Provide an overview of Joint Staff J7’s JTLS-GO Program Management
• Joint Staff Organization
• Joint Event Support
• User Community
• JTLS-GO Program
• Program Support
• Program Sustainment
• Configuration Management
• FY19 Enhancements
Unclassified

United States Joint Staff Organizational Chart

CJCS: Office of the Chairman of the Joint Chiefs of Staff
VCJCS: Office of the Vice Chairman of the Joint Chiefs of Staff
ACJCS: Office of the Assistant Chairman of the Joint Chiefs of Staff
DJS: Office of the Director of the Joint Staff
VDJS: Office of the Vice Director of the Joint Staff
SEAC: Office of the Senior Enlisted Advisor of the Joint Chiefs of Staff
DOM: Office of the Joint Staff Directorate of Management

J1: Manpower and Personnel Directorate
J2: Directorate for Intelligence
J3: Operations Directorate
J4: Logistics Directorate
J5: Strategic Plans & Policy Directorate
J6: C4I / Cyber Directorate
J7: Joint Force Development Directorate
J8: Force Structure, Resources and Assessment Directorate

LEGEND

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JCIDS: Joint Capabilities Integration & Development System
MN/ACT: Multi-National / Allied

JS North = Pentagon, DC
JS South = Suffolk, VA

ACJCS
DJS
DOM
J1
J2
J3
J4
J5
J6
J7
J8

UNCLASSIFIED
FY 18 Joint Event Support

STRATCOM
Global Thunder 18
Global Lightning 18

NORTHCOM
Vigilant Shield 18
Ardent Sentry 18

TRANSCOM
Turbo Challenge 18/
Ultimate Guardian 18

SOUTHCOM
PANAMAX 18
Integrated Advance 18
Tradewinds 18

CENTCOM
Internal Union 18
Eager Lion 18
Regional Cooperation 18

USFK
Key Resolve 18
Ulchi Freedom Guardian 18

AFRICOM
Judicious Response/
Epic Guardian 18
Judicious Activation 18 (J-ACT)

EUCOM
Austere Challenge 18
European Exercise 18
Jackal Stone 18

INDOPACOM
Pacific Sentry 18-2
Pacific Sentry 18-3
Balikatan 18
Keen Edge 18
Cobra Gold 18

JCS
CAPSTONE 18x4
PINNACLE 18 x2
KEYSTONE 18 x2
Positive Response 18-1

ARMY WFX 18-4
OIR Pre-Deployment 18 PH II

Jointly Light, Jointly Supported

SOUTHCOM

AFRICOM

CENTCOM

EUCOM

INDOPACOM

JCS

SERVICES

UNCLASSIFIED
As of November 2018

Pending: Canada & Morocco
JTLS-GO Program

• **Provide a flexible, scalable and deployable simulation.**
• **Maintain a stable, reliable, available system that meets cybersecurity requirements.**
• **Provide capability that maximizes the use of innovative, low-cost approaches to address exercise and engagement requirements.**
• **Provide a capability for DoD organizations and multinational partners to train effectively with interoperable tools.**
• **Address the challenges of Globally Integrated Operations (GIO) through Global Integration Exercises (GIE) that include participation with Allies & Partners.**
Program Support

- Provide a single software baseline for all users.
- Provide timely fixes to software deficiencies and bugs.
- Continue cybersecurity scans at JS J7 facility.
- Provide quarterly software updates to users.
- Log, track and review all Engineering Change Proposals (ECP) and Software Trouble Reports (STR).
- Share ideas, thoughts and experiences among users.
- Continue to make the software available to our U.S., NATO and International partners.
MEMORANDUM FOR CHIEF OF STAFF, NORTH ATLANTIC TREATY ORGANIZATION HEADQUARTERS, SUPREME ALLIED COMMANDER TRANSFORMATION

SUBJECT: Joint Conflict and Tactical Simulation and the Joint Theater Level Simulation Support

1. The Joint Staff values our continuing partnership with Allied Command Transformation (ACT) as we work together to maintain and enhance our collective readiness in response to the ever-challenging security environment. On 3 July 2013, MG Watson, Vice Director J-7 issued a letter in response to ACT Chief of Staff Letter dated 28 May 2013 stating the Joint Conflict and Tactical Simulation (JCATS) and the Joint Theater Level Simulation (JTLS) will be sustained through September 2019. As we continue to research and develop more adaptive, agile, and affordable joint and coalition synthetic training environments within the United States and North Atlantic Treaty Organization, it has become readily apparent that JCATS and JTLS will continue to make significant contributions to joint and coalition readiness well beyond 2019.

2. Our ability to build and maintain collective security resides in the continued collaboration that manifests itself in our support for and use of the evolving joint and coalition training environment of which the JCATS and JTLS remain a critical part.

3. Joint Staff J-7 will continue to maintain and enhance JCATS and JTLS through 2026 or until suitable replacements are available to meet essential joint training requirements.

4. Should there be any questions, my point of contact is COL Lawrence Mullany, USA, Joint Staff J7, (757) 203-6681 or lawrence.a.mullany.mil@mail.mil.

DIRK D. SMITH
Major General, U.S. Air Force
Vice Director, Joint Force Development
Joint Staff J7
Configuration Management

- **JTLS-GO** is among DoD’s most widely distributed modeling & simulation (M&S) training tools, providing joint and coalition training and analytical solutions without the complexity and cost of a large federation of simulations.

- As the Joint Staff J7 continues to work Joint Training solutions, JTLS-GO will be sustained and remain relevant to support joint and coalition training.

- To ensure current and future critical training gaps are sufficiently addressed, enhancements will be collected from the JTLS-GO user community, prioritized through the Program Configuration Control Board (CCB), with final approval by the Joint Staff J7 CCB.

- To meet joint and coalition training and overall readiness requirements, the need for Joint Staff J7 to provide program support and sustain these M&S tools remains valid.
<table>
<thead>
<tr>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upgrade Combat Event Program (CEP) to SIM SCRIPT III</td>
<td>This effort is to ensure the JTLS-GO software is efficient, secure, stable and reliable. Now that the conversion from hex-based to globally gridded terrain is complete, it is now time to upgrade the CEP software.</td>
</tr>
<tr>
<td>Migrate from Oracle to PostgreSQL to remain relevant and usable.</td>
<td>Joint Staff J7 will migrate away from Oracle software by June of 2019. JTLS-GO requires Oracle software in database construction and after-action review (AAR) processes. JTLS-GO must migrate to PostgreSQL to remain relevant and usable.</td>
</tr>
<tr>
<td>Database Repository Tool</td>
<td>Allows individuals to quickly and accurately compare one database against another to identify changes and compare the latest version of a master enumerations list to a previous version to quickly identify changes and/or updates.</td>
</tr>
<tr>
<td>JTLS-GO MSEL Tool and interface to Joint Staff Joint Training Information Management System (JTIMS) Lite (Phase 2)</td>
<td>The tool will interface with JTIMS Lite to ingest JMSEL scenario files electronically. Automatically create and execute the necessary order(s) and track, record and report activities throughout event execution.</td>
</tr>
<tr>
<td>Explore JTLS-GO Web Hosted Interface Program (WHIP) support for HTML5 web browser (Currently in Research)</td>
<td>In accordance with U.S. Cybersecurity and Department of Defense Instruction 8510.01 (RMF), this effort is required to fully align JTLS-GO with the Cybersecurity Risk Management Framework (RMF) Software assessment (SwA) Process.</td>
</tr>
</tbody>
</table>
QUESTIONS?

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BACKUP SLIDES
The National Exercise Program (NEP) is a top-down driven exercise framework under the leadership of the White House that is the basis for coordination of federal exercises across all departments and agencies of the federal government.

The Chairman’s Exercise Program is designed to improve the readiness of US forces to perform joint operations through the conduct of regularly scheduled strategic, national-level exercises that examine plans, policies, and procedures under various simulated crisis situations.

The Joint Exercise Program is the principal means for Combatant Commanders (CCDR) to ensure they have trained and ready joint forces to meet contingency plans.

Joint Staff J7 (JS J7) is responsible for planning and execution support to the Joint Exercise Program. JS J7 support includes Joint Event Life Cycle (JELC) management, exercise design, planning, and control functions. Our support ranges from Combatant Command (CCMD) level Command Post Exercises to senior leader seminars, table-top exercises, tailored academics for staffs and staff assistance visits.

Most of JS J7 training ranges from CCMDs and joint task forces to subordinate components.

JS J7 supports the preparation of deploying HQs by providing task organized teams with tailored training and objective analysis to joint and combine force headquarters, and their components. These deployable training teams have the ability to share insights and best practices observed from every CCMD and multiple Joint Task Forces to rapidly increase the operational effectiveness of these deploying HQs. The CJTF Operation Inherent Resolve and the Special Operations Task Force for Afghanistan are two organizations we are currently supporting with Staff Assistance Visits.
• Upgrade JTLS-GO Combat Event Program (CEP) from SIMSCRIPT II to SIMSCRIPT III. This effort is to ensure the JTLS-GO software is efficient, secure, stable and reliable. Now that the conversion from hex-based to globally gridded terrain is complete, it is now time to upgrade the Combat Events Program (CEP) software.
  – SIMSCRIPT is Object-Oriented, Modular, Integrated Software Development Tool that allows the simulation to run much faster than real-time, easy to de-bug, find code errors, and fix or implement changes.

• Joint Staff J7 will migrate away from Oracle software by June of 2019. JTLS-GO requires Oracle software in database construction and after-action review (AAR) processes. JTLS-GO must migrate to PostgreSQL to remain relevant and usable.
  – PostgreSQL is a powerful, open source object-relational database system with over 30 years of active development that has earned it a strong reputation for reliability, feature robustness, and usable.
• **Develop a Database Repository Tool.** The JTLS-GO 5.1 database repository now includes the Digital Content Management Working Group (DCMWG) Master Class List. This list is comprised of approximately 12,600 Entities, 1,250 Munitions, and 925 Emitters. In order for the database builder to insure the accuracy of a database (especially moving from one year to the next), an automated process is required. It is impossible for a human to ensure accuracy without an automated tool. This tool allows individuals to quickly and accurately compare one database against another to identify changes and the latest version of a master enumerations list to a previous version to quickly identify changes and/or updates.

• **Develop JTLS-GO MSEL Tool.** JTLS-GO version 6.0 will include a Master Scenario Events List (MSEL) tool. Preliminary work has been conducted to interface with the Joint Staff Joint Training Information Management System (JTIMS) Lite to ingest JMSEL scenario files electronically. The tool will automatically create and execute the necessary order(s) and track, record and report activities throughout event execution. In the future, execution data will automatically update the JMSEL database.
• **Explore JTLS-GO Web Hosted Interface Program (WHIP) to support HTML5 web browser capability.** The JTLS-GO WHIP currently requires a download of JAVA Web Start upon startup. In order to be fully compliant with RMF, JTLS-GO WHIP must be redesigned to work strictly using HTML5.

  – In accordance with U.S. Cybersecurity and Department of Defense Instruction 8510.01 (RMF), this effort is required to fully align JTLS-GO with the Cybersecurity Risk Management Framework (RMF) Software assessment (SwA) Process.

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HTML5 is a markup language used for structuring and presenting content on the World Wide Web. HTML5 includes detailed processing models to encourage more interoperable implementations; it extends, improves and rationalizes the markup available for documents, and introduces markup and application programming interfaces (APIs) for complex web applications.