

OVERVIEW

- [REDACTED] PROTECTS THE NRO'S INVOLVEMENT IN THE DoD "TAOS" PROGRAM
- FACT OF "TAOS" PERFORMING INTELLIGENCE COLLECTION

25X1

~~TOP SECRET~~

Handle Via BYEMAN Control System Only

SECURITY

TOP SECRET

Handle Via BYEMAN Control System Only

TAOS OVERVIEW

- TAOS (TECHNOLOGY FOR AUTONOMOUS OPERATIONAL SURVIVABILITY)
 - DoD TECHNOLOGY TESTBED
- HOSTED AS A SECONDARY PAYLOAD ON THE FIRST "STEP" BUS FLIGHT
- LAUNCHED INTO LEO ORBIT ON THE FIRST "TAURUS" ELV FLIGHT
- OPERATED AS AN 18-MONTH EXPERIMENT CONDUCTED BY PHILLIPS LAB FOR DoD
- USES [REDACTED] FACILITIES
- USES AFSCN FOR COMMAND UPLINK & MISSION DATA DOWNLINK

25X1

~~TOP SECRET~~

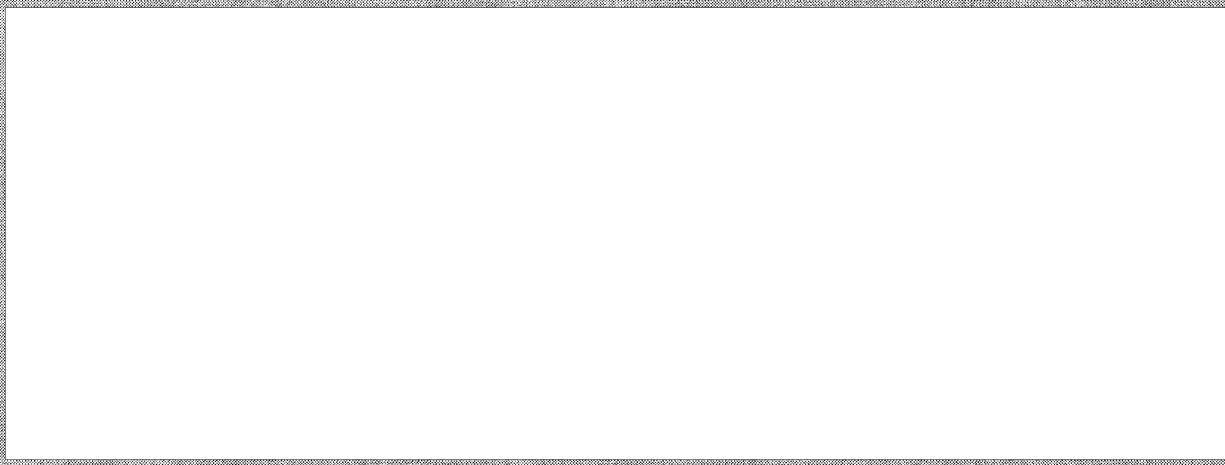
Handle Via BYEMAN Control System Only

TAOS OVERVIEW

- TAOS CONTAINS SEVERAL SUBSYSTEMS WHICH FACILITATE ON-BOARD SURVIVABILITY
 - MICROCOSM AUTONOMOUS NAVIGATION SYSTEM (MANS)
 - PERMITS NORMAL SATELLITE OPERATIONS DURING [REDACTED] RTS OUTAGES (NO SAFEHOLD SHUTDOWN)

25X1


25X1



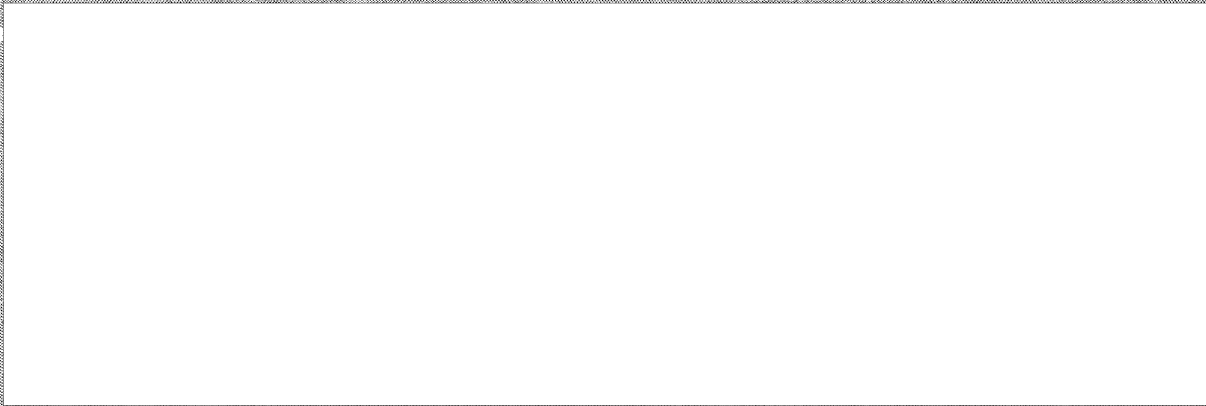
~~TOP SECRET~~

Handle Via BYEMAN Control System Only

MISSION OVERVIEW

- OPERATE  DETECTORS AGAINST CIS/ROW INTELLIGENCE TARGETS
 - PERFORM TECHNICAL SIGNAL ANALYSIS
 - ASSESS DOCTRINE OF OPERATION

25X1



~~TOP SECRET~~

Handle Via BYEMAN Control System Only

DATA FLOW

~~TOP SECRET~~

Handle Via BYEMAN Control System Only

TASKING & PLANNING FLOW

~~TOP SECRET~~

Handle Via BYEMAN Control System Only

 **MISSION UTILITY**

25X1

- USE OF EXISTING CAPABILITY FOR INTELLIGENCE COLLECTION
- UNIQUE OPPORTUNITY FOR COOPERATIVE / CONJUNCTIVE COLLECTION WITH TAOS ACTIVITIES

~~TOP SECRET~~

Handle Via BYEMAN Control System Only

USER COMMUNITY

- NATIONAL SECURITY AGENCY
 - GOAL: Technical Intel, Search for New Modes, Verification of Existing Modes, Determine ROW Interest in Space Survivability Experiments.
- CIA OFFICE OF SCIENTIFIC WEAPONS RESEARCH (OSWR)
 - GOAL: Update & Validate Threat Documentation and Operational Procedures
- USAF FOREIGN TECHNOLOGY DIVISION (FTD/FASTC)
 - GOAL: Assess Space Track Threat and Capabilities
- DEFENSE INTELLIGENCE AGENCY (DIA)
 - GOAL: Update & Validate Threat Documentation and Operational Procedures

~~TOP SECRET~~

Handle Via BYEMAN Control System Only

IMPLEMENTATION PLAN

- ESTABLISH INTERFACES FOR TASKING & DATA FLOW
 - OPERATIONS WORKING GROUP ESTABLISHED
 - TASKING REQUIREMENTS, REQUESTS, AND FEEDBACK
 - TAOS - [REDACTED] COMMAND & CONTROL AND MISSION PLANNING
 - EXPLOITATION WORKING GROUP ESTABLISHED
 - DATA PROCESSING, ANALYSIS, AND FACILITIES
 - IDENTIFICATION OF USER NEEDS & REQUIREMENTS
 - SECURITY WORKING GROUP ESTABLISHED
 - SANITIZATION REQUIREMENTS OF TAOS - DERIVED DATA AND INTEL-DRIVEN TASKING OF TAOS SYSTEM

25X1

~~TOP SECRET~~

Handle Via BYEMAN Control System Only

TAOS EXPERIMENT GOAL (SAR)

- MANS NAVIGATION EXPERIMENTS
- TECHNOLOGY EXPERIMENT FOR AUTOMATED NAVIGATION



25X1

~~TOP SECRET~~

Handle Via BVE/MAN Control System Only