

Defense ERP overview by country

A snapshot of defense ERP utilization and future developments around the world. This is not an exhaustive list but is simply a collection of known components provided for the purposes of illustrating the complexity of ERP systems.

Australia: reducing cost and complexity and enhancing financial accountability

ERP solution	Defence business	Description
Military Integrated Logistics Information System (MILIS)	Logistics	<ul style="list-style-type: none"> — 9,000+ users in 160 locations, managing demands, purchasing, warehousing, distribution and inventory maintenance — Tracking 650,000 types of equipment; over US\$9 billion, supporting operations in the Middle East, East Timor and the Solomon Islands — Integrated capability across 100+ logistic information systems — Based on military off-the-shelf Mincom Ellipse system. Core software complemented by interfaced applications including: Defence-built CENCAT (NATO cataloguing and codification), NAVALLOW (Navy allowance management), CVS (cargo visibility), and commercial systems: AIMS (inventory optimisation software) and SLIMS/AMPS (shipboard inventory management) and aviation maintenance Computer Aided Maintenance Management System (CAMM2) — Withdrawal of vendor support is driving wholesale rationalization of current environment
SAP	Facilities management	<ul style="list-style-type: none"> — Estate and facilities provided by a SAP environment — The ADF estate is a vast, geographically dispersed, absorbing large proportion of support and infrastructure costs.
PeopleSoft	HR and Payroll	<ul style="list-style-type: none"> — HR functionality currently being upgraded, with tech refresh and re-hosting away from mainframe — Later phases targeting business intelligence and payroll integration, removing aging, in-house legacy payroll application.
SAP	Warehouse management	<ul style="list-style-type: none"> — Wholesale inventory management contracted out to Australian Logistics and freight company Lynfox — Lynfox conducts warehouse management system (WMS) function on SAP software identical to its own — Application currently being interfaced to the greater MILIS environment

Australia: (continued)

ERP solution	Defence business	Description
SAP	Finance and reporting	<ul style="list-style-type: none"> — SAP financial management system (ROMAN) includes 451 controls (105 critical) — Each control documented and will be updated for latest software releases — ROMAN based on SAP R/3 application, covers corporate accounting and reporting, used in Australia, Washington and London — Primary budgeting and financial reporting tool BORIS (based on SAP Strategic Enterprise Management and Business Warehousing applications) enables input of Group budget data and the development of consolidated Defense budgets — BORIS is spreadsheet-based for output, financial statement, monthly variance and expenditure aggregation — ROMAN interfaces with greater MILIS environment and other major applications.

Canada: reducing cost and complexity and integrating existing environments

ERP solution	Defence business	Description
Defence Resource Management Information System (DRMIS)	Logistics, Finance and Maintenance	<ul style="list-style-type: none"> — Defence Resource Management Information System (DRMIS) used by Department of National Defence (DND) and contractors to support operations and training — Material and financial system of record; also reports performance — Supported via In Service Support (ISS) contract to augment Canadian Armed Forces (CAF) support teams, and expand DRMIS — CAF transitioning from separate environments to streamline processes, cost and complexity generated by legacy CFSS inventory system, MASIS maintenance and financial environments — DRMIS is complex SAP implementation, with 20,000+ users in Canada, on navy vessels, and abroad — Plans to further rollout DRMIS for property and maintenance management of additional fleets, and other expansion initiatives, ensuring continuity of support.
PeopleSoft	HR	<ul style="list-style-type: none"> — Utilized for HR functionality, integrated with legacy payroll system — Programs to upgrade and refresh entire HR and Payroll capability.

Denmark: producing sustainable, integrated solutions

ERP solution	Defence business	Description
DeMars (SAP) ERP	All branches (Navy, Army and Airforce)	<ul style="list-style-type: none"> — Wall-to-wall ERP solution including purchase of assets and consumables; life cycle asset maintenance; all related logistics, organizational structures, personnel management, financial and cost accounting — Solution includes most of SAP modules: Funds Management (FM), Cost Controlling (CO), Asset Management (AM), Financial Accounting (FI), Human Resource Management (HR), Plant Maintenance (PM), Material Management (MM); Sales & Distribution (SD) — Developed continuously but main elements in place since 2004.
DeMars (SAP) BI	All branches (Navy, Army and Airforce)	<ul style="list-style-type: none"> — Business intelligence solution based on SAP Business Information Warehouse technology — Data warehouse with data from most elements from DeMars ERP solution; reporting across all modules — Central reports maintained and governed centrally; needs to develop ad hoc reporting at end user level.

Bundeswehr: developing new capabilities and modernizing the total logistics function, via a 10-year program to better meet Germany's military objectives

ERP solution	Defence business	Description
SAP	All Defense business areas including Finance, Logistics, Infrastructure and Reporting	<ul style="list-style-type: none"> — HERKULES project involves Siemens and IBM — Data centers, software & applications, PCs, telephones, voice & data networks being modernized — Includes maintenance & support of desktop software, SAP software as large-scale, back end, web-based applications belonging to intranet, and communication programs such as Lotus Notes — PKI (Public Key Infrastructure) will ensure documents sent electronically comply with signature and encryption regulations — Siemens will operate and modernize decentralized systems at more than 1,500 German locations, including 140,000 PCs, 7,000 servers, 300,000 fixed-network telephones and 15,000 mobile phones — Siemens also manage local and inter-regional data & voice networks.

UK Ministry of Defence (UKMOD): modernizing logistics, acquiring deployable architecture and reducing cost and complexity

ERP solution	Defence business	Description
Oracle	Inventory management	<ul style="list-style-type: none"> — Logistics capabilities use Oracle applications and technology — Industry Systems integrator working through the modernization program.
IFS	Maintenance	<ul style="list-style-type: none"> — James program commissioned development of IFS based maintenance system — Land environment maintenance rolled out, with ongoing consideration for aviation maintenance.
Oracle	HR	<ul style="list-style-type: none"> — E-Business Suite (EBS) HR sits across much of HR, including the Atomic Weapons Establishment
Oracle	Finance	<ul style="list-style-type: none"> — EBS finance sits across much of finance and procurement organizations.

US Department of Defense (USDOD): increasing capability, reducing cost and complexity, achieving deployable architectures and force readiness and enhanced security

ERP solution	Defence business	Description
SAP	US Navy (USN) Inventory and Maintenance	<ul style="list-style-type: none"> — Logistics has extensive SAP environment across Naval Sea Systems Command (NAVSEA), Naval Supply Systems Command (NAVSUP) and Naval Air Systems Command (NAVAIR) — Extensive 3rd party applications in dockyards and maintenance depots; ongoing integration across the organization — Introduction of F-35 Joint Strike Fighter (JSF F-35) will see OEM vendor managed system (Autonomic Logistics Information System (ALIS)) for platform supply, logistics and reporting.
Oracle	US Marine Corps (USMC) Inventory	<ul style="list-style-type: none"> — Moved from ERP to a Global Combat Support System (GCSS), to run on its deployed tactical communications network — System incorporates technology disrupters, with data moved to middleware layer to allow store, forward and synchronize capabilities for disrupted/disconnected communications — Ongoing modernization and cloud adoption.

US Department of Defense (USDOD): (continued)

ERP solution	Defence business	Description
Oracle	US Air Force (USAF) Inventory	<ul style="list-style-type: none"> — Aiming to modernize and align all logistics and maintenance operations — Expeditionary Combat Support System (ESS) program broken into smaller components — First phase of new modernization program underway at commodity level — Air Force also introducing ALIS application for JSF F-35.
SAP	USARMY	<ul style="list-style-type: none"> — Many legacy applications within logistics and finance; operational core element is GCSS (SAP) — Force Readiness reporting and decision support improving under Army Force Generation (AFORGEN) program, with service-oriented architecture (SOA) for real-time data analysis and reporting across most applications.
Oracle	Financial management across most DoD business entities	<ul style="list-style-type: none"> — Oracle system draws all GLs together from multiple finance systems (SAP, Oracle, Peoplesoft, etc) to DoD level — Utilizes Oracle for the consolidation and analysis of all DoD financial management, payroll and reporting — Significant ongoing modernization and rationalization.
Peoplesoft	HR Management across most DoD business entities	<ul style="list-style-type: none"> — HR functionality, payroll, recruiting and Veteran Affairs functions executed within each of the Services, National Guard and US Coast Guard — Ongoing modernization involves rationalization of multiple systems.
SAP	Defense Logistics Agency (DLA)	<ul style="list-style-type: none"> — SAP core system with bespoke warehouse management and distribution system.

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