



# TALIUM

## Multi-Domain Mission Support

TALIUM gives the solution to digitize the mission end-to-end cycle, enabling safe and efficient operations.

In an uncertain environment where the armed forces face increasingly complex scenarios, TALIUM (Tactical and Logistics Information for Unlimited Missions) is the answer to each stage of the mission.

This easy-to-use next generation system digitizes the operations and the battlefield, resulting in improved efficiency, reduced workload and, the most vitally important, minimized risk.

TALIUM enables to safely plan, manage and support any mission type allowing the user to share tactical and logistics information and connect air platforms, UxVs, land vehicles and soldiers.

Plan, brief, conduct, debrief, analyze data and learn: the system brings a unified resource for achieving mission success, dramatically reducing complexity and logistics footprint.

It can be deployed in multiple configurations, from command centres and transportable shelters to tactical terminals, forward positions or even onboard the platforms.

Scalable, flexible and modular, TALIUM integrates with communications systems, logistics databases, simulators, air defence systems or command and control suites for providing an advanced tool that meets the critical demands of the armed forces.

## Operational Planning

Effective operational level planning, no matter the involved assets nor the mission constrains and characteristics.

- Define units, personnel and logistics needed for the mission accomplishment, from simple sorties to several days' missions
- Create the hierarchical structure and the schedule linked with the resources, platforms, personnel, tasks and time slots
- Plan operational actions of the involved elements
- Monitor and check the involvement of each unit during the course of the mission
- Generate reports for the mission briefing: deployment information schema, coordination and standards, contingencies

“**TALIUM becomes the key element for successfully accomplish the mission. Its interoperability with command and control suites, simulators or air defence systems is a game changer for achieving decision superiority**”

## Tactical and Logistical Planning

Time-to-mission drastic reduction, automating processes and minimizing armed forces burdens. Compatible with most of geographical standards allows to exploit their georeferenced information offering a high-detailed mission scenario.

- Define by means of an intuitive and disruptive GIS all the tactical mission data: flight plans, communications, tactical and threats information
- Configure the platform in terms of equipment, cargo, crew, fuel, weapons or sensors, assessing automatically flight and mission viability based on the performance charts
- Manage alerts (collision, terrain profile, low visibility, restricted areas, fuel consumption, weapon status, etc.) and re-plan mission
- Import and export coordination means, such as Air Control Order (ACO) or Air Tasking Order (ATO) to help ensure deconfliction and effective battlefield and airspace control
- Platform integration for loading data and automatically configure systems/ subsystems
- Platform integration for downloading data and run into databases

## Conduction

Safe execution of the mission integrating with the platform communications.

- Real-time command and control mission assets with (HF, VHF/ UHF and SATCOM.) and datalinks (VMF, Link- 16, Link-22, MUM-T or legacy)
- Exchange tactical information, positioning and other and other mission critical information such as objectives, threats or obstacles
- Provide clear situational awareness and operative states for supporting decision-making
- JTAC module for DA-CAS procedure providing extremely high efficiency and supporting the soldier in setting live information for coordinating attack with the pilot

## Briefing and debriefing

Full awareness of any situation occurred during the mission.

- Simulation or Playback video from different points of view (cockpit, out-of-aircraft, ground, etc.) pre and post conduction
- Mission recording from platform or ground events and replay for pilots, crew and soldiers training and learned lessons
- Easily download, visualize and analyze all the mission registered data



Its modular and open architecture is platform independent and allows to be adapted to the customer needs.

The system can evolve by adding new modules and integrating different platforms or configurations, obtaining a unique system for a multi-domain operation.

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