



Maximising the effectiveness of national defence forces

The route to accelerated planning and timely decision-making

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Introduction

Defence forces must be adaptable and responsive with the ability to shift emphasis rapidly between prevention, deterrence, protection, and intervention. The nature of contemporary conflict and the increasingly complex demands placed upon the military, as well as national security agencies, will continue to place a premium on the efficient management and swift exploitation of information.

The delivery of military capability broadly follows a five-point process: define, plan, generate, employ, and evaluate. The process is continuous and relies on data from a variety of sources to ensure the successful use of land, sea, air, and joint forces. Allocate OneView is designed to support the processes that deliver military capability by optimising force structures and preparing and generating forces for deployment through the efficient scheduling of activity.

Allocate OneView is unique and is designed specifically to deliver Enterprise Resource Planning (ERP) by breaking down the barriers between isolated silos of information in order to accelerate planning and significantly improve timely decision making.

It all starts with data....

In today's contemporary operating environment, timely decisions ultimately depend on having the right information in the right place at the right time.

Allocate OneView can draw on and use data from existing or legacy systems to interface with Enterprise Resource Planning (ERP), Human Resource (HR) and other enterprise solutions. The data is collected to populate 5 principal data sets that are key to maximising military effectiveness:

Data Set	Maximising Effectiveness
Personnel	
<ul style="list-style-type: none"> Numbers and records for Active (Regulars), Reserves and Defence Civilians Individual competences and skill sets Assignments and roles Appraisal and performance reviews Training records Medical information Diversity statistics 	<ul style="list-style-type: none"> Accurate manpower planning Enhanced professional and personal development Precise forecasting of individual training requirements Better utilisation of specialist skills Timely assignments and deployments Improved retention Accurate assurance reporting
Equipment	
<ul style="list-style-type: none"> Numbers and types Scales and holdings Location and condition Serviceability and availability Modification 	<ul style="list-style-type: none"> Timely and cost-effective procurement of new equipment Efficient through-life management Timely repair scheduling Improved Health & Safety compliance
Logistics	
<ul style="list-style-type: none"> Scales and holdings Inventory and spares management Location and condition 	<ul style="list-style-type: none"> Accurate sustainability planning Tighter inventory management Better control and disposal of inventory Enables 'just in time' logistics
Force Elements	
<ul style="list-style-type: none"> Force package composition Collective training levels Sustainability levels Deployability lead times Readiness requirements 	<ul style="list-style-type: none"> Collective training achievement Enhanced sustainability planning Improved deployments and commitments planning and management Quicker task organisations Efficient management of readiness and deployment cycles
Finance	
<ul style="list-style-type: none"> Budget allocation Cost capture Asset register Output costing 	<ul style="list-style-type: none"> Improved resource controls Better matching of costs to outputs Accurate future forecasting Enhanced auditing processes

Allocate OneView can draw on data from existing systems and interface with ERP, HR, and other enterprise solutions.

Sophisticated data set analysis to optimise structures and efficiently schedule activity

Allocate OneView visualises and helps optimise the full spectrum of functions from force planning, through force preparation and force generation, to deployment, sustainability, and recovery. Commanders and staff can quickly assess the impact of operational changes and take remedial, costed action to ensure forces are properly trained, equipped, and supported. The ability to optimise force structures and activities in one single solution from existing data, with known provenance, in near real time is a step change in the way military capability is scheduled. Working from a single source of the truth reduces duplication and enables accurate assessments for informed decision making.

Allocate OneView releases the potential to:

- Conduct time-based force structure management
- Actively manage and refine readiness, commitments and operational deployments
- Perfect the employment of personnel, equipment and logistics
- Visualise outputs against time
- Carry out shortfall and gap analyses
- Ensure resource consumption is matched to activity
- Forecast resource demands
- Track changes in resource requirements over time
- Undertake cost benefit analyses.

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Accelerating planning and significantly improving timely decision making

The complexity of the contemporary operating environment and the need to plan numerous contingent operations and deployments simultaneously is an onerous task. The use of standalone spreadsheets can no longer cope with the volume and complexity of data required by today's military planners. The Allocate OneView software solution enables planners at different levels of command to share and analyse information collaboratively to ensure force elements can deliver mission success.

Meeting national defence outputs, delivering mandated military tasks, and reacting swiftly to immediate operational issues all demand responsive and well-informed decisions. Allocate OneView can exploit information to provide commanders and staff with an aggregated, synchronised, costed and up to date view of the full spectrum of military activity. The ability of Allocate OneView to capture critical and time sensitive information by providing a single holistic view that can be presented in meaningful ways greatly assists military decision makers.

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Allocate OneView is the ultimate Decision Support Tool providing:

- User configured dashboards
- Analytics and reporting
- Improved efficiency and performance
- Increased cost effectiveness
- Post operational evaluation
- Accelerated, timely and informed decisions

Allocate OneView is offered as a complete package and can be delivered as either a web-based software-as-a-service (SaaS) product on a private cloud or installed on secure Defence infrastructure for enterprise-wide use. It has a highly sophisticated security and authority model that enables maximum interaction by users, while ensuring comprehensive data security. Allocate OneView is highly configurable and scalable with a dashboard facility to ensure all data can be aggregated and manipulated into a user-friendly format.

Conclusion

Allocate OneView will work with existing and legacy databases and offers a cost-effective solution to optimise force structures and prepare and generate forces for deployment through the efficient scheduling of activity. It allows users to understand the full implications to changes in force elements and associated activity to deliver a clear understanding of the relationships between activity, resource requirements and costs.

Allocate OneView is designed to significantly enhance Information Management and Information Exploitation and is tailored for use by military planners and decision makers facing complex operational and capability management challenges. The outcome for the military user is straightforward – the ability to understand, resource, schedule and cost complex elements of capability, quickly, efficiently, and flexibly.

Earlier versions of Allocate OneView are already in service with the Australian Defence Force, with NATO's Allied Command for Operations (ACO) and Special Operations Forces (SOF) HQs and with the UK Royal Fleet Auxiliary. Conclusion

About this paper:

This is one of a series of papers exploring key business issues faced by complex organisations in resource scheduling and discussing the ways in which Allocate OneView can help address these challenges.

To find out more about any of the topics discussed in this report, please email: marketing@allocatesoftware.com
