



Joint Range Extension (JRE)

All Tactical Data Link Systems ARE NOT Created Equal

Joint Range Extension's combat-proven data link capability commands an unmatched record of performance, reliability, and agility. As the premier Tactical Data Link (TDL) Gateway (GW), JRE provides full Situational Awareness (SA) and Command and Control (C2) without sacrificing affordability or reliability. Delivering full tactical data across the battle space and around the globe and providing the real-time situational awareness needed for mission success is the focus of JRE.

- SAIC's JRE software delivers full tactical data link situational awareness and digital command and control to the warfighter
- Bridges incompatible networks, delivering the common operational picture needed to execute the mission
- Designed for flexibility and rapid response
- Capability for both existing and emerging platforms
- Avoids traditionally high integration cost

SAIC is proud to announce our recent award to bring Beyond Line of Sight (BLoS) Tactical Data Links to the Boeing E-7A Wedgetail.



The Warfighter's Choice

Proven in combat, JRE is the clear choice in the field.

- **Easy to Use.** JRE is intuitive and takes only a few hours to learn. This minimizes training time and costs.
- **Save Lives.** As combat forces on the line can attest, JRE provides the near-real-time data and battlespace visualization needed to save lives.
- **Reliable.** JRE has the lowest latency and loss rate of any gateway and enhances overall network throughput.
- **High Performance.** With its 20,000 track capability, JRE surpasses other gateways when it comes to handling large track counts. JRE provides duplicate track elimination and specialized filtering, which enhance accurate battlespace situational awareness.

The Global Standard

JRE has set the tactical data link standard around the globe.

- The backbone for the North American Aerospace Defense Command—helping provide the U.S. and Canada with an accurate homeland defense and situational awareness picture of air and maritime threats.
- The heartbeat of U.S. Air Force's Middle East in-theater tactical data link architecture.
- The tactical data link program of record for Australia's homeland defense network.

Technologically Agile

From a technology standpoint, JRE fits easily into the existing architecture while providing a clear path to the future.

- **Flexible.** JRE is written in JAVA, making it highly adaptable, now and in the future, as well as rapidly responsive to emerging warfighter requirements.

- **Easily integrated.** JRE is a software-only gateway with the ability to run on nearly any processor. This negates the need to buy additional hardware and reduces the impact on the airborne platform's size, weight, power, and cooling restrictions.
- **Adaptable.** Software and hardware agnostic, JRE is highly configurable and since it has preexisting flight certifications, it can be run on other airborne platforms without additional, or at least with minimal, further qualification retesting.

Right for Today

JRE delivers next-generation capabilities today, meeting the warfighter's most pressing needs.

- Delivers accurate, reliable, near real-time battlespace awareness.
- Successfully bridges disparate networks.
- Provides actionable data when and where it's needed.
- Offers affordability in an environment of drastically shrinking budgets.
- Is flexible and easy to use.

Ready for Tomorrow

JRE is also poised for the future.

- JRE is continually adding new features, capabilities, and radio connectivity—all available to our entire customer base as part of regular software updates/new releases.
- Provides a roadmap for the future, which includes ruggedized tablets and smart phones with touch-screen capability.
- Loads seamlessly “under the glass” for future platform redesign—protects your investment and reduces need to retrain system operators.

Contact

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This material contains general capabilities information and does not contain any controlled technical data as defined within the International Traffic in Arms Regulations (ITAR) or Export Administration Regulations (EAR) per ITC review SAIC-CR00062.

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