

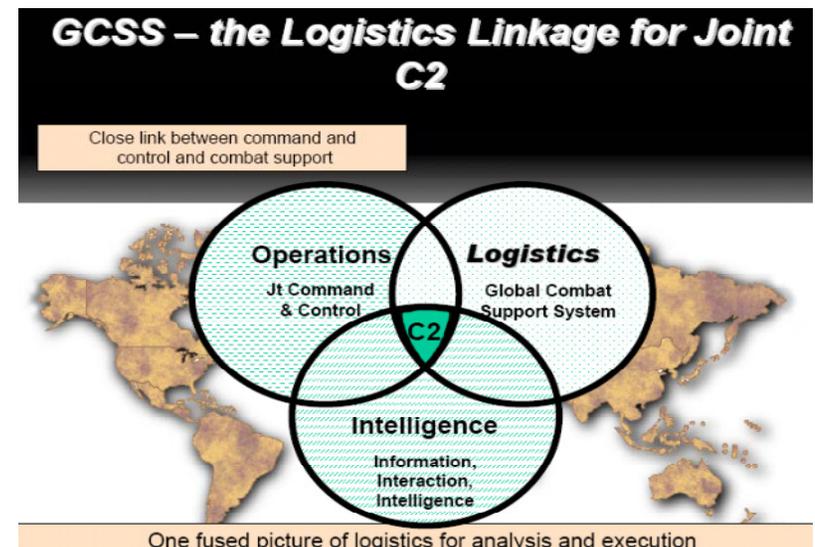
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Global Combat Support System – Joint Program Overview



- Functional Sponsor: Director for Logistics Joint Staff (DJ4)
- Acquisition Category: 1AC
- Milestone Decision Authority: DISA Component Acquisition Executive
- Operational Test Authority: Joint Interoperability Test Command (JITC)
- Certifying Agency: Defense Intelligence Agency (DIA)
- Designated Approval Authority: STRATCOM
- Mission Assurance Level: MAC II
- Requirements Authority: JS J4
- Current Operating System: v7.2
- Customers:
 - Combatant Commands
 - Joint Task Force Commanders
 - Other Agencies
- Operational Concept:
 - Strategic Servers
 - SMC-Montgomery – Primary / DECC-Pacific – Failover

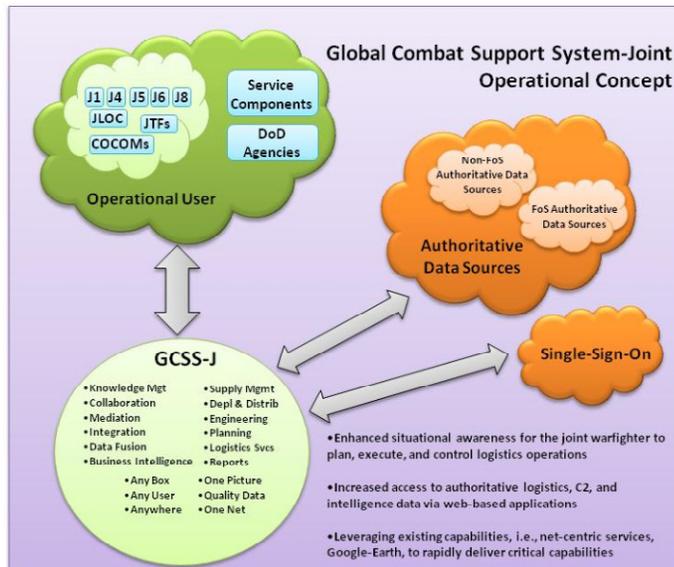


Operational View



Joint Staff Focused Logistics Vision:

Dynamic Logistics -> Nothing Constrained -> Everything Possible



- ☑ The **right** personnel, equipment, supplies, and support
- ☑ In the **right** place
- ☑ At the **right** time
- ☑ In the **right** quantities
- ☑ Across the **full spectrum** of military operations

- Delivers accurate, timely, and relevant information to the joint logistics warfighter
 - Enables asset visibility from disparate authoritative data sources to provide the warfighter an integrated picture of the battlespace
- Operates in a web-centric / net-centric environment to provide information to authorized users regardless of geographic location
- Combines logistics information with operations and intelligence to provide the joint warfighter the ability to plan, execute, and control logistics operations.

GCSS-J provides enhanced decision support and situational awareness to the warfighter



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Global Information Grid (GIG) Content Delivery Service (GCDS)

Security Gateway (DataPower)
Security: DOD PKI and Form-based Authentication

GCSS-J Home Page

Announcements, Datasource Availability, Links, Memberships, Data Import

Single Sign-on

Joint Planning and Execution Services (JPES)



Web Service Consumer



Family of Systems (FoS)
Single Sign-on (SSO)

Joint Capability Area (JCA) Environment

Mapping and Reporting Capability

4.1 Deployment & Distribution

- Distribution

4.2 Supply

- Watchboards
- Log Analysis
- Admin

4.6 Engineering

- Engineering Plans
- Engineering Reports

5.3 Planning

- RTB Reports



Data Services

GIDE/PAC
E URL

MetaMatrix

Oracle

Includes ABFC, GEOBEST, Airfields, Seaports, and other local data.



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GCSS-J User



Security Gateway (DataPower)
Security: DOD PKI



Web Service Consumer

GCSS-J Home Page

Announcements, Datasource Availability, Links, Memberships

Single Sign-on



Family of Systems (FoS)
Single Sign-on (SSO)

Joint Capability Area - (JCA) Environment

Mapping

Reporting

Distribution Truck Tracks

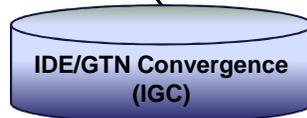


In-Transit Visibility (ITV)
Web Service

Data Services

MetaMatrix

Local Oracle Database



Asset Visibility (AV)

IDE/GTN Convergence (IGC)

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Agile Development
Our Approach



- Functional users define processes and requirements; J4 establishes priorities
- Leverage Use Case Development & User Story Development to translate requirements to capabilities
- Unite functional user and developer virtually and physically
 - SW Drops on *First Look Site*
 - Face-to-face meetings with users
 - Immediate user feedback
- Include Test Community early in the development process
- Conduct daily scrums to better guide development efforts
 - *What Did I Accomplish Yesterday*
 - *What Do I Plan To Accomplish Today*
 - *What Issues Do I Have – Issues Resolved In Hours*
- Release products via smaller increments of capability
- Deploy capabilities in shorter periods vs. “block” development

PMO Focus – Agile/Flexible



- Agile teams
 - Warfighter, requirements owner (capability area managers), developer, tester
 - Functional process-driven capabilities
 - Business process flow / use cases
- Continuous Process Improvement
 - “Enterprise” – wide
- COTS transition to meet budget reductions
- Continue to work requirements / schedule
- Continue to support JS J4 to establish capability area working groups

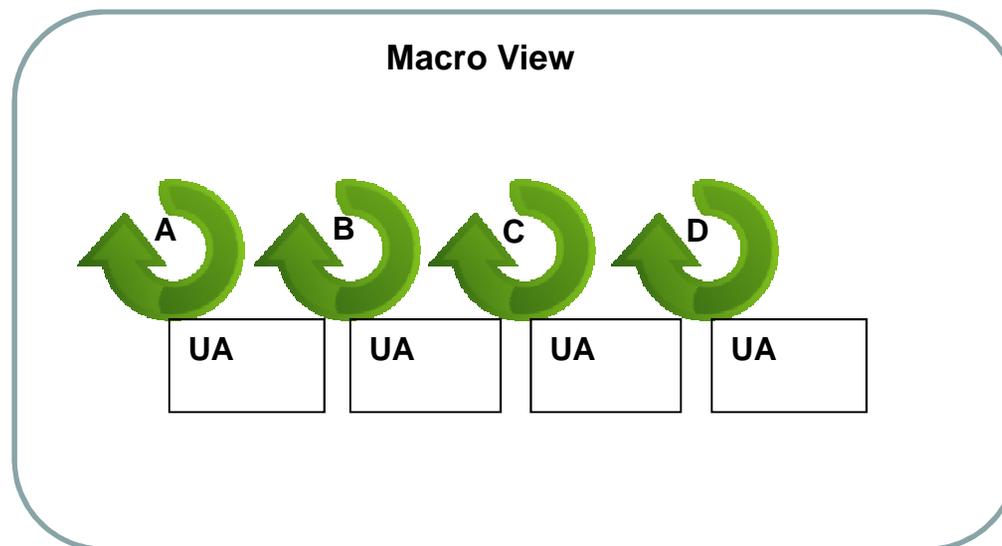
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The Agile Machine



User Assessments



GCSS-J conducts User Assessments (UA) approximately every 30-45 days. These assessments enable users to preview new capabilities and enhancements under development, and provide an opportunity for users to submit comments/feedback directly to the GCSS-J Program Office and Joint Staff J4



4.1 Deployment & Distribution

- Create air and sea Nodes/Hubs using authoritative data and user supplied data
- Obtain seaport workload and ship container information via the map with only a few clicks
- Access to military and commercial trucks via real time data from Radio Frequency - In Transit Visibility (ITV)
- Access to a variety of reports including:
 - Airfield Workload
 - TCN Details
 - GTN Cargo Tracking
 - Unit Move – Cargo/PAX
 - GDSS Mission Itinerary
 - Seaport Workload
 - Ship Container List
 - Ship Container Content
 - Cargo Ship Location
 - Cargo Ship Schedule

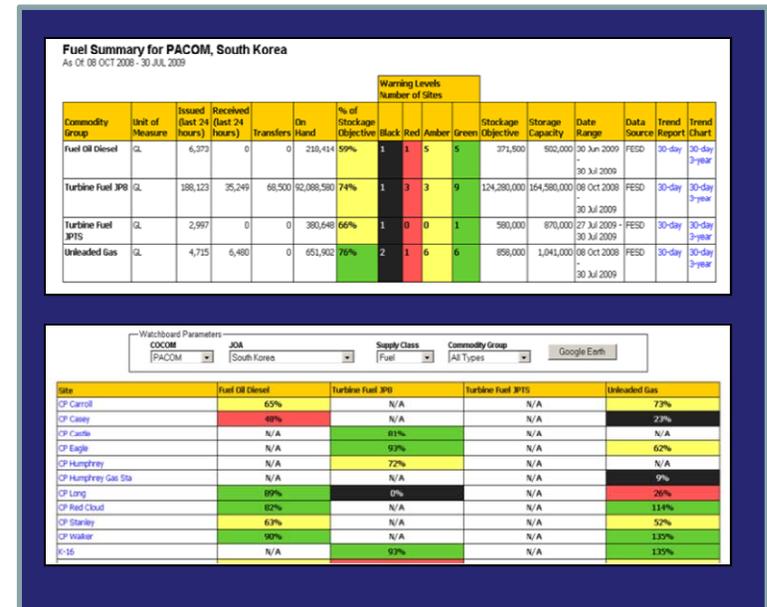




4.2 Supply

Supply operations are supported by the GCSS-J WatchBoards and the Logistics Analysis tool:

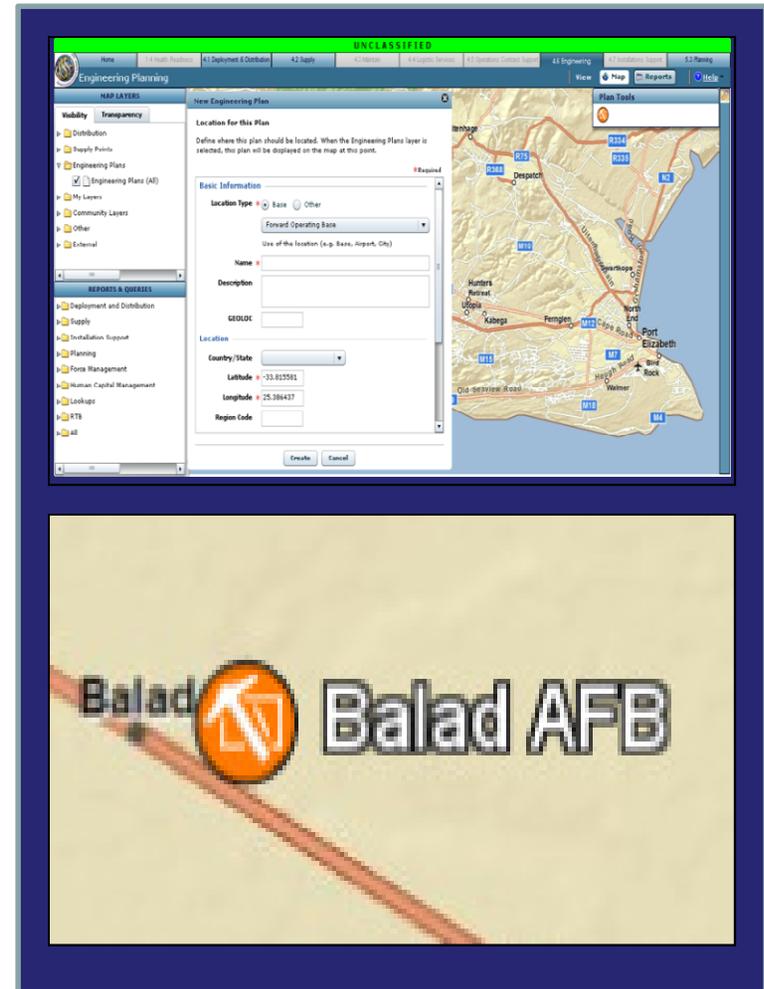
- WatchBoards are exportable to excel and Google Earth
- Map-based Logistics Analysis
- Access to a variety of reports including
 - Bulk Fuel Inventory
 - Tanker Deliveries
 - Unit Equipment
 - Requisition Summary
 - Wholesale/Retail Inventory
 - War Reserves
 - Munitions Inventory
 - Requisition Details



4.6 Engineering

The Joint Engineer Planning and Execution System (JEPES) supports deliberate and crisis action planning:

- Create and edit plans using a map-based interface
- View construction report summaries for both materials and man-hours



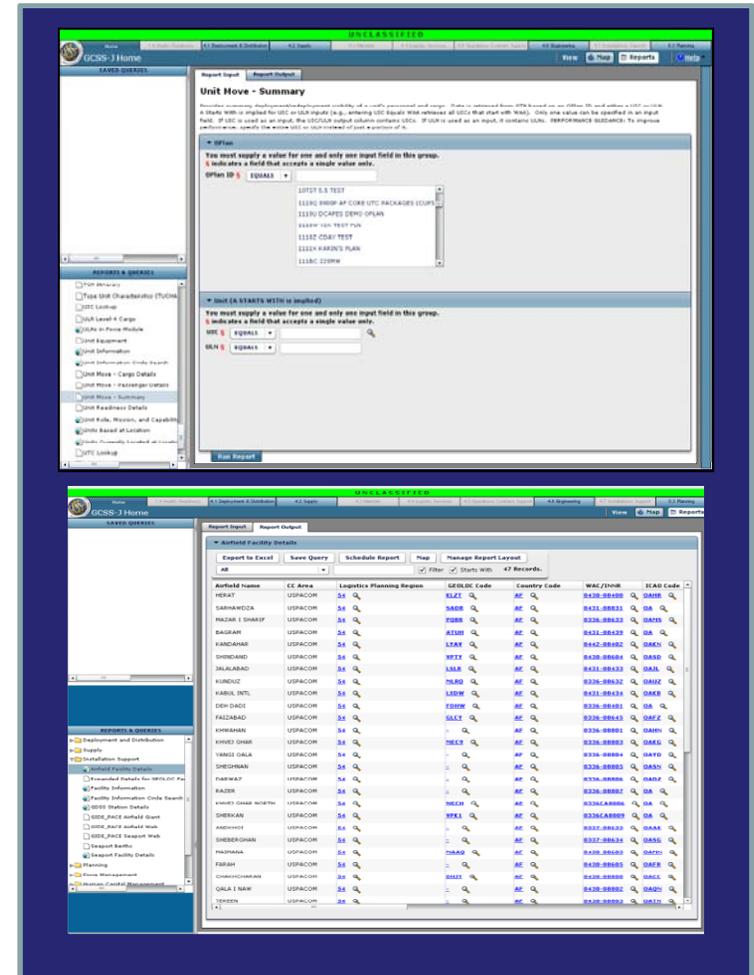


5.3 Planning

Planning is supported via the GCSS-J Reporting Tool. Some of the reports available to support planning include:

- Air Tracker
- OPLAN Analysis
- Readiness for Units in OPLAN
- Unit Move – Passenger Details
- Expanded OPLAN Details
- Unit Move – Cargo Details

The Joint Planning and Execution Services leveraged GCSS-J's reporting capability to support planning. Some of the reports will include:



Note: Joint Operational Planning and Execution System (JOPES) and Rapid TPFDD Builder (RTB) access required for certain reports

Capabilities



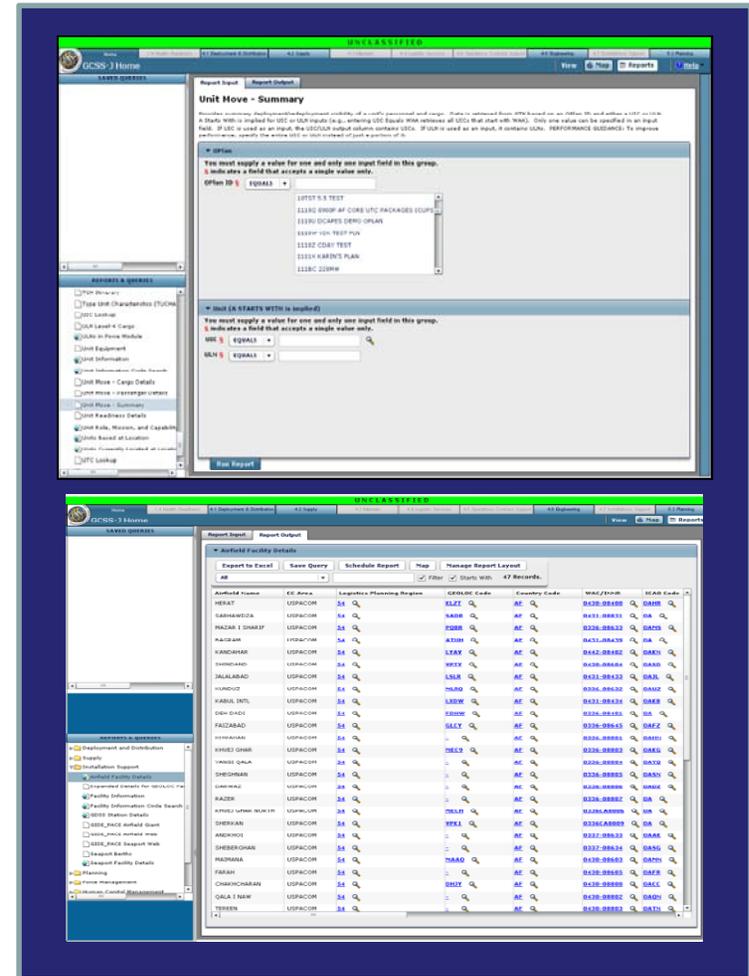
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- Air Tracker
- OPLAN Analysis
- Expanded OPLAN Details
- Readiness for Units in OPLAN
- Unit Move – Cargo Details
- ULNs in Force Module
- OPLAN PIN Analysis
- OPLAN CIN Details
- ULN Level-4 Detail

The Joint Planning and Execution Services leveraged GCSS-J's reporting capability to support planning. Some of the reports will include:

- **Logistics**
 - RTB- Split Shipment Records
 - RTB- Non-Unit Cargo Sustainment Summary
- **Personnel**
 - RTB-Unit GSORTS Report
 - RTB-Sustainment Summary
- **Plan Build**
 - RTB- Force Module Totals
 - RTB- ULN Closure Report



Note: Joint Operational Planning and Execution System (JOPES) and Rapid TPFDD Builder (RTB) access required for certain reports

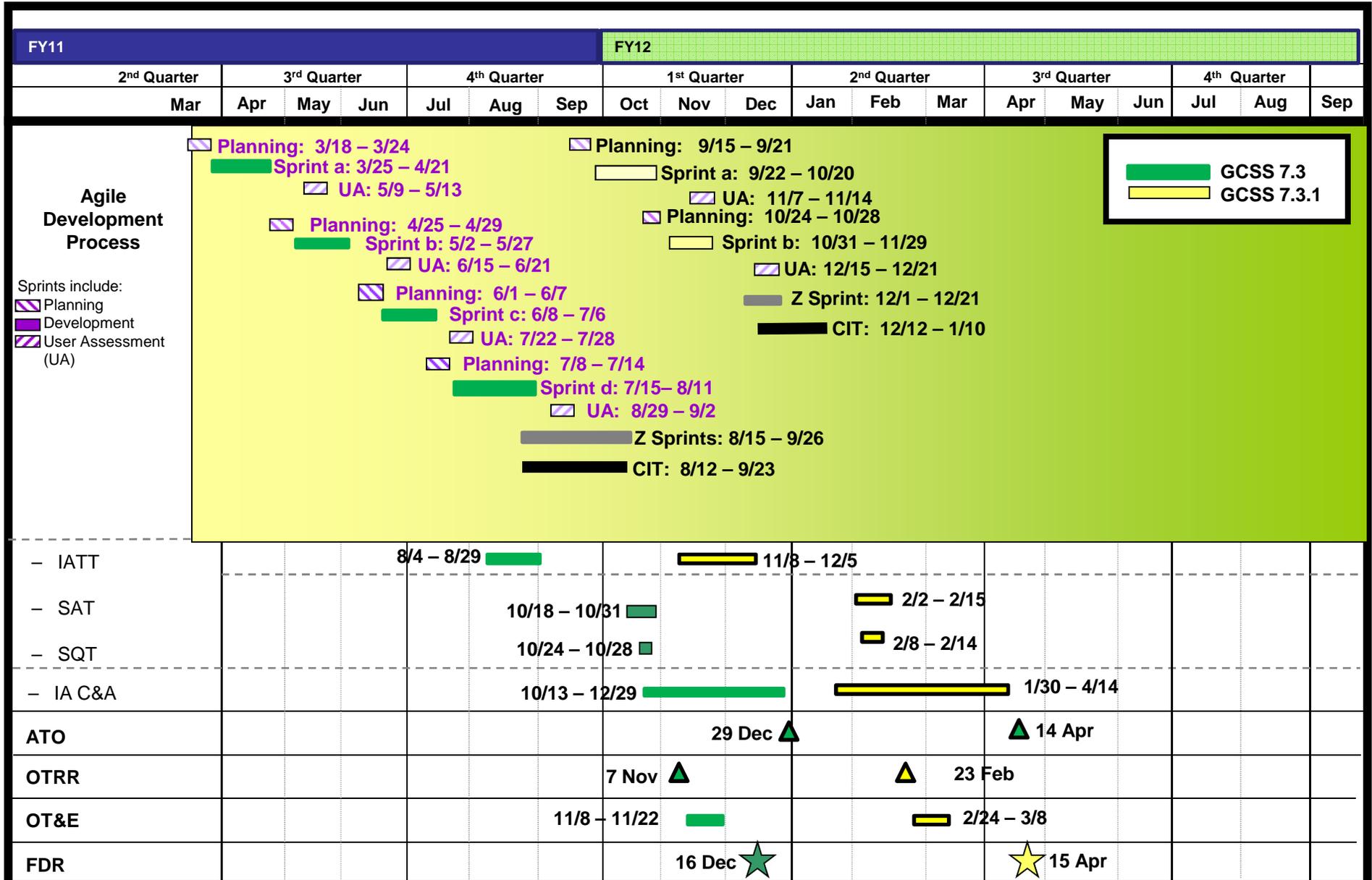


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v7.3 / v7.3.1 Schedule



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Summary



- Supports the Combatant Command and Joint Task Force Commanders
- Vision: Dynamic Logistics -> Nothing Constrained -> Everything Possible
- Available on both the SIPRNet and NIPRNet
- Employ an agile development methodology
- Field new capabilities or enhanced capabilities every 6 months
- Continue to remain flexible seeking new ways to improve processes

