JTT
JOINT TRAINING TOOL

JOINT TRAINING TOOL

The Joint Training Tool is a government-owned, cloud-based, web-enabled, single digital environment accessible worldwide. The tool supports collaborative planning and training for geographically separated commands focused at the strategic and operational levels of war. The Joint Training Tool's unique, modular design allows for a rapid response to emerging cybersecurity threats, improved interoperability, and reliable correlation between planning data, simulations, and other technical components.

Benefits

Complies with DoD mandates, cybersecurity directives, and information technology initiatives to meet open, interoperable standards and protocols

Automates collaborative planning involved in the development, coordination, and synchronization of event support, exercise planning, and training environment products

Provides authoritative data sources in simulation ready formats that allow rapid scenario generation for events

Standardizes terrain data through accepted industry standards with the added capability of generating formats tailorable to other Service simulation systems

USER ENTRY
Web-based "At Point of Need"

EVENT STATUS
ARCHITECTURE
EVENT SUPPORT
EXERCISE REVIEW
DATA
JELC
Design
Plan
Prepare
Execute
Analyze & Evaluate
SIMULATION
EXERCISE PLANNING
EXERCISE EXECUTION

JOINT TRAINING TOOL

COMBATANT COMMAND & JOINT TRAINING EXERCISES

HII.com

Increased Effectiveness

The Joint Training Tool facilitates timely access to the information and resources required to perform Joint Event Life Cycle (JELC) activities on any available DoD networked platform, consistent with security classification restrictions.

- Discoverable, reusable data sets increase the effectiveness of an event by reducing the amount of time and attention consumed in organizing scenario data files. Exercise planners can start the next year's exercise series shortly after conclusion of the current JELC with products easily modified for reuse.

- Seamless and global access to functionality and activities, enabling exercise planners to create, find, use, and share information. This characteristic reduces travel costs as collaboration between event organizers, exercise planners, and the training audience occurs across multiple locations and does not depend on in-person attendance at specific JELC events.

- Improved availability and reliability from DoD and cloud resources, enabling collaboration, increasing speed of action, minimizing duplicate efforts, and enhancing the ability to coordinate across organizational boundaries. For instance, the technical architecture automatically reloads services and adds resources when the demand increases.

- Consistent information technology experience, providing users with the same look, feel, and access to information throughout the JELC timeline. Users learn one interface to navigate across the entire system.

Enabled Efficiencies

Increased use of enterprise-wide solutions reduces information technology costs across the joint training community. Infrastructure, applications, and services are developed, maintained, and operated in compliance with DoD standards.

- Advances interoperability with in-place systems. An open, modular system allows for an easier addition of other capabilities and technologies.

- Enhances security of networks and information. Available technology and coding standards harden systems and minimize cybersecurity vulnerabilities.

- Reduces duplication in the information technology infrastructure. The architecture reduces the technical footprint needed to support joint training events and exercises.

- Eliminates redundant effort and cost through global access to shareable and reusable data; a dynamic master scenario event list (MSEL) workflow; and, a single system for event support, exercise planning, and execution.

Joint Event Life Cycle

The JELC is an event planning process within the larger DoD Joint Training System, which consists of five stages: design; planning; preparation; and analysis, evaluation, and reports. The JELC for major military training exercises comprises a series of planning events designed to provide ongoing guidance, monitor progress, identify challenges, establish taskings, and provide a breakpoint between each stage.

DESIGN		PLANNING	PREPARATION	EXECUTION	ANALYSIS, EVALUATION & REPORTS
CDE CONCEPT DEVELOPMENT EVENT	**IPE** INITIAL PLANNING EVENT	**MPE** MID-PLANNING EVENT	**FPE** FINAL PLANNING EVENT	**EXE** EXECUTION	**AAR** AFTER ACTION REVIEW
• Dialogue with Commander • Identify Training Requirements • Develop Exercise Objectives • Produce Initial Plans/Directives	• Develop Exercise Support Manning Document • Refine C4I Plan • Design Initial MSEL and Storylines • Determine Database Requirements	• Review Exercise Milestones • Refine Scenario Road-to-Crisis • Finalize Force List • Review MSEL Development	• Verify Actions Complete • Finalize Manning • Complete MSEL Synch Drill • Distribute Key Exercise Documents	• Conduct Event Operational Test • Conduct Deployment • Manage Storylines and MSEL • Record Results and Outcomes	• Evaluate Training • Document Proficiencies • Conduct After Action Reviews • Complete Commander's Summary Report

HII.com

Current JELC (Product Focused)

Today's JELC requires significant product generation to support exercise planning, scenario development, order of battle determination, and storyline creation. For instance, an exercise planner develops the road-to-crisis as part of the exercise scenario, which results in multiple versions as the product matures. The road-to-crisis generates several derivative products, such as exercise themes, storylines, and sequence of events. Complicating matters, supporting products arrive in different media formats making review and analysis time-consuming and inconsistent (e.g., papers, hand written notes, or briefing slides). The time and effort needed to manage the multitude of products inhibits effective collaboration and efficient use of resources.
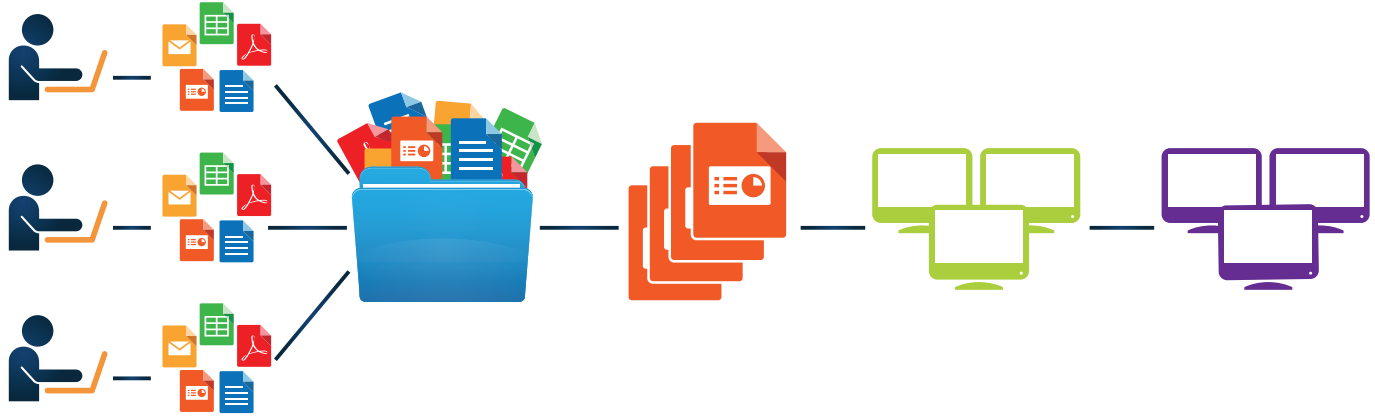
JTT Eneabled JELC (Information Focused)

The Joint Training Tool enables an information-focused approach to exercise planning. The tool automates resource intensive, repetitive, manual processes and reduces dependency on individual, static products. Using the example above, changes to the road-to-crisis—as it evolves—carry through to various derivative products, eliminating the need for manual development. The workflow function defines tasks, updates status in the dashboard, and generates notifications to users. The tool includes automated templates to enter information and a file system for required products. The common user interface presents a consistent user experience from login and event status to exercise planning and execution. The Joint Training Tool condenses preparation time for JELC events by integrating exercise planning and scenario development earlier in the JELC process.

COLLABORATE   AUTOMATE

JTT

SYNCHRONIZE   EXPORT

TRAINING AUDIENCE C2 SYSTEMS

HII
HII.com

Key Functionalities

User Interface/User Experience

JTT is a collection of individual functions and activities available to users—worldwide—from an intuitive and easy-to-use web-accessible interface. Once inside the tool, users request access to their assigned events. The tool allows the designated event leads to control access and read or edit permissions within the event and the planning syndicates, cells, and working groups.

Event Status

JTT provides customizable dashboards, both for individual use and event support. Individual dashboards allow participants to display assigned tasks, manage a calendar, request access to events, select currently assigned events, and post notes and links. Event dashboards provide rapid situational awareness for assigned members and are tailorable to brief senior leaders. Event leads modify and evolve event dashboards as the JELC matures, displaying the status of tasks, calendars, key events, quick access to event briefs and information, and other design and planning activities.
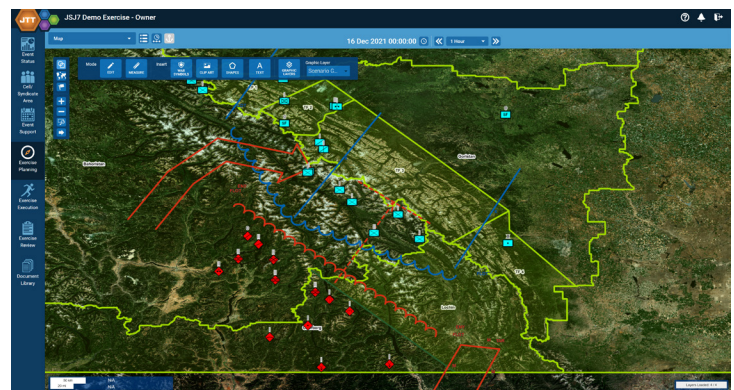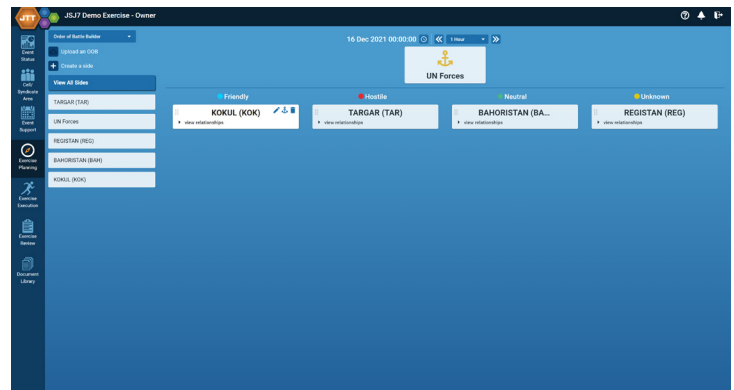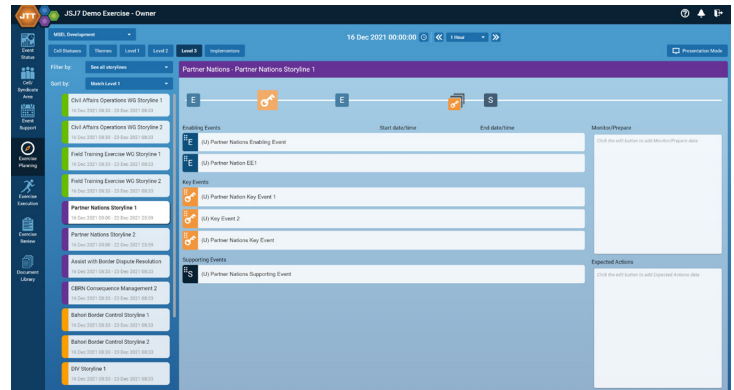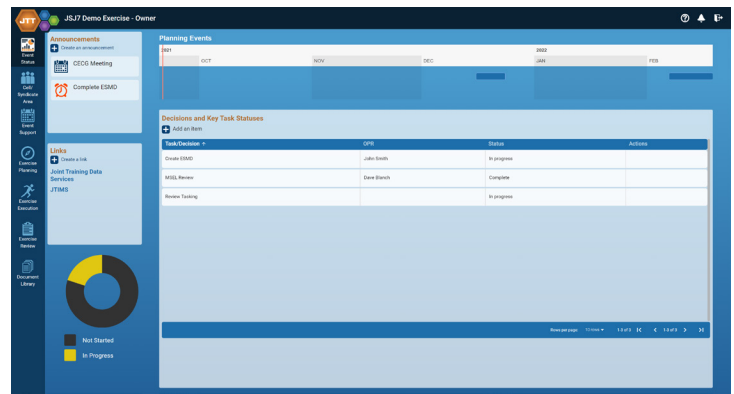
Event Support

JTT supports the entire JELC by providing enhanced situational awareness, standardized and tailorable templates, and management of exercise design, planning, preparation, and execution support milestones and products. Examples include exercise directives, calling messages, site surveys, manning documents, check-in instructions, room layouts, and life support.

Exercise Design and Planning

JTT facilitates and automates the development of several design and planning requirements, to include the operational environment, scenario, road-to-crisis, themes, storylines, and MSEL injects. The tool also enables the timely review and adjudication of design and planning inputs and outputs. The distributive, collaborative, and digital nature of the tool promotes continuous dialogue among the event leads and planners, reduces product development time, and promotes exercise development on a continuing basis vice only during planning events.

Data

JTT obtains simulation-ready force structure at the aggregate and entity levels through connections with authoritative data sources. The tool's order-of-battle functionality allows users to select a unit from the data repository and add it to the scenario order-of-battle hierarchy. JTT's terrain functionality enables a robust, realistic synthetic training environment. The tool interfaces with an operational web-based geographic information system containing a master repository of global terrain data mined from authoritative sources.