)**
 - **Block 2006**
 - **Block 2008**
 - **Block 2010**
 - **STSS Follow On (SFO)**
- **BMD Space Experiments**
 - **NFIRE**
 - **Space Testbed**
 - **Microsats**
- **MDA Space Technology Development (including SBIRs)**



STSS

Program

Description

STSS Block 2006



- 2 R&D satellites 4 year design lifetime
- Demonstrates fundamental aspects of mid-course target acquisition and track

STSS Block 2008



- Flight/ground software and ground hardware updates for STSS Block 2006 satellites

STSS Block 2010

- Classified STSS advanced technology program

STSS Follow On



- STSS Operational Constellation: 2 + 3 (option) satellites initially on contract, TBD final constellation size

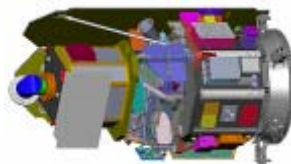


Other Programs

Program

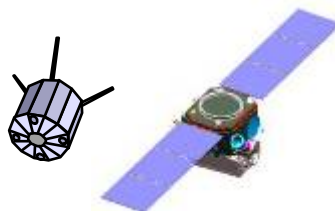
Description

NFIRE



- **NFIRE: Near Field Infra-Red Experiment**
Collects plume phenomenology and laser cross link data

Microsatellites



- **Support to MDA/DV microsat efforts**
 - Distributed sensing experiment
 - Propulsion experiments
 - BMDS target experiments

Missile Defense Space Experimentation Center (MDSEC)

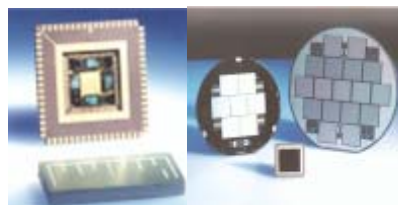


- **Ground operations for STSS Block 2006, NFIRE, and initial AFO capability**
Single integration point for fusion of ONIR and MDA space data

Space Testbed

- **Feasibility and demonstration experiments**

Space Technology Development



- **Joint efforts with MDA, AFRL, SMC to develop MWIR/LWIR focal plane arrays, advanced cryocoolers, rad hard electronics, etc.**



Budget

FY08 PB Submission

	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Total
\$M	273	316	336	401	505	854	1071	3965

Includes STSS, NFIRE, MDSEC, and Space Testbed



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