

Airborne Signals Intelligence Payload (ASIP)

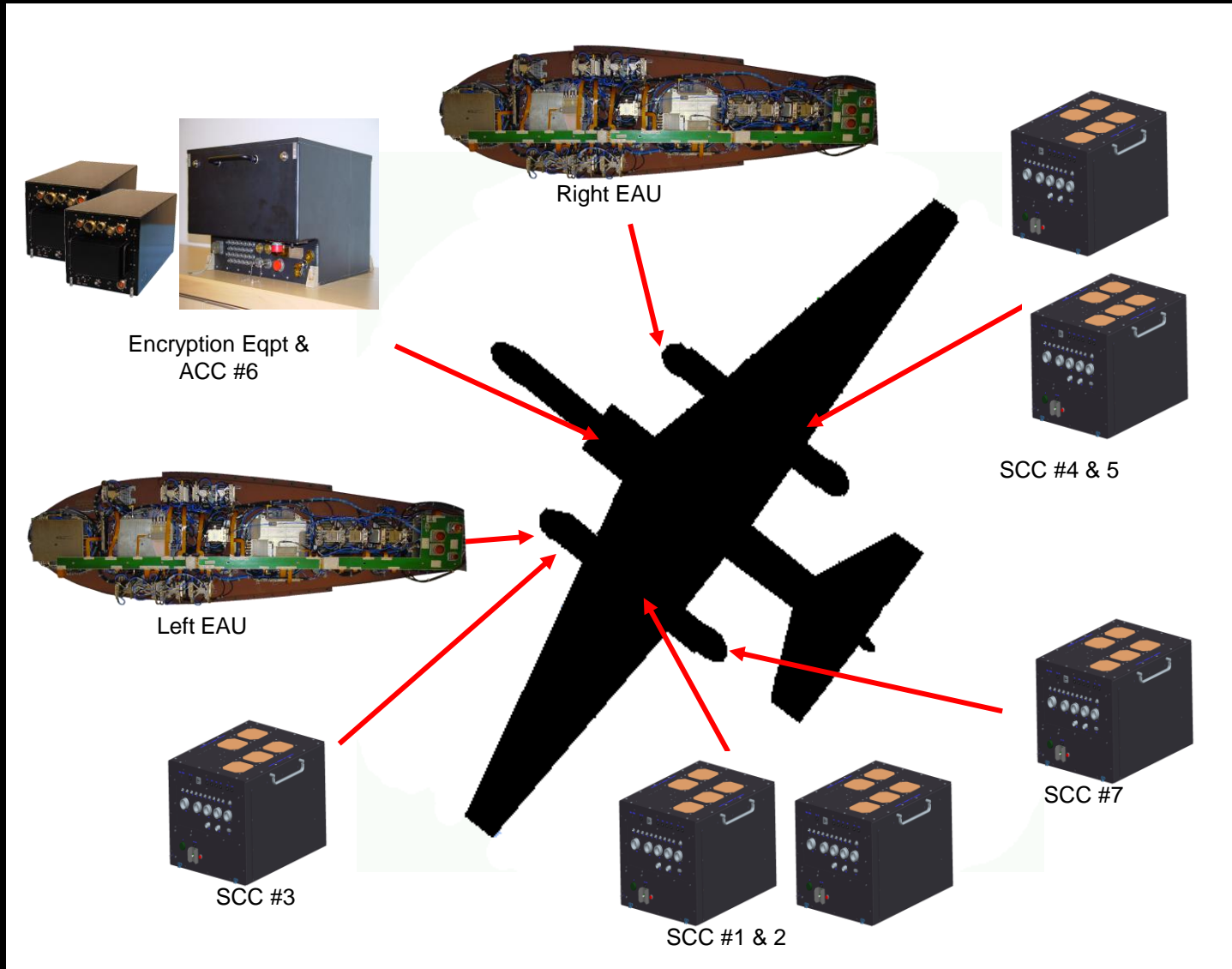
Overview

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Mission Statement

Airborne Signals Intelligence payload (ASIP) is a data collection sensor designed for the Global Hawk and U-2S aircraft that provides a capability to search and collect specific signals of interest

U-2 ASIP Equipment Layout



Current State of Program

- ❑ Program initiated in response to Hq ACC requirements
 - ❑ Approved for U-2 – Sep 99
 - ❑ Approved for DCGS – Nov 00
 - ❑ Approved for Global Hawk – Oct 03
- ❑ Sensor Development
 - ❑ Design was Approved in Jan 2005
 - ❑ First sensor in Integration and Test
- ❑ Aircraft Modification Development
 - ❑ U-2S Critical Design Review in Sep 2005
 - ❑ Global Hawk in design
- ❑ Spares, Support Equipment, Manuals
 - ❑ Programmed for FY05 thru FY08

Program Requirements Roadmap

- ❑ Sensor
 - ❑ Factory Acceptance Test of first sensor in July 2006
 - ❑ Development Flight Test on U-2 scheduled for August 2006 – July 2007
 - ❑ Operation Test on U-2 scheduled start August 2007
- ❑ Aircraft
 - ❑ U-2 first aircraft available Jul 2006
 - ❑ Global Hawk first aircraft available 4th Qtr FY07
- ❑ Spares, Support Equipment, Manuals
 - ❑ Delivery starting July 2007

Program Challenges

- ❑ Hardware – State of the art hardware required to obtain the required capability
- ❑ COTS – 60% COTS at the card level, life cycle unpredictable
- ❑ SQWAP – Size, Heat, Weight and Power
 - ❑ Always a design challenge for high altitude aircraft
 - ❑ Q-bay weight currently over allocation
- ❑ Logistics funding – Spares & support equipment drastically underfunded

Area/Issues of Assistance

- ❑ Contact following prime contractors for interest
 - ❑ Sensor – Northrop Grumman, San Jose, CA
 - ❑ Global Hawk – Northrop Grumman, San Diego, CA
 - ❑ U-2S – Lockheed Martin, Palmdale, CA

Project Funding Profile

- ❑ Sensor Development estimated value at \$200M+
- ❑ Airframe Development & Modification estimated valued at \$50M+
- ❑ Follow-On Production estimated value at \$400M+
- ❑ Sustainment begins in FY08 – estimated value \$14M per year

Government Focal Points

- Sensor Program Manager
Maj William McGuffey SDLGSSS/TX
2640 West Loop Road
Wright Patterson AFB, OH

- Sustainment Program Manager
Lt Ronald Dion
330 IRSG/LXAE
235 Byron Street, Suite 19A
Robins AFB, GA

Summary

- ❑ Sensor is being built and tested with the total quantity to be determined
- ❑ Airframe modifications are awaiting design approval
- ❑ Sustainment is scheduled to start 1st Quarter FY08