



TANDOM™

Tactical Analytic Decision Optimization Module



TANDOM is a deployed, real-time, tactical toolkit for enhancing actionable decision making. Providing low-SWaP, input-agnostic processing, TANDOM converts the myriad environmental and SA inputs from sensors, video, and environmental feeds and converts them to context-based information streams. Using industry standard I/O protocols, TANDOM can be incorporated into a range of mission spaces including fixed-base monitoring, expeditionary mission execution, and warfighter-level monitoring.

Key Features

- Allow resources to focus on “high confidence” events — **reduce FAR**
- Shorten time to take action — Intelligently combine data to trigger **earlier decision making**
- Improved system sensitivity — **allow detection of events**, that in the past, may have been missed
- **Enhanced “predicting”** of future behavior to support planning and CoA strategies



Areté | 9301 Corbin Ave. Northridge, CA 91324 | arete.com
POC: Scott McGill, (512) 565-8508 | smcgill@arete.com
Business POC: Jay Rouse, (571) 255-4035 | jrouse@arete.com
Copyright © 2020 Areté | All Rights Reserved

Tactical Analytic Decision Optimization Module



TECHNICAL SPECIFICATIONS

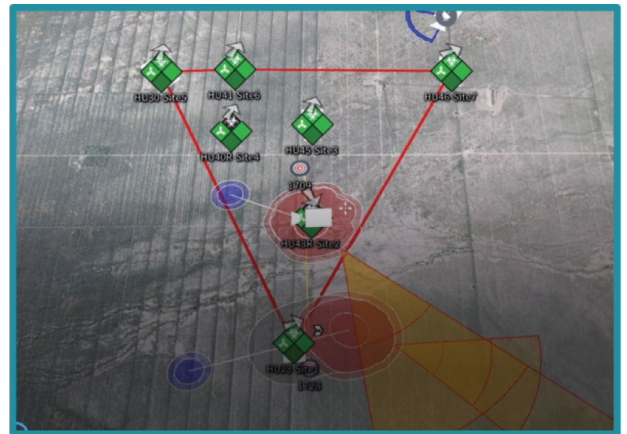
Real-time Tactical Decision Aid (TDA) Support

(Man-in-loop MIL)

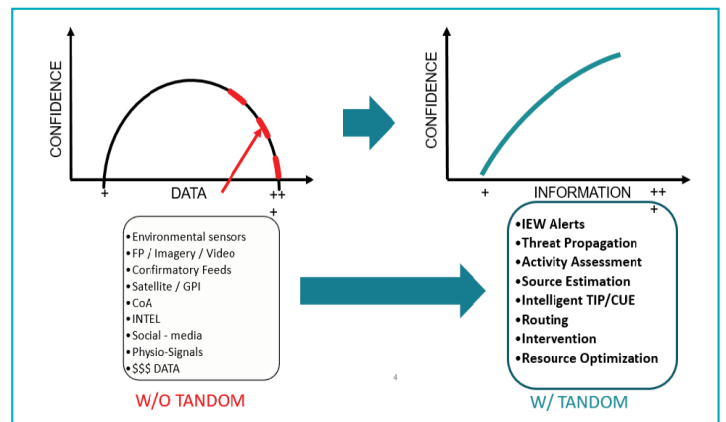
- Fused network-based detection enhancement
 - » Sub threshold detection
 - » Early detection
- Threat tracking
- Source estimation
- Predictive insight support
- Video detection focusing

Asset Assist/Tip/Cue (MIL/Auto)

- Context-based sensor response
- Intelligent unmanned asset support
- Video /lidar focusing



Real-time multi-threat early detection and estimation



Significantly increased real-time confidence

