

TALIX

COMINT &
ELINT TASKING

COLLECTION

PROCESSING

EXPLOITATION

DISSEMINATION

TRANSFORMING SIGHT DATA INTO OPERATIONAL CLARITY

Talix is a SIGINT Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) system that supports COMINT and ELINT mission planning, collection, mission data analysis, and reporting. Talix utilizes advanced exploitation technology and combines it with an intuitive data visualization to provide an interactive environment for large-scale collection, analysis, and timely intelligence reporting.

Recent missions and conflicts underscore the continuing need for versatility in ISR TCPED systems. Talix is a key enabler for improved agility, mobility, and responsiveness, allowing intel missions to respond quicker and better manage unforeseen operational conditions. Talix supports crewed and uncrewed platforms in tethered and untethered modes using a flexible deployment architecture that enables tactical and strategic intelligence gathering.

MODERN SYSTEM ARCHITECTURE MEETS ISR TCPED

In the era of open system architecture, virtual computing, big data, machine learning, and advanced data visualizations comes an ISR TCPED system that meets modern intelligence systems' demands. The Talix system not only provides advanced SIGINT collection and analysis tools, such as real-time Electronic Order of Battle (EOB) analysis, it allows third party developers to add data analytics, user tools, databases, and multi-INT services to support evolving ISR mission needs.

KEY FEATURES & BENEFITS

Common look and feel with easy-to-use COMINT and ELINT tasking, collection, analysis and reporting tools

Proven sensor agnostic design simplifying the integration of SIGINT sensors

Mission Planning and Mission Playback tools to identify, locate and verify targets of interest

Real-time EO/IR cross cueing support

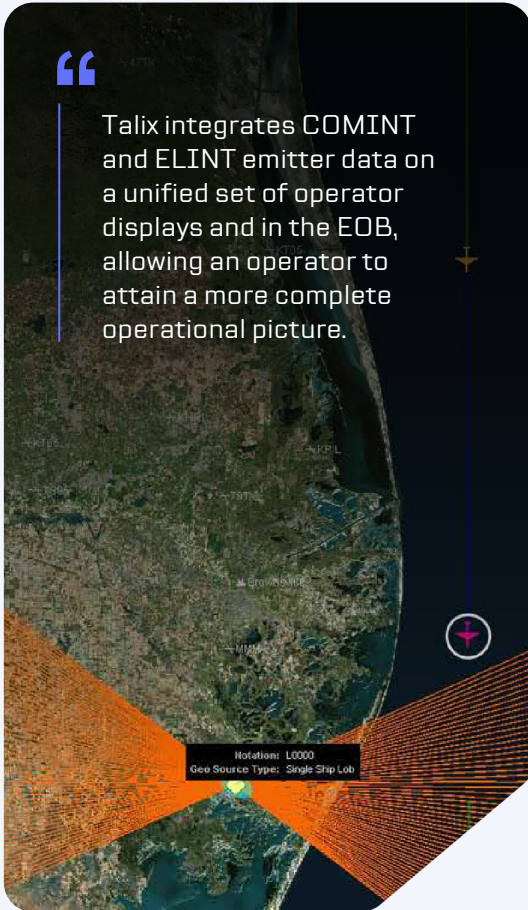
Tailorable emitter and post mission reporting with flexible data export options

Flexible software deployment architecture ranging from single user to multi-user/multisite enterprise integration

Electronic Order of Battle visualization with automated emitter correlation processing



Talix integrates COMINT and ELINT emitter data on a unified set of operator displays and in the EOB, allowing an operator to attain a more complete operational picture.



SIGINT PROCESSING EXPLOITATION AND DISSEMINATION CAPABILITIES

Talix is a real-time intelligence gathering and dissemination system operating over a wide frequency range and on a broad range of electronic and communications signal types. It is a SIGINT asset deployed for tactical and strategic signal collection with scaling support ranging from a few users to an ISR enterprise. Its primary capabilities support sensor tasking to collect COMINT and ELINT data and report detailed signals intelligence by providing the following capabilities:

Situational Awareness

Provide real-time views of SIGINT emitters and the relationship to ISR aircraft

Emitter Identification

Locate and verify RADAR positions through parametric and geolocation matching

Patterns of Life

Identify emitter operational schedules based on mode changes

Strategic Mapping

Identify movement of assets via real-time comparisons to an Electronic Order of Battle

Warning Aids

Assist in warning the collection aircraft of hostile emitters

Multi-ship

Correlate data produced from multiple airborne platforms

Dissemination

Report emitter collection results and EOB changes

FULL INTELLIGENCE LIFECYCLE SUPPORT

Talix provides graphical user interface visualizations that transform large quantities of COMINT data into meaningful visual images, allowing operators to gain insight into the areas of interest and interpret the data. Talix contains the following automated services and user tools supporting the airborne ISR processing lifecycle:

Mission Planning

Signal search definition and sensor collection planning tools

Mission Data Collection

Sensor command control, data acquisition, and geolocation tools

Technical ELINT

Pulse data analysis tools

Collaboration

Built-in chat and whiteboarding

Cross Cueing

Provide real-time emitter location data to other sensors/systems via CoT messaging

Intelligence Reporting

Dissemination of real-time and post mission COMINT and ELINT emitter reports

Real-Time Data Analysis

Develop intelligence surrounding the EOB and the relationships of emitter locations and transmission behavior

Post Mission Analysis

Mission playback and situational awareness tools