



JOINT RANGE EXTENSION (JRE)

CRITICAL CAPABILITY FOR COAST GUARD ASSETS

Portable, tablet-based, unclassified tactical data link system proven to extend the reach of tactical data to those U.S. Coast Guard (USCG) platforms NOT equipped with SEAWATCH, enhancing maritime domain awareness and increasing personnel safety by providing:

- Actionable situational awareness (SA), digital command and control (DC2) and blue force tracking (BFT)
- Supports classified tactical data links (Link 11, Link 16, etc.)
- Not integrated into assets' systems to minimize integration costs
- Interfaces with USCG legacy/existing SA/C2 systems without modification
- Recordable playbacks...support law enforcement, training, debriefing
- Line-of-Sight (LOS) and Beyond-Line-of-Sight (BLOS)
- Only software developed to rapidly meet new and emerging mission requirements



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Combat Transnational Organized Crime Networks

- Strengthen wide area surveillance C4ISR and at-sea interdiction capabilities
- Display analyzed suspect vessel/aircraft movement patterns
- Enhance commanders' ability to quickly deploy the right assets to the right place at the right time
- Increase the potential for engaging targets in areas where they are most vulnerable
- Connect and support assets wherever they are...both within and beyond the LOS
- Provide specialized deployable forces with portable SA and C2

Safeguard Commerce

- Raise the potential to save lives by enhancing SAR mission effectiveness
- Increase SAR mission coordinator and responder SA while decreasing response and search time
- Improve incident response and recovery operations
- Increase the capability to task and dynamically redirect assets in degraded environments

Secure U.S. Borders

- Fortify layered defense C4ISR capability by linking all assets with near-real-time SA
- Improve threat awareness, interdiction/deterrence capabilities and threat prioritization
- Share the SEAWATCH picture with assets that have little to no map-based SA
- Interdict suspects far from U.S. shores
- Use existing classified and unclassified networks

Ensure Long-Term Success

- Support USCG assets' long-term presence in high risk areas with near-real-time SA
- Enhance unity of effort throughout USCG, DHS and DoD/other Federal Agencies
- Share critical information between all USCG assets, DoD forces and NATO Allied/partner nations

For more information, please contact:

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"It is recommended the USCG continue, widen, and expedite its pursuit of TDL technology to enhance USCG mission effectiveness and facilitate Interoperability."

USCG Research & Development Center, 2014

