



ICCS Next generation C² system



TSG's ICCS C² system Integrates and fuses situation pictures from various branches, security services and emergency forces, while sharing information among units and agencies

The Challenge

Joint staff commanders require a complete and accurate integrated situation picture as well as decision-support tools for effective management. With responsibility over the whole campaign, senior officers receive inputs - from numerous, independent command-and-control systems such as operation, intelligence, SWAT and logistics. However, diversity and lack of integration make it difficult to create a single integrated situation picture (ISP) of the campaign, particularly when needed most - in real time.

The Solution

TSG Integrated Command and Control System leverages advanced technologies, state-of-the-art solutions, and a deep understanding of defense & HLS organizations. ICCS creates a comprehensive, real-time, and uniform integrated situation picture, presented to diverse users - such as intelligence and operations officers in their required resolution, while offering drill-down capabilities. ICCS provides two-way connectivity between the ISP and command units.

TSG is a global provider of C4ISTAR solutions. With over four decades of experience. TSG specializes and has a proven track record in designing, developing, supplying and integrating advanced, comprehensive and highly innovative solutions and systems for the defense and homeland security sectors. Dedicated to delivering cutting-edge, best-of-class solutions, TSG serves a diverse client base of governmental organizations worldwide.



System Highlights



Field-proven solution for routine, crisis and conflict situations



Seamless connectivity to multiple, diverse legacy C2 systems



Unique architecture



Real-time, uniform integrated situation picture (ISP)+



Decision-support tool



Strong logistics module



Human resources management module



Efficient channeling of all aid efforts



The command units feed ICCS with their current situation, which continuously update the ISP. ICCS then enables the transfer of information back to the commands based on the updated ISP. By linking the ISP to all commands, ICCS helps commanders throughout the ranks conduct high-quality situation assessments make intelligent decisions, and act rapidly, thereby enhancing operational effectiveness at all echelons.

Why ICCS?

ICCS is built with unique, state-of-the-art architecture that ensures a high level of reliability and security under all conditions without compromising performance. A robust, scalable system, ICCS features open architecture, a modular design, cutting-edge connectivity technology, and an advanced human-machine interface.

ICCS is designed for full redundancy, including intra-site redundancy, in which a backup for each critical component is provided, and inter-site redundancy, each site is backed up by other sites. In addition, each command linked to ICCS can operate independently in a degraded mode when communication lines are down. Once communication is restored, the system maintains hot backups as well as disaster recovery planning to synchronize the command automatically. synchronize the command automatically.

Key Features

- ▶ Seamless legacy system interface: seamlessly and automatically interfaces with legacy C2 systems
- ▶ High scalability: supports simultaneous operation by hundreds of users
- ▶ Independent operation: enables each command to operate independently in a degraded mode when communication lines are down
- ▶ Automatic synchronization: maintains hot backups as well as disaster recovery planning and synchronizes commands automatically when communication is restored
- ▶ Comprehensive tools and displays: comes equipped with reporting, planning, control and supervision tools as well as displays such as maps, tables and graphics



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