JOINT RANGE EXTENSION (JRE)

SECURING AMERICA'S BORDERS

Establish and Maintain Control of Air, Land and Maritime Borders

Proven capability commanding an unmatched record of performance, reliability, economy and agility.

Mission Integration and Interoperability

Engility's JRE software affordably and reliably expands interoperability and delivers the near-real-time situational awareness (SA) critical for integrating air, sea, land and Border Patrol operations.

- Feeds critical information (text and visual) between command centers, aircraft, vessels and agents in the field.
- Displays key mission information to the sector, station, cockpit, helm and vehicle...same picture to all levels of command and responders.
- Enables interoperability between U.S. Customs and Border Protection (CBP) units and Federal Agencies (DoD) as well as State and local agencies.

JRE
Shared information.
Unified communication.

ENGILITY
Engineered to Make a Difference

WHY CHOOSE JRE?

- Provides tactical SA and command and control (C2) technology used in the Global War on Terror…both at home and abroad; proven in harsh environments such as Iraq and Afghanistan.
- Not just a SA "viewer" that relies on radar for friendly force positions; JRE combines its Blue Force tracker capability with accurate locations of friendly forces and unknown and hostile contacts.

The Force Multiplier for Establishing and Maintaining Effective Control of Airspace, Marine and Physical Borders

- Increases officer safety and operational agility.
- Combats terrorism, illegal border crossings, smuggling and trafficking.
- Enhances strategic air, ground and marine surveillance.
- Pinpoints targets of interest moving through remote areas between ports of entry.

Border Security Is Greatly Enhanced as JRE Expands the Common Operating Picture (COP)

- Fuses air, ground and marine pictures.
- Ties the COP into NORAD's Homeland Defense air picture and the USCG's Automatic Information System.
- Transmits fused picture to airborne, afloat and ground platforms.
- Sector Command Centers can digitally task responders, beyond-line-of-sight and within line-of-sight, when voice comms are unreliable.
- Responding forces "drive the vector" to the target.

The Choice for Situational Awareness

Proven under difficult conditions, JRE is the clear choice of men and women around the world.

- **Reliable.** JRE has the lowest latency and loss rate of any system and enhances overall network throughput.
- **High Performance.** With its 20,000 track capability, JRE dwarfs other systems when it comes to handling large track counts.
- JRE also has a host of other unique features, such as duplicate track elimination and specialized filtering, that enhance accurate SA.
- **Easy to Use.** JRE is intuitive and takes only a few hours to learn. This minimizes training time and costs.
- Engility offers JRE's 24/7/365 Help Desk with access to the most qualified team of SA experts in the industry.

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 (JAVA Runtime Environment), making it highly adaptable, now and in the future, as well as rapidly responsive to emerging requirements.
- **Easily Integrated.** JRE is a software-only system with the ability to run on nearly any processor. This negates the need to buy additional hardware and reduces the costs impact.
- **Adaptable.** Software and hardware agnostic, JRE is highly configurable, and since it has preexisting certifications, it can be run on platforms without additional, or at least with minimal, further qualification retesting.

The Global Standard

JRE has set the SA 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 SA picture of air and maritime threats.
- The heartbeat of U.S. Air Force Middle East in-theater SA architecture.
- The SA program of record for Australia's homeland defense network.

Business Benefits

From a business and financial perspective, JRE offers the right combination of proven performance, affordability and availability.

- **Meets today's fiscal challenges.**
- **Proven.** First implemented in 2001, JRE has nearly 1,500 systems deployed on air, land and sea platforms across military services and internationally.
- **Cost Effective.** In an environment of drastically shrinking budgets, affordability is paramount. JRE offers the lowest total cost of ownership of any data link gateway. Offers affordability in an environment of drastically shrinking budgets.
- **Compliant.** JRE is fully compliant and joint certified and meets interoperability standards. It can be confidently implemented immediately, without further certification.

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