

Bull Battle Management System

Share combat
information
everywhere on
the battlefield



Trusted partner for your Digital Journey

Atos

Share combat information everywhere on the battlefield

Bull BMS: Battle Management System

Bull BMS is the single complete solution for sharing battalion level land and air-land combat information on the battlefield.

Bull BMS is designed for use at command post, vehicle and dismounted soldier levels.

Bull BMS is robust software that is configured to perfectly fit with a country's doctrine and specificities using an iterative process.

The resulting solution is easily extensible to anticipate future operational requirements and ensure national strategic independence of mission critical systems.

The efficient combat tool for commanders

- ▶ With Bull BMS, armies can rely on one single system within battalions, ensuring fast creation of joint-forces tactical task forces that efficiently share full mission information.
- ▶ A solution adapted for use at command post, vehicle and dismounted soldier levels
- ▶ A trusted environment that provides actionable, current information
- ▶ Intuitive user interface and high tolerance to imprecise key entry under fire
- ▶ Ensures optimal exchange in degraded conditions on existing tactical radio networks
- ▶ Supplies tactical situation awareness in reflex time with blue force tracking (BFT)

The right fit for national strategic choices and doctrine

Military departments worldwide are engaged in a rationalization process of their operational information systems. They want to equip their combat units with a unified information system, replacing their current, disparate systems with a single solution that benefits from the power and flexibility provided by new digital technologies.

Bull BMS is designed to be customized to closely fit with a country's strategic choices. Inside battlegroups, Bull BMS makes it possible to exchange and protect operational command information, and display and share the tactical situation. Its feature set can be easily extended to encompass national missions and specificities.

Bull BMS, a combat information system designed and developed with experts of the French Army, provides combatants with improved simplicity, intuitiveness and robustness. It provides unmatched automation and information flow between all levels of command.



Command post – Bull BMS provides military commanders with efficient decision support during mission preparation, training and execution. It aggregates information from the field and external sources in order to supply up-to-date information and relay decisions.

Field – Bull BMS is optimized for efficient use in field conditions, transparently relaying information from on-board sensors and weapon systems. It provides situational awareness in fixed locations and inside vehicles, making it possible to collaboratively share data, orders and alerts on the battlefield.

Dismounted soldier – Bull BMS enables troops on the ground to share critical tactical information, including blue force tracking and link with connected soldier equipment. Map-based situational awareness facilitates fast and efficient action, keeping foot soldiers within the decision loop.





Highly adaptable

- The modularity of Bull BMS allows it to fit very diverse operational uses, depending on the national defense organization, doctrine and strategic equipment choices. Bull BMS is designed for combined-armed as well as international operations.
- Bull BMS is designed from the ground up for land and air-land combat, with an easily extensible feature set that adapts to national missions.
- Atos works collaboratively with your local defense ecosystem, from large systems integrators and vendors to SMEs. Bull BMS can easily integrate a country's choice of defense equipment e.g. tactical radio, vehicles, weapon systems, operating system etc.
- Bull BMS is highly agnostic toward existing technologies such as radio network, vetronics and connected devices. Its layered architecture is based on standard, modern IT choices to ensure strategic independence.
- Bull BMS is easy to extend and maintain. Atos service ensures close fitness to a country's doctrine and requirements with the Agile iterative methodology.

Easy to use

The interface of Bull BMS is designed to be highly intuitive. It has an easy learning curve, enabling soldiers to use essential features very quickly. It adapts to usage in very varied operational conditions, making it possible to use it throughout a battalion.

As the mission evolves, soldiers can easily create tactical groups, adding and removing units on the fly. Status changes, alerts, mission assignment and messaging require only a few manipulations. Sharing observations from connected optical devices is done with a few finger taps.

The battle map acts as a shared information board, updated in near real-time with new combat information and blue force tracking (BFT). Vetronics information is shared transparently, eliminating manual technical reporting.

Highly adaptable

Bull BMS is the functional and technical basis of SICS (Scorpion combat information system), the solution designed by Atos within France's ambitious Scorpion program to modernize equipment within the French army's battlegroups.

Atos designed SICS in close collaboration with the French Army's experienced specialists in networked combat. The solution is regularly tested and optimized collaboratively with all types of users, from foot soldiers to HQ staff, specifically to meet the most demanding operational needs.

Based on Bull BMS, SICS replaces five different former systems. With the new solution, one single combat information system is used from battalion command posts to vehicles and dismounted soldiers. It handles multiple levels of decision and usage patterns, and is adapted to the constraints of the battlefield.

Atos worked closely with French and international companies of all sizes within the SICS part of the Scorpion program. This resulted in innovative solutions integrating BMS with next-generation tactical radios, future-soldier vest, highly configurable vehicle platforms, enhanced vetronics and connected equipment.

About Atos & Bull

Atos SE (Societas Europaea) is a leader in digital services with pro forma annual revenue of circa € 12 billion and circa 100,000 employees in 72 countries. Serving a global client base, the Group provides Consulting & Systems Integration services, Managed Services & BPO, Cloud operations, Big Data & Cyber-security solutions, as well as transactional services through Worldline, the European leader in the payments and transactional services industry. With its deep technology expertise and industry knowledge, the Group works with clients across different business sectors: Defense, Financial Services, Health, Manufacturing, Media, Utilities, Public sector, Retail, Telecommunications, and Transportation.

Atos is focused on business technology that powers progress and helps organizations to create their firm of the future. The Group is the Worldwide Information Technology Partner for the Olympic & Paralympic Games and is listed on the Euronext Paris market. Atos operates under the brands Atos, Atos Consulting, Atos Worldgrid, Bull, Canopy, Unify and Worldline.

For more information, visit atos.net/contact-us

Bull, the Atos technologies for the digital transformation

Bull is the Atos brand for its technology products and software, which are today distributed in over 50 countries worldwide. With a rich heritage of over 80 years of technological innovation, 2000 patents and a 700 strong R&D team supported by the Atos Scientific Community, it offers products and value-added software to assist clients in their digital transformation, specifically in the areas of Big Data and Cybersecurity.

Bull is the European leader in HPC and its products include bullx, the energy-efficient supercomputer; bullion, one of the most powerful x86 servers in the world developed to meet the challenges of Big Data; Evidian, the software security solutions for identity and access management; Trustway, the hardware security module and Hoox, the ultra-secure smartphone. Bull is part of Atos.

For more information, visit atos.net/products

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