Ringtail’s Replay provides enhanced situational awareness through visual fusion—displaying data from numerous sources and simultaneously re-playing those reports & events in time on an intuitive multi-touch screen. REPLAY provides a “Battlespace DVR” that delivers multi-INT visual fusion of live operations and intelligence data feeds including sensors, video and reporting. REPLAY supports play, pause and rewind of a single, interactive picture of the battlespace.

**Geo-temporal Visualization** – Multi-INT data feeds and intelligence products are visualized simultaneously and animated synchronously to provide a single geo-temporal perspective. Multiple map overlays enhance visual correlation and improve understanding of seemingly disparate events and collection activities.

**Play, Pause, Fast Forward, Rewind, Loop** – Monitor ongoing missions in real time. Pause, pinch-n-zoom and step through recent events to analyze a developing situation. Rewind to playback a recent mission. Loop playback of a specific time and region to deliver a high impact briefing. REPLAY delivers more than a single, static Common Operating Picture – REPLAY provides interactive exploration of events leading up to and following a particular mission and supports drill down analysis of specific data products, reports, images and video related to individual incidents.

**Multi-User Collaboration** – REPLAY’s multi-touch, table-top user interface provides an intuitive, kiosk-like experience allowing multiple users to simultaneously explore, share and discover meaningful data with little or no training. REPLAY includes drawing, annotation & GIS tools to allow small teams to more easily cooperate and communicate more visually when performing ‘rock drills’ and patrol debriefs. REPLAY is optimized for use with Windows 7® and can leverage many different multi-touch hardware devices from touch screens and tablets.

**3D Situational Awareness** – Immersive 3D Map supports virtual terrain walks, interactive AARs, and the ability to pause, rewind and replay events from any angle to better analyze recent activity or plan for upcoming missions.

**Application Framework** - Developed by Ringtail Design, Replay’s open architecture and extensible software design allows custom plug-ins to be developed easily to support specific mission sets. Replay includes pluggable extensions for many in theatre sensors & systems including DoD, NATO, MISB, & OGC compliant data feeds.
Replay provides a real time, unified vision of the battle space that can include BFT, SIGACTs, SIGINT, Audio transcriptions, and FMV to support live mission monitoring and historical analysis of geo-temporal data. Replay fuses intelligence from disparate systems to allow collaborative, multi-user data exploration in a common geospatial representation to determine contextual significance and drive more informed decisions.

Additional mission sets can be supported through the rapid development of additional Plug-Ins. Government organizations may use Replay’s core features as-is or work with integrators to customize Replay for other purposes. Industry partners and Integrators can extend Replay’s capabilities with new Apps for increased functionality or Plug-Ins to support the ingest of additional Multi-INT data feeds. The combination and compilation of specific Plug-Ins allows infinite configuration options for Replay.

Replay’s intuitive touch interface provides a play/pause and rewind/review capability similar to a Digital Video Recorder (DVR) allowing rapid geo-temporal trend analysis. Replay can provide a real time, unified vision of the battle space including BFT, SIGACTs, SIGINT, Audio transcriptions, and FMV to support live mission monitoring and historical analysis of geo-temporal data. Replay fuses intelligence from disparate systems to allow collaborative, multi-user data exploration in a common geospatial representation to determine contextual significance and drive more informed decisions.

As a software toolkit, Replay is capable of supporting a variety of different missions sets by adding and removing software modules, called ‘Apps’ or ‘Plug-Ins’. Many different Plug-Ins have been developed over the past 2 years in support of Ops / Intel Convergence, Situational Awareness, AAR & Lessons Learned, ISR Mission Management & C2, Real Time Data Analysis, Multi-Source Temporal Trend Analysis.
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Open Standards

Replay currently supports ingest and visualization of a variety of open standard data formats. These include HTML, KML, KMZ, CSV, EXIF, XML, MIL-STD-2525B, GPX, Cursor on Target (CoT), MJPEG, ESRI SHP, STANAG 4676, and WMS imagery and more.

Photos & Screenshots
Digital Sandtable
Annotations & Whiteboarding

Earthquakes
Tremors animated over time
About Ringtail Design

Ringtail Design works to create simple and powerful software solutions to complex problems. Ringtail has extensive experience in developing software and user interface (UI) solutions for Government customers, including Desktop, Web, Handheld and Multi-Touch solutions for intelligence collection, analysis and reporting.

Big Data Viz
Create intuitive and informative dashboards and analytics from cloud based, large data stores.

Multi-Touch
Touch and gesture based applications that bring raw data to life and create engaging, collaborative environments.

Mobile
Simple yet powerful apps for data collection and enhanced decision making while on the move.