An Open Architecture/Open Business Model Solution for High Performance Multi-Level Collaborative Environment

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SNAP Overview

- Secure Network Architecture and Processing (SNAP) improves mission effectiveness by providing a cost effective, open architecture, high-assurance, multi-level, labeled, network solution ideal for high performance environments.

- General Dynamics’ SNAP
  - Open Architecture Solution
  - Fully programmable
  - High assurance secure solution
  - Reduced Size, Weight and Power (SWaP)
  - Reduced upgrade and certification costs
  - High performance and low latency
  - Allows migration to IP-based solutions
  - Dynamic and flexible security polices
  - Evolutionary approach minimizes up front investment
Security Segregation Enables a Cost Effective IA Infrastructure

SNAP IA Architecture Changes the Security Paradigm
The Security Policy Can Now Enable a Mission vs. Limit a Mission
Security Segregation Enables a Cost Effective IA Infrastructure

- COTS/NDI base cards provide basic functionality
- High Assurance functions provided by separate composable, loosely coupled HW & SW elements. Coupling to COTS occurs over open interfaces
- Allows evolutionary, scalable approach and minimizes recertification costs
- Can add / upgrade processing elements with mitigated impact to deployed systems