

# FORCE PLANNING, GENERATION, AND DEPLOYMENT

## GAIN THE VISIBILITY AND AGILITY TO HEIGHTEN RESPONSIVENESS

The SAP for Defense & Security solution portfolio offers the total asset visibility and actionable information needed to deploy the right resources to address global threats. By creating a collaborative, integrated planning environment, these solutions also accelerate decision making and responsiveness.



Agility and flexibility play an indispensable role in ensuring the responsiveness of today's military forces. Yet the sheer complexity of pulling together all the elements needed to plan and deploy forces – whether at the single service, multi-service, or multinational level – can undermine these traits and threaten military readiness. This complexity arises from the following issues:

- Lack of visibility into the availability and readiness status of individual personnel, equipment, supplies, and resources, preventing you from identifying and utilizing the right forces to support each deployment effectively
- Limited flexibility in planning, deploying, and supporting operations
- Disconnected planning and execution efforts, leading to poor collaboration
- Fractionalized, vertically oriented information systems that create silos of information and impede decision making
- Reliance on manual and custom-coded solutions that result in costly and inefficient planning and operations processes

The SAP for Defense & Security solution portfolio addresses these issues and facilitates the dynamic and rapid generation, deployment, and sustainability of all types of combat power. Based on an integrated environment that enables system interoperability and provides a complete, consistent view of real-time information, SAP for Defense & Security is designed for global asset visibility and synchronized operational

planning. As a result, the software supports collaborative planning and execution – providing combatant commands, joint force commanders, combat support agencies, and emergency managers with comprehensive support for force planning, generation, and deployment.

### Flexibility to Adapt Your Organizational Structure

Utilizing standard enterprise resource planning (ERP) software, the SAP for Defense & Security solution portfolio represents each organizational element of an operation – such as a tank, squadron, company, regiment, or single warfighter – as a “force element” (see Figure 1). The software then links each individual force element with its respective deployment requirements, including personnel, equipment, supplies, logistics, and finances.

Once identified within SAP for Defense & Security, the force element becomes the core entity or “center of gravity” against which you can research, identify, task, and assign all resources needed for an operation. With this unique software feature, you can dynamically realign each force element on the fly, confident that the associated logistics process will automatically realign behind it.

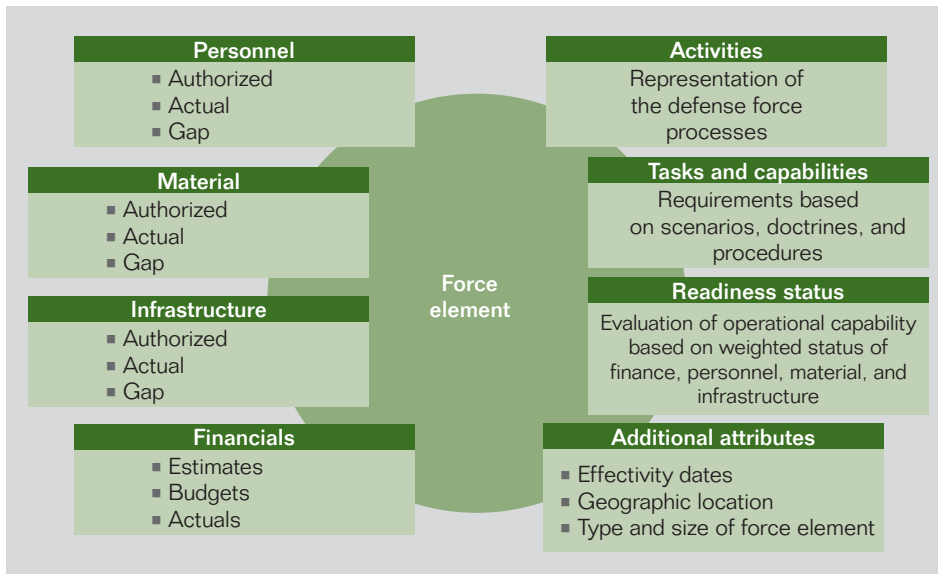


Figure 1: The Force Element or “Center of Gravity” for Deployment Planning

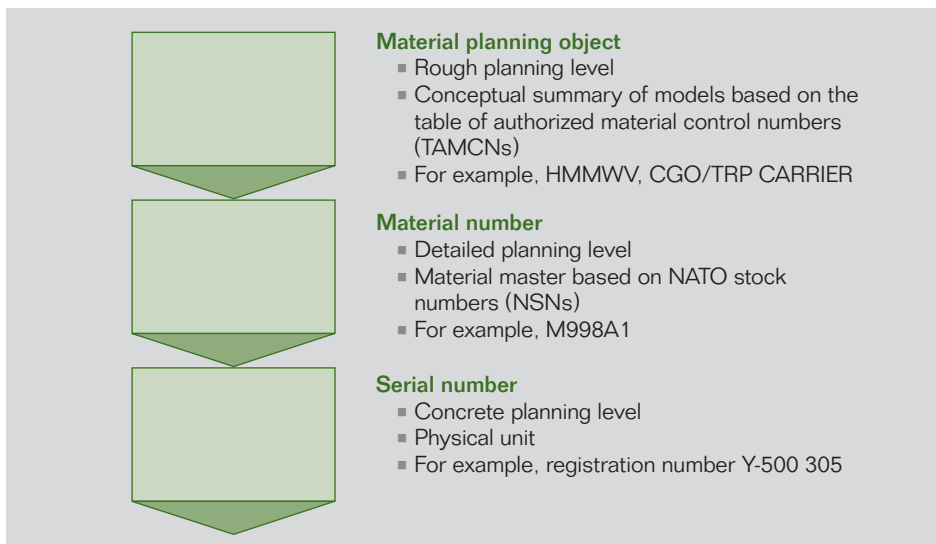


Figure 2: Material Equipment Planning Levels

## Visibility into All Assets from Start to Finish

Because force elements can represent either existing or planned forces, you can evaluate all force deployment options through what-if drills and then generate and execute sound operational plans. Through it all, the SAP for Defense & Security solution portfolio enables you to maintain a comprehensive and current picture of all forces, along with their readiness factor.

The SAP for Defense & Security solution portfolio supports each phase of the deployment planning process, from initial concept to final execution (see Figure 2). Starting at the macro level, you can rough out the conceptual plan for each deployment by asking questions such as “What kind of vehicle do I need to accomplish this mission?” Then you can move down to the more detailed and concrete planning levels by asking “Which vehicles, by material number or registration number, do I want to use in this operation?”

By providing access to authorized as well as assigned assets, the software helps you optimize forces by taking a true capability-centric approach to deployment planning that supports today’s effects-based theory of force execution (see Figure 3). With comprehensive visibility into the real capabilities of assets, you can better determine the effects that those forces will have on the goals of the mission and structure the operational force accordingly.

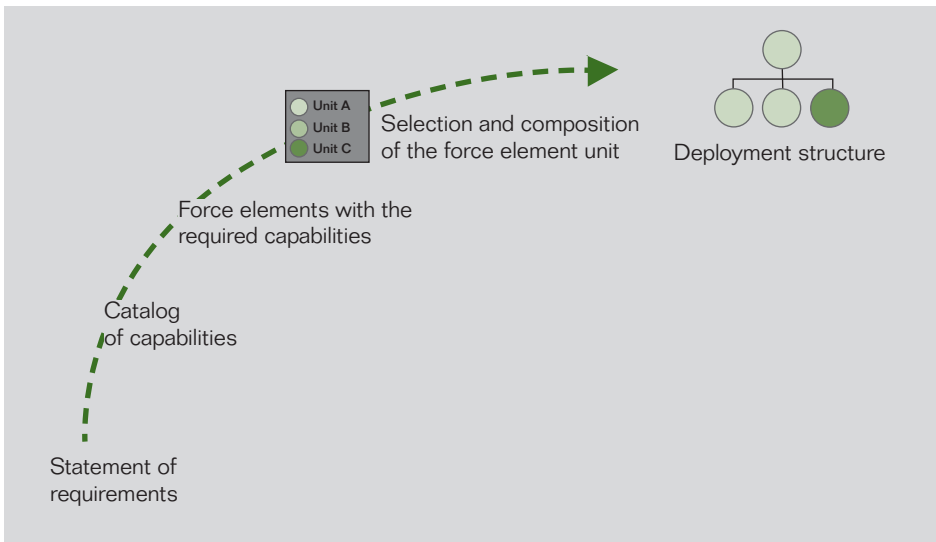


Figure 3: Capability-Centric Force Planning

### Integrated Environment to Maximize ROI

The SAP for Defense & Security solution portfolio is based on the SAP NetWeaver® technology platform. SAP NetWeaver unifies technology components into a single platform, allowing you to reduce IT complexity and obtain more value from your IT investments. It provides the best way to integrate all systems running SAP® or non-SAP software.

SAP NetWeaver provides benefits that are especially well-suited to defense and public security organizations like yours. These benefits include:

- A networked environment that helps ensure visibility and usability
- Information and applications that are understandable, trusted, interoperable, and responsive

- Integration with other applications in the IT landscape
- A path to the future with service-oriented architecture (SOA)

SAP NetWeaver also helps your organization align IT with other operations. With SAP NetWeaver, you can compose and enhance applications rapidly using enterprise services. As the foundation for SOA, SAP NetWeaver allows you to evolve your current IT landscape into a strategic environment that drives business change.

### Consistent Information, Tailored to Stakeholders' Needs

In any military exercise, different stakeholders require different views of force deployment information to carry out their roles and responsibilities successfully. Some need access to detailed

data for specific activities, such as generating load manifests. Others need summary information that allows them to maintain a strategic perspective of deployment operations. You can tailor the way information is presented so that it meets each stakeholder's needs by linking SAP for Defense & Security with business intelligence software from Business Objects, an SAP company. The result is a consistent yet customized picture of the force planning, generation, and deployment environment, ensuring that all stakeholders and decision makers are working off the same set of information.

### Streamlined Force Planning, Generation, and Deployment

The SAP for Defense & Security solution portfolio unravels the complexity of planning and deploying the right resources to respond to global contingencies by providing the following benefits:

- Off-the-shelf force management functionality that enables interoperability with existing command and control systems
- Actionable, integrated information that optimizes the use of forces and resources
- Visibility into the readiness of available resources across information and operational domains
- Collaboration along the entire process chain, enabling all stakeholders to exchange and share information
- Compressed decision cycles to accelerate response time
- The ability to model personnel and material within a specific organizational structure using standard ERP software

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## Summary

The SAP for Defense & Security solution portfolio provides the total asset visibility, integrated information, and collaborative planning environment needed for effective deployment planning and improved responsiveness to global threats.

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## Challenges

- Poor visibility into deployment resources, impeding real-time situational awareness
- Inflexible and unsynchronized planning processes that jeopardize the effectiveness of resource deployment
- Nonintegrated systems that produce disjointed information, undermine collaboration, and hamper decision making
- Dependence upon manual efforts and custom-coded software for reporting and analytics, driving up the cost of deployment planning

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## Supported Business Processes and Software Functions

- **Force deployment planning** – Access complete, real-time information and analytics for end-to-end deployment planning in an integrated environment designed for collaboration
- **Resource and requirements analysis** – Evaluate the availability and readiness of resources by viewing each organizational element (such as a tank, squadron, or warfighter) linked to the personnel, equipment, supplies, and cost needed to deploy it
- **Decision support** – Combine what-if drills and simulations with complete resource visibility to enable timely, effective deployment decisions

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## Benefits

- **Improved responsiveness** by gaining visibility into the availability and readiness of all personnel, equipment, supplies, and resources needed for a successful deployment
- **Collaborative planning environment** that facilitates communication among all stakeholders, even in the case of multiservice or multinational deployments
- **Adaptable organizational structure** with the flexibility to handle any deployment challenge at a moment's notice
- **Rapid decision making and increased responsiveness** supported by horizontal system integration and interoperability
- **Improved efficiency and lower total cost of ownership** by automating deployment planning with standard software

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## For More Information

Call your SAP representative or visit us online at [www.sap.com/industries/defense-security/index.epx](http://www.sap.com/industries/defense-security/index.epx).

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