

# V15 AIR DEFENSE SYSTEMS INTEGRATOR (ADSI)<sup>®</sup>

## ROBUST C2 AND CERTIFIED TACTICAL DATA LINK FORWARDING

Typhoon photo: Sgt Ralph Merry ABIPP RAF/MOD / Open Government Licence v1.0

Initializing... CONNECTED 24 163.209.86 [TARGETING] POS 5

MOST IMPORTANTLY, THE COMPLETELY REVAMPED USER INTERFACE GREATLY IMPROVES THE ENTIRE ADSI USER EXPERIENCE, FROM SYSTEM CONFIGURATION TO SYSTEM OPERATION.

### NEW FEATURES:

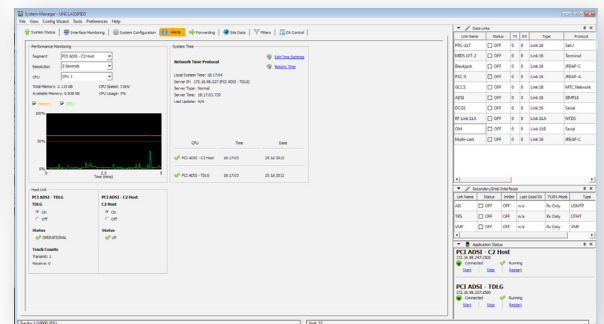
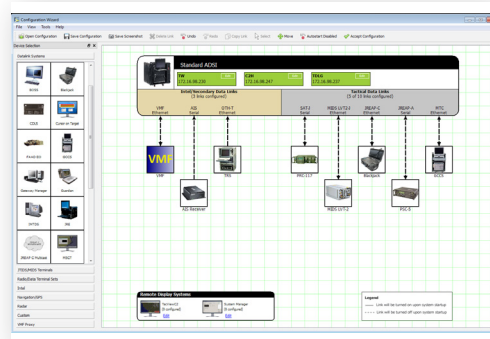
- Dynamic link reconfiguration
- 32 simultaneous – tested and reliable – data links
- Increased track capacity up to 16,000 tracks
- Quick access to a Link 16 RF network in just four mouse clicks
- TacViewC2™ – 3D situational awareness and C2 display
- Certified digital air control
- Certified Variable Message Format (VMF) interface
- Robust IA functionality

### OVERVIEW

With more than 1,000 systems installed worldwide, the combat-proven ADSI<sup>®</sup> system remains unmatched in its ability to provide certified, reliable, tactical data link forwarding along with a robust C2 capability, now including digital air control. The version 15 ADSI system significantly increases

the warfighter's interoperability with 32 simultaneous and dynamically reconfigurable data links—tested and reliable—with an increased track capacity of 16,000 tracks. Most importantly, the completely revamped user interface greatly improves the entire ADSI user experience, from system configuration to system operation. Now, the system

can be reconfigured without downtime. New configuration wizards safeguard the system from inadvertent operator error. Persistent system and interface status are shown graphically. With its strict adherence to all relevant military standards, including the latest MIL-STD-6016D, the version 15 ADSI system ensures reliable interoperability.



Advanced Tactical Systems

**Ultra**  
ELECTRONICS

## A WINDOWS-BASED SYSTEM MANAGER – A MULTI-FEATURED, USER-FRIENDLY CONFIGURATION AND MONITORING APPLICATION

### SYSTEM SPECIFICATIONS

#### Interfaces supported:

- Link 16
  - MIDS LVT 1, 2, 3, 4, 6, 7, 11 (LAN/X.25/MIL-STD-1553)
  - JTIDS Class 2 Shipboard, 2M, 2H (MIL-STD-1553/X.25)
  - Small Tactical Terminal (ViaSat)
  - TacNet (Rockwell Collins)
  - JREAP A SATCOM (NC/ANC/NP/NL/NCB)
  - JREAP B Serial (Sync/Async)
  - JREAP C IP (TCP (UTJ)/UDP/Multicast(MTJ))
  - Sat TADIL J (STGC/Alt STGC/STGU)
  - STANAG-5602 SIMPLE (Serial/IP)
  - External Time Reference (ETR)
  - SATCOM (4 channels) (PRC-117F/PRC-117G/PSC-5D/LST-5D/WSC-3/ARC-210/USC-42)
  - Legacy serial and IP (MTC/MTDS)
- Link 11 (NTDS/ATDS/STANAG-5602 SIMPLE)
- Point-to-point (Link 11B/ATDL-1/NATO Link-1)
- MIL-STD-6017 VMF (K05.01 – J.2.0)

- Special data links
  - Cursor on Target (CoT)
  - FAAD Data Link (FDL)
  - Situation Awareness Data Link (SADL)
  - USMTF ATO/ACO
  - Automatic Identification System (AIS)
- Radars
  - ASTERIX Standard interface to radar track source
- Electronic intelligence interfaces (various)
- Navigation/GPS
  - GPS (NMEA-0183/PLGR/DAGR)
  - Shipboard
  - Aircraft (Embedded GPS/Inertial Navigation System (EGI))

#### Key features:

- Dynamic Link Reconfiguration – Add/delete/edit interfaces while the system is running without interfering or disrupting other interfaces
- Drag-and-drop Configuration Wizard – An intuitive user interface for making rapid and reliable changes
- Windows-based System Manager – A multi-featured, user-friendly configuration and monitoring application
- Wizard-based filters – Easily access, define and enable data link filters

- Wizard-based Link 16 Terminal Control Application – Access a Link 16 RF network in just four mouse clicks
- Full Digital Air Control – Perform handovers, mission assignments, vectors, controlling unit change, correlation and target sorting
- Autostart – Configure the start function to boot automatically or with just two mouse clicks
- MIL-STD-6016D and MIL-STD-6011D compliant – Provides the latest functionality and standards compliance
- Robust Information Assurance (IA) functionality – Create/configure secure network connections while maintaining persistent data availability
- Updated operating system support for Microsoft® Windows® 7 and Red Hat® Linux 5



**making a difference**

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