

# ▼ Surveillance Information Processing Center (SIPC)

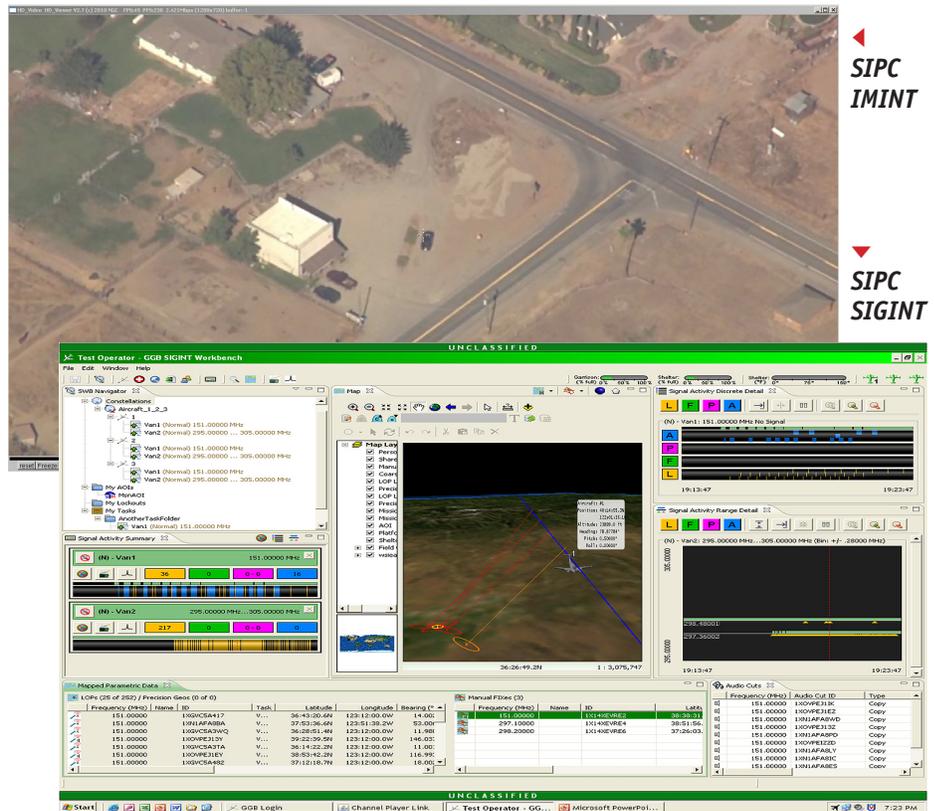
*Common, Centralized PED for Multi-INT Sensors on the DCGS-A Enterprise*

SIPC integrates existing, proven fielded systems and capabilities into a single readily deployable S-280 shelter, forming the basis of a common multi-INT Processing, Exploitation, and Dissemination (PED) solution that supports the wide diversity of current and future U.S. Army Airborne ISR platforms. SIPC is based on COTS hardware and leverages the Guardrail Ground Baseline (GGB) Program of Record for the shelter, infrastructure, and SIGINT PED. SIPC additionally incorporates the Army's Tactical Exploitation System (TES) for imagery along with DCGS v3.1.6 for multi-INT toolsets, databases, and interfaces. The SIPC is a joint program that was initiated in early 2010 by PM DCGS-A and INSCOM. SIPC is now operating in OEF.

INSCOM and PM-DCGS-A have led the design and development of SIPC since its inception with integration performed at Northrop Grumman's Airborne ISR facilities in Sacramento, California. The SIPC represents a continuation of work that Northrop Grumman has been performing for INSCOM, PM ARES and DCGS-A including GGB 2.0 and GGB 3.0; the baseline SIGINT PED fielded with Guardrail's RC-12X systems.

## SIPC Solves the Challenges Of PED Proliferation

Commensurate with mission needs, PED solutions for U.S. Army



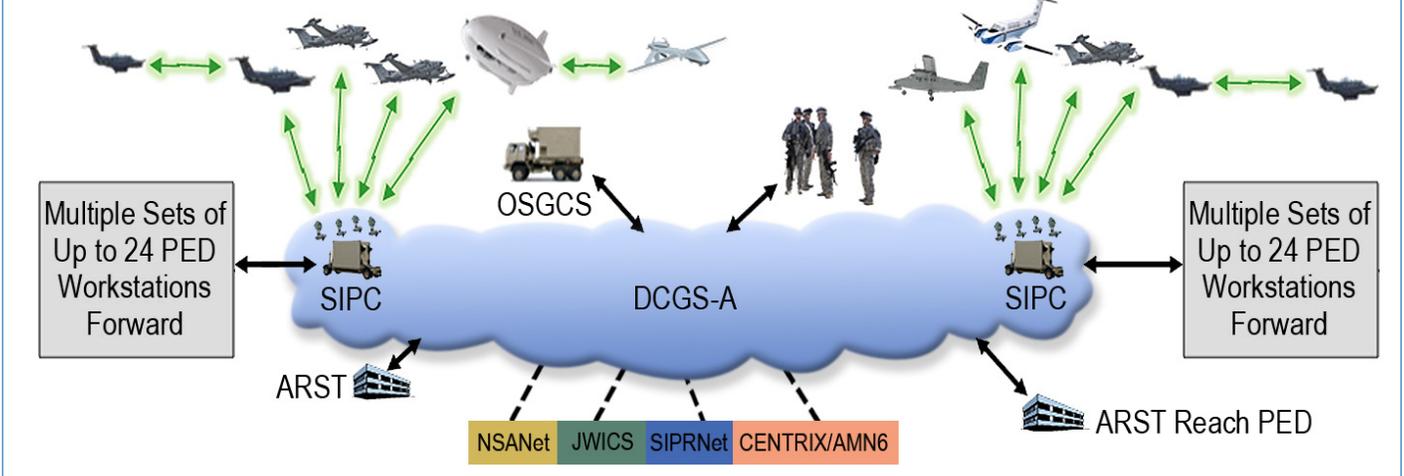
*SIPC has implemented modern, state-of-the-art user interfaces for multi-INT PED.*

Airborne ISR assets have proliferated across all theaters. This has led to interoperability, sustainment, and cost challenges and inefficiencies as overall AISR capabilities have increased significantly. SIPC began to address these problems by combining TES Forward IMINT capabilities with Guardrail SIGINT capabilities and DCGS-A v3.1.6 applications to produce the first true multi-INT node on the DCGS-A enterprise. Expanding on that multi-INT base, SIPC will provide

operational flexibility and agility to effectively address:

- Capabilities based rotations
- Stabilized ground processing
- Stabilized mission support
- Army aerial and national SIGINT
- National and theater IMINT
- Full UAS interoperability
- Actionable intelligence to the warfighter
- Improved force structure efficiency

## SIPC Delivers Multi-Source Intelligence to the Warfighter, at the Speed of Operations



SIPC eliminates the notion that "new sensors require a new PED solution."

### SIPC Brings Critical ISR Capabilities to DCGS-A

Recent missions and conflicts underscore the continuing need for versatility in Army ISR systems. SIPC is a key enabler for improved agility, mobility and responsiveness, allowing the Army to respond quicker and to better manage unforeseen operational conditions. The SIPC architecture complies with INSCOM/

DCGS-A published standards for communications, links, infrastructure, imagery, SIGINT messages, time, and more. SIPC is based on a standardized flexible network that supports operators anywhere across the multi-network enterprise and provides extensible connectivity for multi-int sensors. The architecture is compatible with and integrated into DCGS-A and enables straightforward addition

of capabilities to DCGS-A. SIPC is a central element of the Army's DCGS objective to establish a fully integrated, highly adaptable net-centric enterprise.

### One Ground Multi-INT PED To Support Multiple Platforms And Multiple DoD Initiatives

- Guardrail
- EMARSS
- JAUDIT
- VADER
- TACOPS
- YellowJacket
- LEMV
- ODIN-A MARSS
- U-2/Global Hawk

For more information, please contact:

**Northrop Grumman  
Information Systems**  
5441 Luce Avenue  
McClellan, CA 95652  
408-531-2903  
916-570-4054



Single S-280 shelter includes GGB, TES, with DCGS-A.

[www.northropgrumman.com](http://www.northropgrumman.com)

©2011 Northrop Grumman Systems Corporation.  
All rights reserved.  
PSA9850911AISR

THE VALUE OF PERFORMANCE.

**NORTHROP GRUMMAN**