Future acquisitions For the Norwegian Armed Forces 2012-2020

June 2012

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1. Introduction

The long term planning process outlines the continuous development of the Norwegian Armed Forces with respect to organisation, infrastructure (garrisons and bases), personnel (numbers, composition and qualifications) and materiel (existing equipment and new acquisitions). This process is carried out under the direction of the Royal Norwegian Ministry of Defence. The Long Term Plan – Materiel forms the basis for all materiel procurements in the short term (4-5 years), the medium term (5-10 years) and the long term perspectives (10-20 years). It is updated annually to reflect updates stemming from changing requirements, available resources and progress in on going acquisitions.

The Government recognises the vital role that the defence industry plays in support of the armed forces' capabilities. This role ranges from the provision and maintenance of military equipment to the delivery of a wide range of support services. The government's policies are laid down in a report to Parliament (*St.mld. nr. 38 (2006-2007) Forsvaret og industrien – strategiske partnere*) which outlines the guidelines for developing the strategic partnership between industry and the Armed Forces.

The overarching principle is that the cooperation must accommodate the Armed Forces' requirements. Once this condition is met, the Armed Forces' materiel acquisitions and use of support services shall provide opportunities for Norwegian industry to remain competitive in an imperfect market place (where normal competition does not exist). This will contribute to national value creation and highly skilled employment opportunities, while at the same time ensuring access to critical knowledge, expertise, materiel and services. Interaction between the Armed Forces and industry will also strengthen research and development at government and private institutions.

One of the main elements in the strategy is an early dialogue between the Armed Forces and industry, including communication of short term and long term materiel requirements. In the report to Parliament, it is clearly stated that the MoD will work towards ensuring that the Armed Forces and the industry share information about industrial opportunities related to the Armed Forces' planned acquisitions at the earliest possible time. The cooperation shall be based on existing materiel plans.

A central feature in the annual updating of the Long Term Plan – Materiel is the preparation and publication of an unclassified overview of long term materiel requirements. This publication does not examine each planned project in detail but is intended to create opportunities for in depth discussions between the Armed Forces and industry. In this way industry can get an early insight into potential materiel investments. The aim is to maintain highly skilled companies that individually or in cooperation with others, are able to support the needs of the Armed Forces. Having a

proven and highly skilled industry is also fundamental for being able to compete in the international defence market that in many ways remains a closed one.

The Armed Forces' materiel investment projects are subject to decisions and approval either by the MoD, or the Parliament for projects exceeding NOK 500 million.

The projects listed in this publication are not formally approved for implementation. It is emphasised that any project not yet formally approved may subsequently be terminated or changed without any further explanation or liability.

Details relating to a small number of classified and sensitive projects are being withheld.

Approved projects will not be addressed in this publication. Information about major projects in this category can be found, among other places, on the home page of the Norwegian Defence Logistics Organisation (NDLO).

This document features on the Armed Forces' section of the website http://www.regjeringen.no as an electronic document and will not be published in paper format. In light of the statutory objectives and principles of procurement regulations, regarding competition and equal treatment, it was also decided to prepare an English version.

2. Investments in the Defence Sector

The Defence Sector is made up of the Royal Norwegian Ministry of Defence and its subordinate bodies; the Norwegian Armed Forces, the Norwegian National Security Authority, the Norwegian Defence Estates Agency and the Norwegian Defence Research Establishment. All materiel investments in the Defence Sector are decided by the MoD, and subordinate bodies execute the planning and procurements according to existing procedures. An important tool is the PRINSIX project model that describes phases, decision points and roles/responsibilities. This project model ensures a uniform execution of materiel procurements. The MoD has established several investment programmes to oversee and provide guidance through all the phases related to materiel procurements.

Projects are typically conceived in two ways. One is the top down approach which to a large extent deals with the major weapon systems resulting from strategic planning processes. The second is the bottom up approach which to a large extent deals with smaller requirements typically initiated by the services and users. At the early stage, the proposals are known as Project Ideas which are assessed by the relevant investment programme. If the investment programme finds the Project Idea to have merit, it is subsequently recommended to the MoD and further pursued and developed into a Tentative Project. This is the first formal decision point. Depending on the scope of the project, a conceptual study may be launched at this stage. In practice, smaller projects go directly to the next phase that is described below.

In a conceptual study alternative concepts are assessed with respect to how capability requirements can be resolved in conceptually different ways. The outcome of a conceptual study is submitted in a document referred to as a Conceptual Solution. This document forms the basis for the decisions that will be made at the end of this phase. In addition to being a central decision-making document, the document is also pivotal to the mandatory external quality assurance in accordance with guidelines from the Royal Norwegian Ministry of Finance for projects exceeding NOK 750 million.

Once the Conceptual Solution is approved, the project moves into the next phase which is the detailed planning process leading up to the approval of the acquisition of the materiel in question. During this phase the project is referred to as a Planned Project. Important outcomes of this planning phase are scope, procurement strategy, timelines and contractual provisions.

Major materiel acquisitions with a scope exceeding NOK 500 million require approval from Parliament. Projects with a lower scope are approved by the MoD.

Once a project has been approved for implementation, MoD sends out an Implementation Order, normally to the Norwegian Defence Logistics Organisation. A project in this phase is referred to as an Approved Project.

3. Main focus areas

3.1 Materiel acquisitions during the period 2012-2015

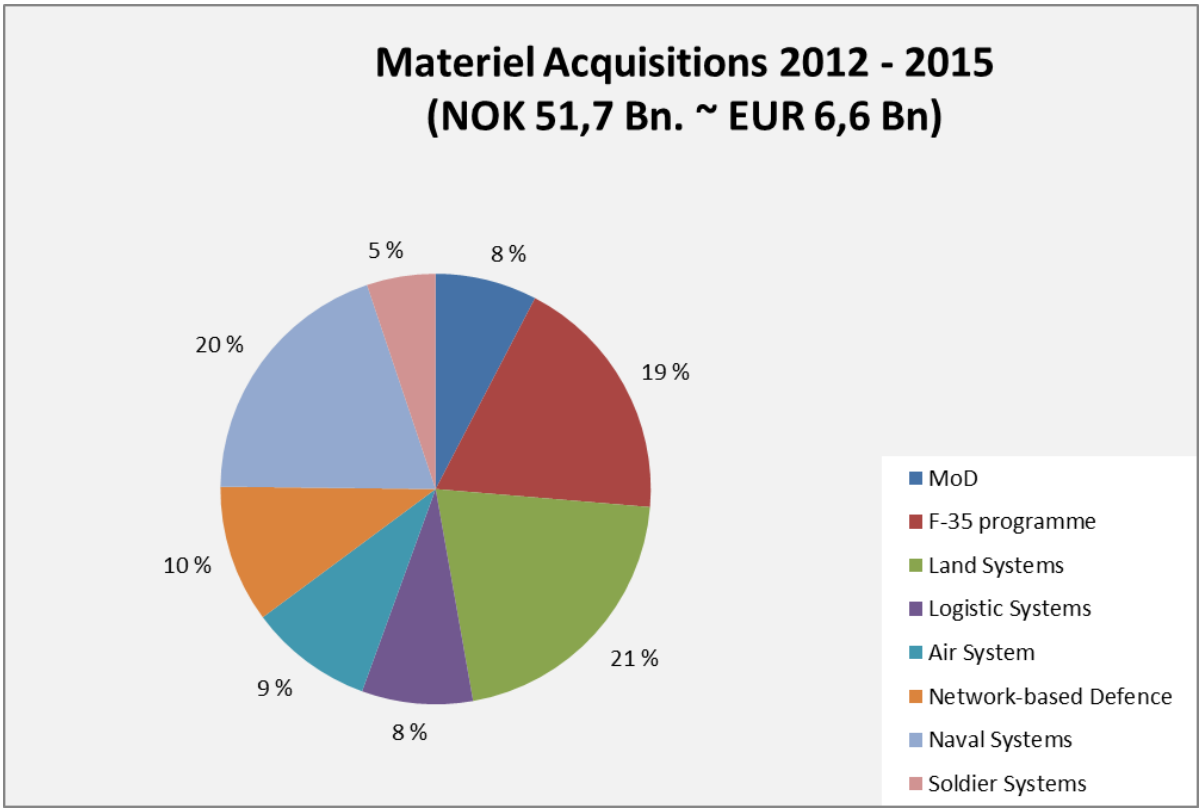

Figure 1- Acquisitions broken down by programme during the period 2012-2015. The MoD allocates funds for preliminary project work, R&D and other supporting activities. Amounts are in billions NOK.

The period 2012-2015 is dominated by the on-going acquisitions and upgrades to the capital ships of the Royal Norwegian Navy:

- Final delivery of the Fridtjof Nansen-class frigates is completed with subsequent work-up towards full operational capability.
- Delivery of the Skjold-class coastal corvettes is planned to be completed in 2012 with a gradual entry into service.
- Delivery of NH90 maritime helicopters for the frigates and the Coast Guard.
- The Ula-class submarines are undergoing upgrades throughout the period.

Significant resources are also being allocated towards new armaments for the Navy:

- Delivery of the Naval Strike Missile (NSM) for the frigates and the coastal corvettes will take place.

- New anti-submarine torpedoes for the frigates are under procurement. The torpedoes are also intended for use by the frigate helicopters and the maritime patrol aircraft.

Access to strategic air transport is ensured by continued participation in the multi-national programme with access to three C-17 transport aircraft. The C 130J tactical transport aircraft have been delivered. Subsequent upgrades of the aircraft are planned in order to maintain a common configuration with major users of the system.

The procurement of light, armoured vehicles continues. The vehicles are a top priority with respect to force protection, especially during international operations.

The acquisition of the Archer artillery system continues in cooperation with Sweden. Armoured combat and reconnaissance vehicles are planned for delivery during the period 2012-2016.

Force protection and medical services are important priorities in operations abroad. To accommodate these requirements, a number of procurements are both on going and planned during the period.

Network-based defence is a priority, and a number of projects are being planned to implement this capability. At the same time it is necessary to maintain existing systems in order to ensure that critical services are delivered.

3.2 Main focus areas for the period 2016-2020

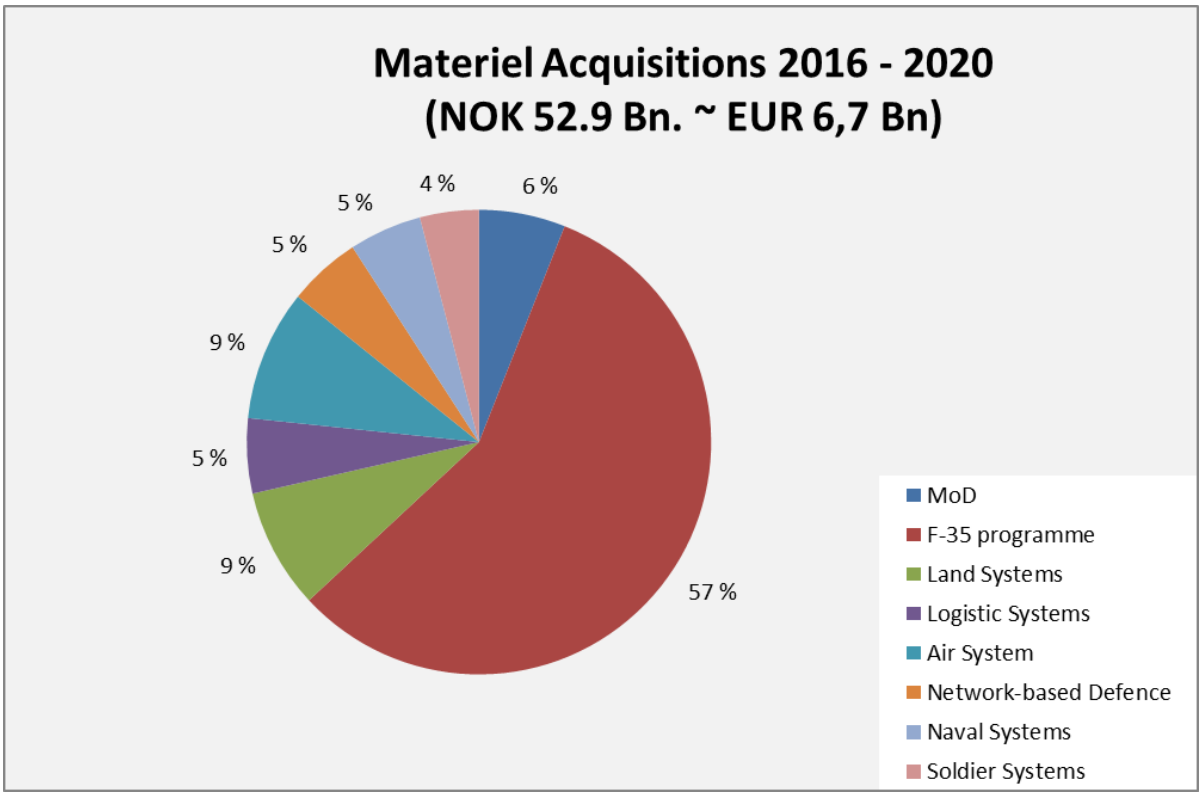

Figure 2- Acquisitions broken down by programme during the period 2016-2020. The MoD allocates funds for preliminary project work, R&D and other supporting activities. Amounts are in billions NOK.

The bulk of the investment activity during the period 2016-2020 will shift from Naval Systems to Air and Land Systems. The delivery of the F-35 combat aircraft is planned with an initial delivery of training aircraft in 2015, followed by the main deliveries during the period 2017-2024.

Deliveries of the Naval Strike Missile (NSM) for the frigates and the coastal corvettes will be completed. A new logistics support ship is planned to be delivered in 2015.

The acquisition of armoured combat and reconnaissance vehicles will be completed.

Force protection and medical services are important priorities in operations abroad. A number of procurements yet to be defined are expected during the period.

Network-based defence is a priority, and a number of projects are being planned to implement this capability. At the same time it is necessary to maintain existing systems in order to ensure that critical services can be delivered.

3.3 Land Systems

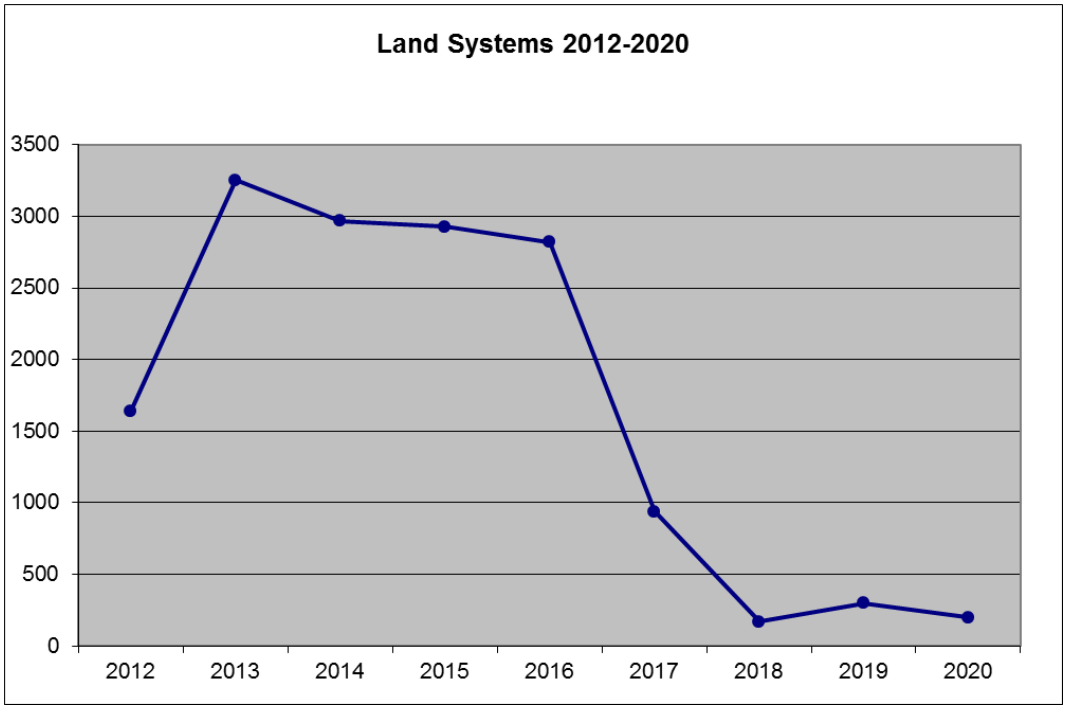

Figure 3- Annual allocation of funds (NOK mill.)

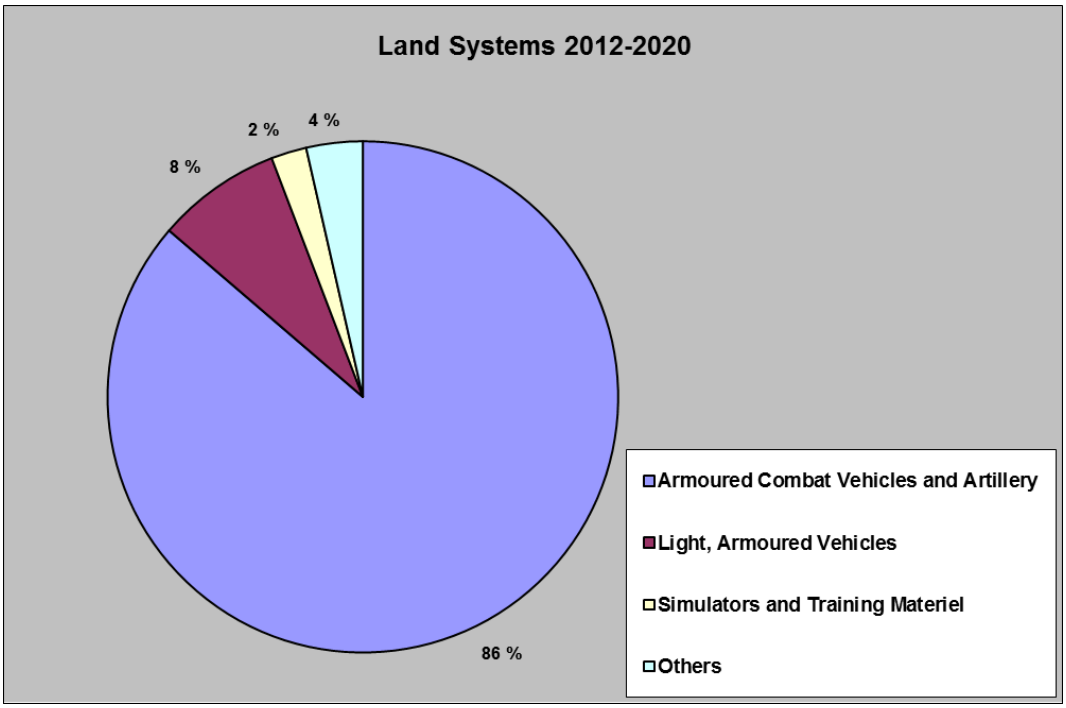

Figure 4- Allocation of funds per main category.

The bulk of the investments within the Land Systems Programme are:

- Combat vehicles and artillery (medium-weight, standard armoured vehicles, armoured reconnaissance systems, and artillery in collaboration with Sweden).

- Light armoured vehicles will be procured throughout the period. It will be necessary to replace this type of vehicles frequently due to high wear and tear during operations abroad.

- Simulator and training materiel include the upgrading of the battle simulator, materiel for the Army's tactical training centre and fire-control simulator system.

- Other investments include M-113s, various types of remotely operated weapon stations for vehicles, MLU SISU plus a number of smaller investments.

3.4 Naval Systems

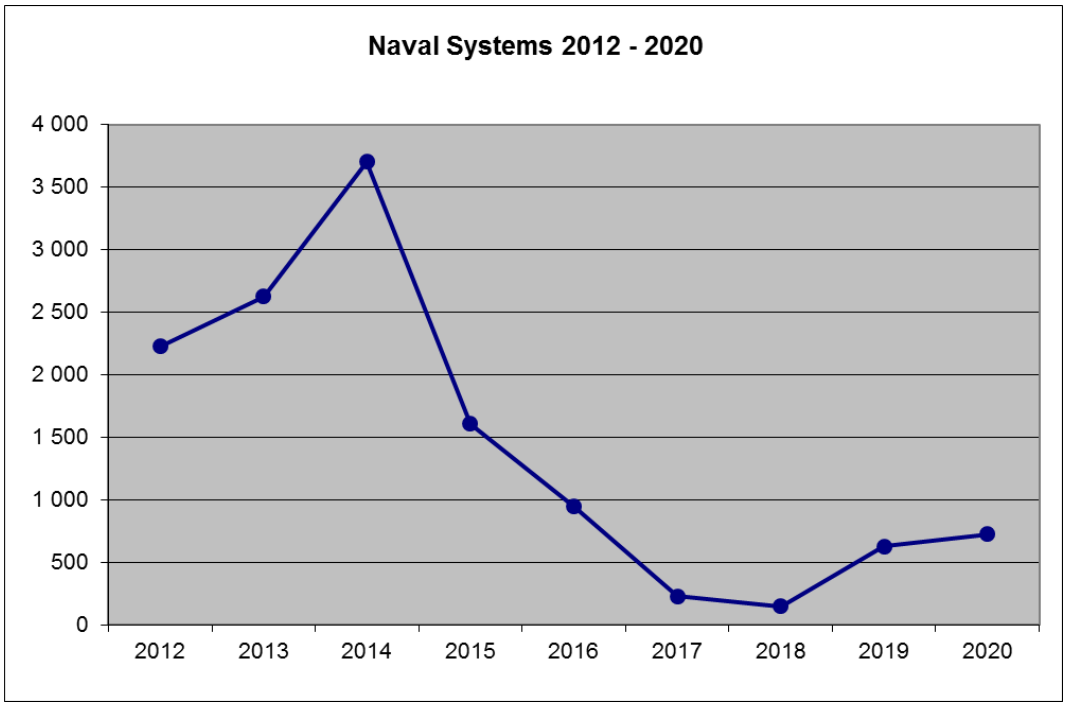

Figure 5- Annual allocation of funds (NOK mill.)

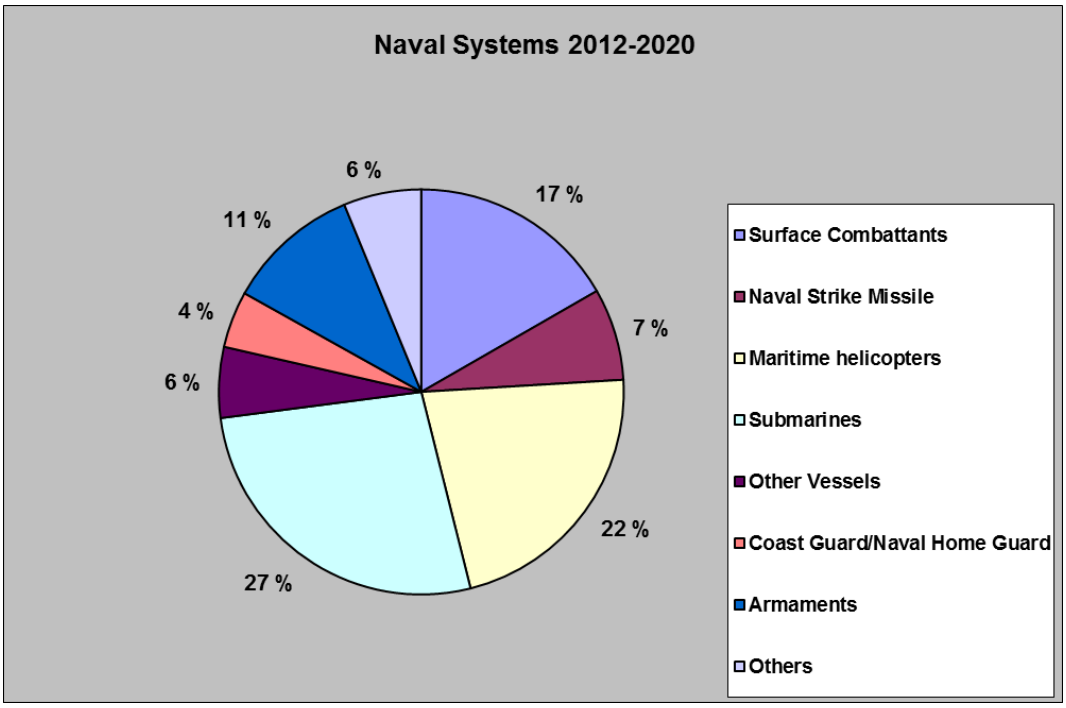

Figure 6- Allocation of funds per main category.

The bulk of the investments within the Naval Systems Programme are related to the completion of the acquisition programmes of new capital ships and related weapon systems. In addition, existing systems are undergoing significant upgrades:

- Final delivery of the Fridtjof Nansen-class frigates with subsequent work-up towards full operational capability.
- Deliveries of the Skjold-class coastal corvettes are planned to be completed in 2012 with a gradual entry into service.
- Deliveries of NH90 maritime helicopters for the frigates and the Coast Guard.
- The Ula-class submarines will be undergoing upgrades throughout the period.
- New lightweight torpedoes for frigates, helicopters and maritime patrol aircraft.
- A number of minor procurements for the Coast Guard.

3.5 Air Systems

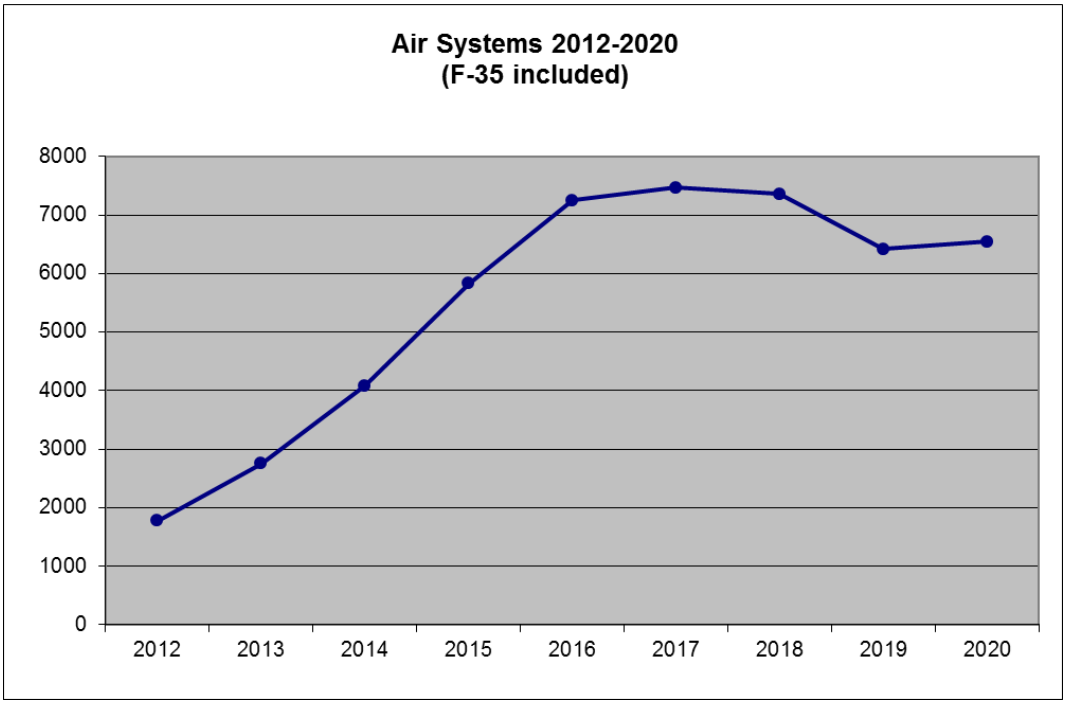

Figure 7- Annual allocation of funds (NOK mill.)

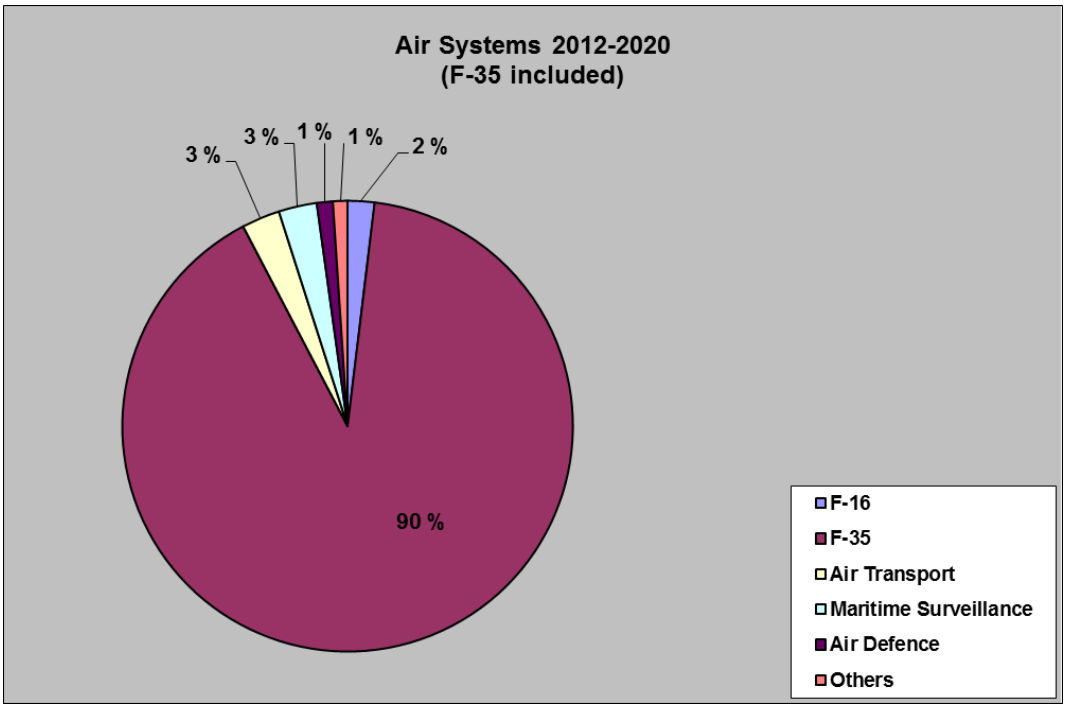

Figure 8- Allocation of funds per main category.

The bulk of the investments within the Land Systems Programme are:

- Maintaining the F-16 as a first line combat aircraft until it is phased out towards the end of the decade. In order to ensure that the capabilities are maintained, there are a number of projects related to upgrades of the aircraft systems, capability improvements and airframe upgrades. Preparations for the acquisition of the F-35 combat aircraft are in progress. According to the current plan an initial delivery of training aircraft will take place in 2015, followed by the main deliveries during the period 2017-2024.

- Several upgrades of the P-3C/N Orion maritime patrol aircraft are on-going.

- Replacement of air surveillance radars and required contributions to NATO Airborne Early Warning and Control Force (NAEW&C Force)

- Participation in the planned acquisition of a NATO owned and operated airborne ground surveillance capability – Alliance Ground Surveillance (AGS).

3.6 Soldier Systems

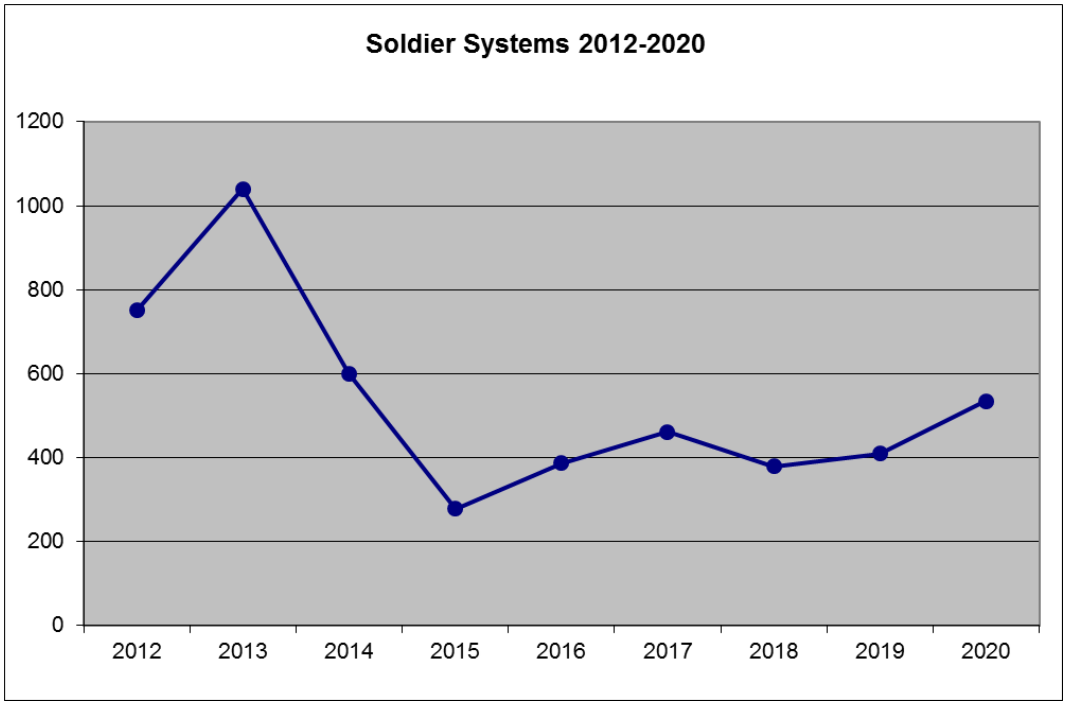

Figure 9- Annual allocation of funds (NOK mill.)

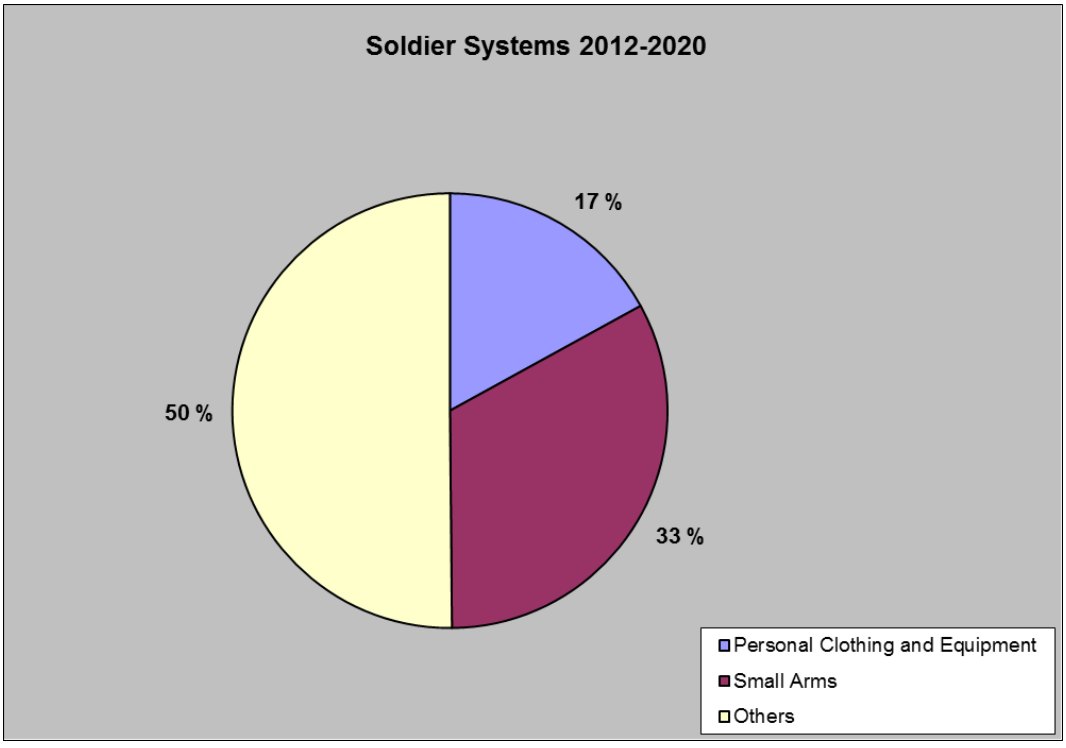

Figure 10- Allocation of funds per main category.

The Soldier Systems Programme is planning the acquisition of a number of individual items within a wide range of projects.

Particular emphasis is placed on procurements of different types of personal weapons. The procurement of personal clothing and equipment is on-going and is planned to continue throughout the period.

3.7 Network Based Defence

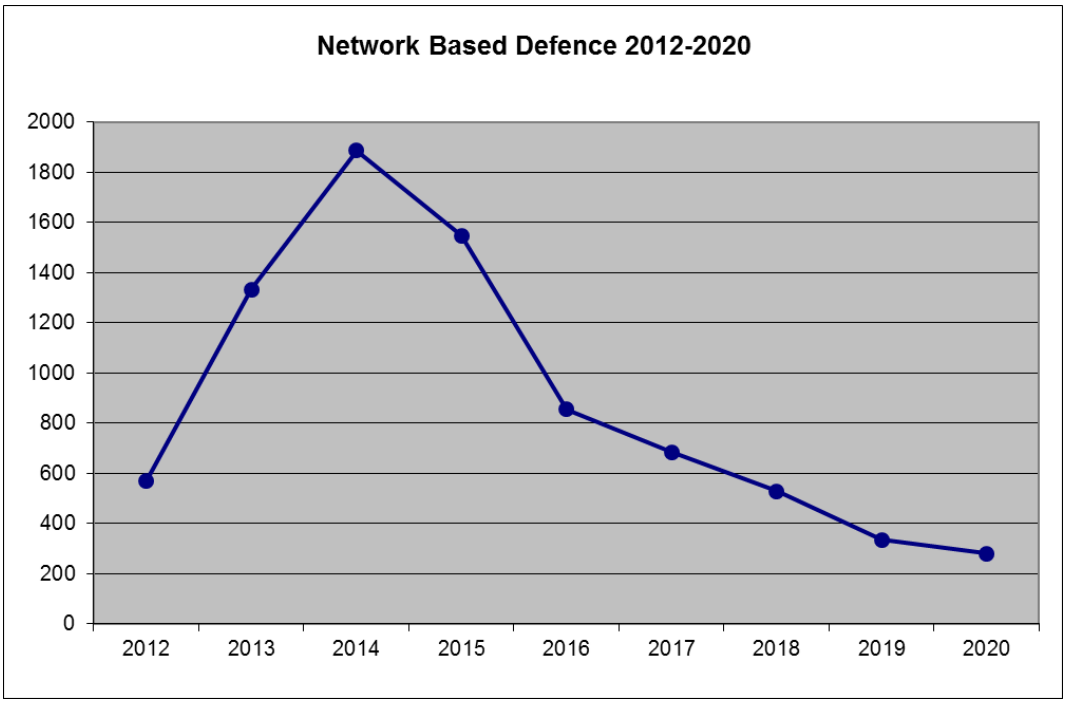

Figure 11- Annual allocation of funds (NOK mill.)

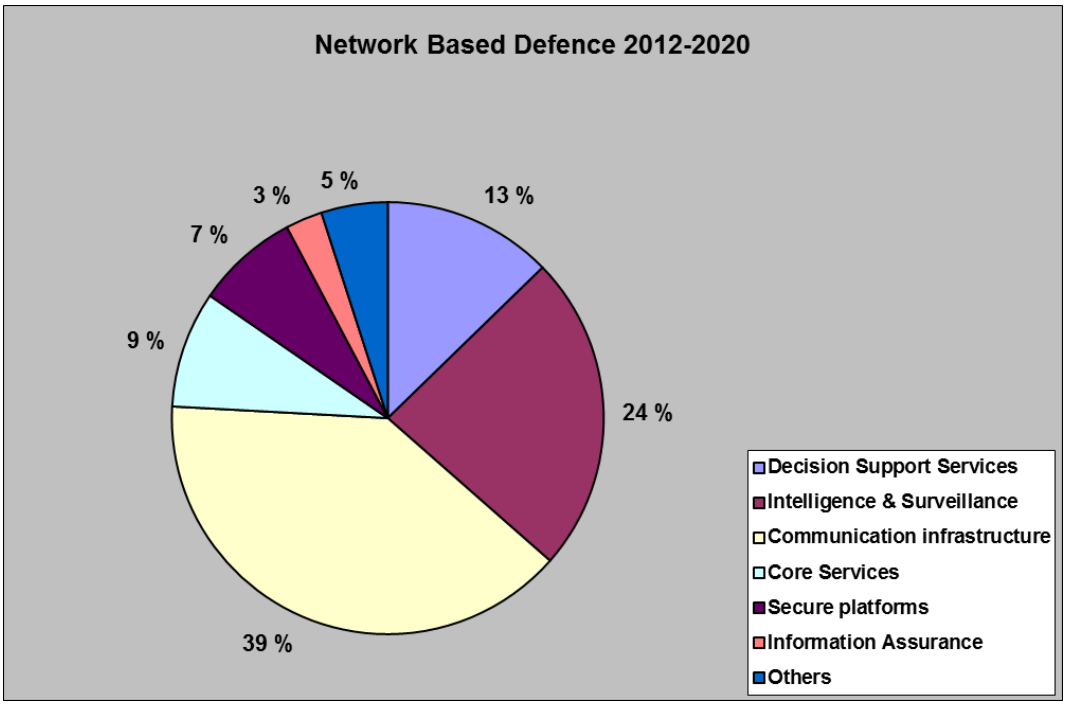

Figure 12- Allocation of funds per main category.

The Network Based Defence Programme is by nature a very complex programme that is divided into eight main parts –

- Decision Support Services
- Intelligence and Surveillance
- Communication Infrastructure
- Core Services
- Secure Platforms
- Information Assurance
- Information technology in infrastructure
- Others

The most significant acquisitions are related to:

- Projects related to capability building, typically picture compilation, communication and sensor development.
- Long range communications, including HF and satellite communications.
- Life extension of existing systems and acquisition of new tactical communications systems.
- Standardisation and reduction of a high number of individual systems.
- Decision support services.
- Secure platforms, including secure storage and communications for the mobile units.
- Network nodes for the tactical level.

3.8 Logistics Systems

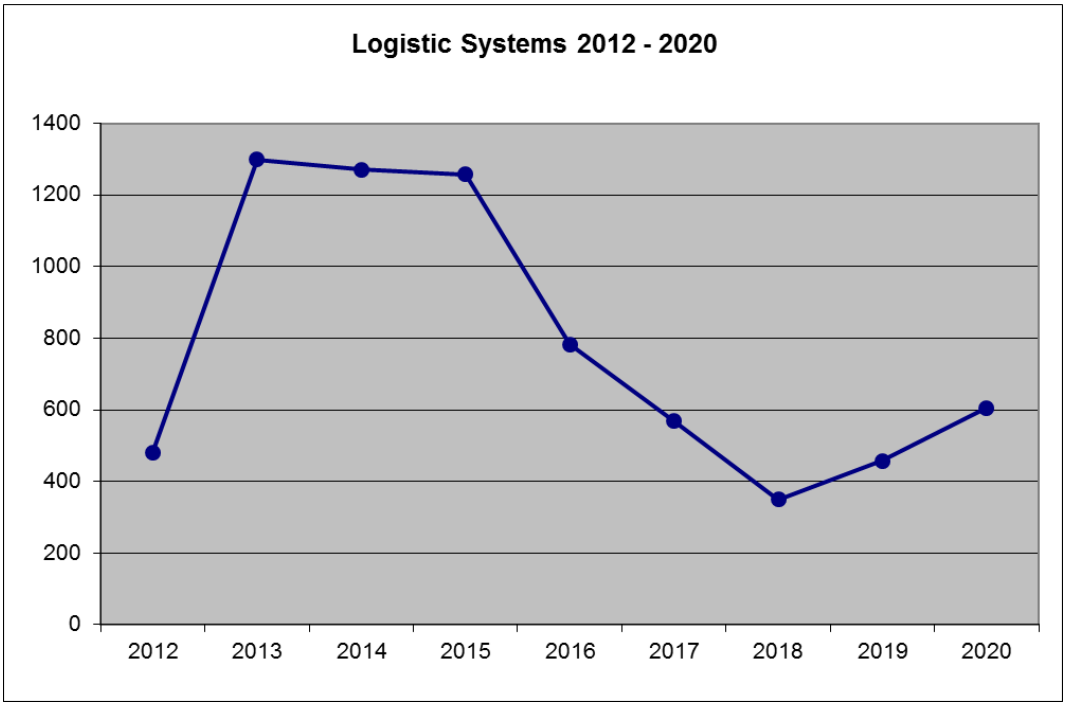

Figure 13- Annual allocation of funds (NOK mill.)

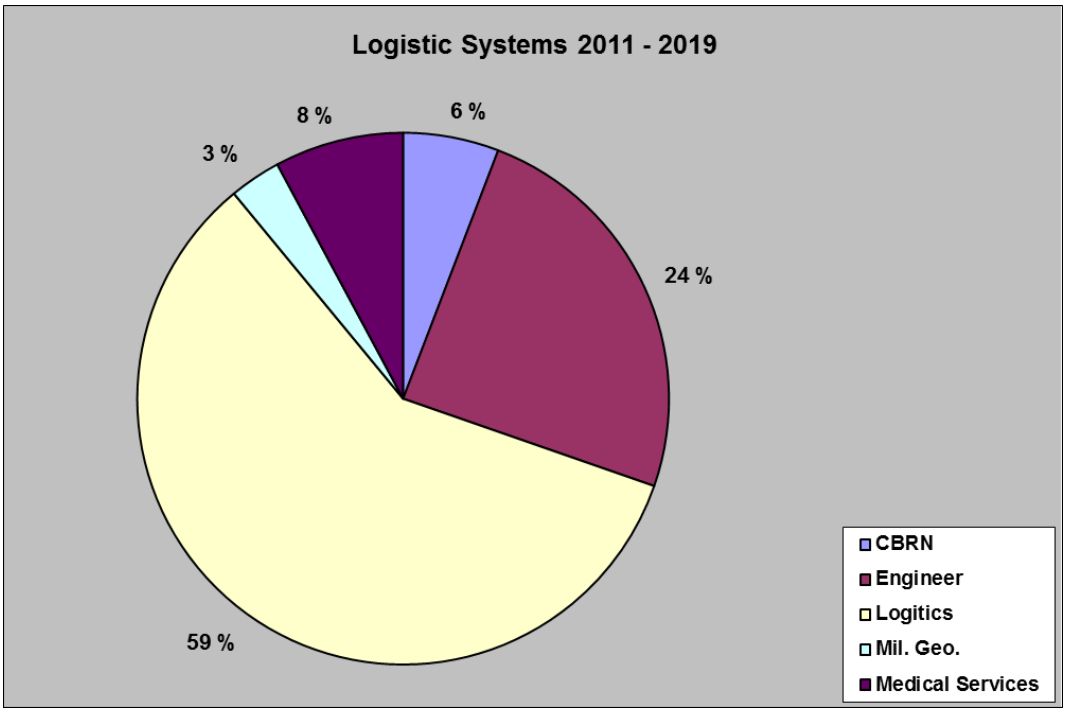

Figure 14- Allocation of funds per main category.

The bulk of the investments within the Logistics Systems Programme are:

Within the area of *CBRN*, the most important investments are related to armoured search and detection vehicles.

Within the area of *Engineer Support*, there is a focus on protection against improvised explosive devices (IEDs), EOD and various types of equipment for the support of operations abroad.

Logistics is focused on the planning process related to the procurement of a new logistics support ship. Additionally, there are on-going procurements in a number of minor projects.

Medical Services emphasises medical support, particularly in relation to operations abroad and the procurement of armoured ambulances.

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LAND SYSTEMS

Point of Contact:

Programme Manager Land Systems
Ministry of Defence
Telephone 23 09 80 00

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P 5005 – Life Extension of Mercedes-Benz Light Utility Vehicles

Background and overall objective:
The current fleet of light utility vehicles has been in use since the 1980s. The aim of the project is to extend the life of the vehicles until they are replaced around 2020.

Scope:
The scope of the project is under consideration.

Milestones:

Approved project:	2013
Contract:	2013-2014
Delivery completed:	2014

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Land Systems – Senior Adviser Bjørn Ryen

P 5006 – All-Terrain Vehicles and Snowmobiles

Background and overall objective:
In order to maintain mobility and endurance, light and flexible vehicles – all-terrain vehicles and snowmobiles are planned for acquisition.

Scope:
The number of vehicles and total scope of the acquisition is under consideration.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2015

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Land Systems – Senior Adviser Bjørn Ryen

P 5007 – Series Acquisition of Artillery Locating Radar

Background and overall objective:
A prototype of an upgraded artillery location radar is ongoing in a separate project. Following a successful evaluation of the prototype, a series acquisition is planned.

Scope:
The scope of the project is a limited number of radars according to the future artillery structure.

Milestones:

Approved project:	2015
Contract:	2016
Delivery completed:	2020

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Land Systems – Senior Adviser Bjørn Ryen

P 5008 – Safety Camera for Armoured Vehicles

Background and overall objective:
The mechanised units need a thermal camera for safe operations during darkness and for increased safety for dismounted personnel.

Scope:
The specific number of cameras that will be purchased will be decided during the planning phase of the project.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2014

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Land Systems – Senior Adviser Bjørn Ryen

P 5044 – Light utility vehicles (Home Guard)

Background and overall objective:
The aim of the project is to procure a number of light utility vehicles to the Home Guard to improve their flexibility and mobility.

Scope:
The scope of the project will be decided later.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2015

Cost estimate:
NOK 200 - 500 million

Point of Contact:
Programme Manager Land Systems – Senior Adviser Bjørn Ryen

P 8043 – New Tactical Radio

Background and overall objective:
The aim of the project is to renew tactical radios and possibly tactical level command and control system.

Scope:
Under consideration.

Milestones:

Approved project:	2018
Contract:	2019
Delivery completed:	2025

Cost estimate:
NOK 1500 - 3000 million

Point of Contact:
Programme Manager Land Systems – Senior Adviser Bjørn Ryen

P 8308 – Target Materiel for Shooting Ranges – Part 2

Background and overall objective:
The aim of the project is to procure target equipment for shooting ranges.

Scope:
The procurement shall cover the needs for electronic target systems for a variety of types of shooting ranges. The scope of the project may include target materiel for all Home Guard Districts.

Milestones:

Approved project:	2012-2013
Contract:	2014
Delivery completed:	2015

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Land Systems – Senior Adviser Bjørn Ryen

P 9243 – Land Based EW against Communication Systems

Background and overall objective:
The aim of the project is to modernize and upgrade electronic warfare equipment.

Scope:
Under consideration.

Milestones:

Approved project:	2014
Contract:	2015
Delivery completed:	2020

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Land Systems – Senior Adviser Bjørn Ryen

NAVAL SYSTEMS

Point of Contact:

Programme manager Naval Systems
Ministry of Defence
Telephone 23 09 80 00

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P 3011 – Upgrade of the 76 mm OTO Melara Gun

Background and overall objective:
The aim of the project is to upgrade the 76 mm OTO Melara guns for programmable ammunition.

Scope:
The scope of the project is to install a programming module and to make the necessary adaptations to the fire control systems on the Skjold- and Fridtjof Nansen-classes.

Milestones:

Approved project:	2012
Contract:	2012-2013
Delivery completed:	2014-2015

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P6004 – IFF for Naval Surface Ships

Background and overall objective:
The project shall procure new and upgrade existing IFF Systems to ensure interoperability according to NATO STANAGS.

Scope:
The scope of the project includes software and hardware solutions necessary to upgrade existing systems and to install IFF Systems on selected ships not yet equipped.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2015-2016

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6024 – Upgrade of the NSM Missile System Administrator

Background and overall objective:
The upgrade shall make it possible to exploit the full range of the missile's capabilities.

Scope:
Upgrade of computer software and map system.

Milestones:

Approved project:	2012
Contract:	2012
Delivery completed:	2015

Cost estimate:
NOK 100 - 200 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6086 – AEGIS COTS Baseline Update

Background and overall objective:
The project will update the AEGIS System of the frigates in order to maintain full operational capabilities. The project will be timed to coincide with upgrades carried out by other major users of the system.

Scope:
The upgrade includes new hardware and software solutions on board all frigates.

Milestones:

Approved project:	2013
Contract:	2013-2014
Delivery completed:	2017

Cost estimate:
NOK 500 - 800 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6094 – Remotely Controlled Surface Targets

Background and overall objective:
The aim of the project is to acquire remotely controlled surface targets.

Scope:
The remotely controlled surface target shall also include registration equipment and target materiel.

Milestones:

Approved project:	2012
Contract:	2012
Delivery completed:	2015

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6097 – Acquisition of a second Launcher VLS MK 41 for the Nansen-class Frigate

Background and overall objective:
The acquisition is intended to create redundancy and improve the self-defence capabilities.

Scope:
Five launchers, one for each ship.

Milestones:

Approved project:	2012
Contract:	2012
Delivery completed:	2017

Cost estimate:
NOK 300 - 500 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6240 – Upgrade of the Combat Information System for the Skjold-class

Background and overall objective:
Ensure that the Combat Information System remains up to date.

Scope:
Upgrade the software in the CIS based on experiences gained during the test and evaluation phase.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2015

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6346 – Submarine Capability post 2020

Background and overall objective:
The aim of the project is to maintain a submarine capability beyond 2020 as the current fleet of submarines reach the end of it technical and operational capability.

Scope:
The scope of the programme is not decided. Current evaluation of possible alternatives discusses a major refit of the Ula-class or the acquisition of a new class of submarines.

Milestones:

Approved project:	2017
Contract:	2018
Delivery completed:	2028

Cost estimate:
Under consideration

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6353 – Motor Upgrades of MCM Vessels

Background and overall objective:
The project shall provide engine components for the MCM vessels in order to support and maintain their operational capabilities.

Scope:
The scope of the project will be determined following a technical review of the vessels. It is expected that it will be necessary to acquire four complete power trains, including main engines and fan lifting engines. Auxiliary engines and some electronic materiel will supplement the upgrades.

Milestones:

Approved project:	2014
Contract:	2015
Delivery completed:	2015-2017

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6355 – Upgrade of the AGATE Consoles for the Alta-class Minesweeper

Background and overall objective:
The aim of the project is a hardware and software upgrade the acoustic minesweeping capability of the vessels.

Scope:
Under evaluation.

Milestones:

Approved project:	2017
Contract:	2018
Delivery completed:	2019

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6360 – IR Decoys for the Skjold-class

Background and overall objective:
The aim of the project is an upgrade of the self-defence capabilities of the Skjold-class.

Scope:
Under evaluation.

Milestones:

Approved project:	2017
Contract:	2018
Delivery completed:	2020

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6500 – Hugin AUV Procurement

Background and overall objective:
An effort to develop and implement an operational Autonomous Underwater Vehicle (AUV) capability in the Navy has been on-going since 1997. The effort has been formalized through R & D programs, where the Navy, NDRE and the supplier has worked closely and meticulously since the start of the program. The Hugin system will provide the Navy with a substantially enhanced capacity to provide seabed and underwater information.

Scope:
The project includes the acquisition of up to three complete AUV systems including the vehicle, systems for launching and recovery, acoustic link for positioning and control of the vehicle, as well as a tactical control system. The system is primarily intended to be installed on board the MCM vessels. It may be adapted to a flexible operational concept with the possibility of deployment on other types of vessels.

Milestones:

Approved project:	2012
Contract:	2013
Delivery completed:	2015

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6607 – Life Extension Programme MCM Vessels

Background and overall objective:
This project is not defined with respect to content and scope. The age of the MCM vessels will be such that a life extension programme most likely will be necessary. Contents and scope will be determined based on technical reviews of the vessels and their equipment.

Scope:
Under evaluation

Milestones:

Approved project:	Under evaluation
Contract:	Under evaluation
Delivery completed:	Under evaluation

Cost estimate:
NOK 300 – 500 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6608 – Mid-life Update Svalbard-class Coast Guard Ship

Background and overall objective:
This project is not defined with respect to content and scope. The age of the ship is such that a significant upgrade most likely will be necessary. Contents and scope will be determined based on technical reviews of the vessel and her equipment.

Scope:
Under evaluation

Milestones:

Approved project:	Under evaluation
Contract:	Under evaluation
Delivery completed:	Under evaluation

Cost estimate:
NOK 100 – 300 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6618 – Mid-life Update Coast Guard Ship Harstad

Background and overall objective:
The aim of the project is to identify and carry out necessary upgrades to ensure that the operational capability remains relevant.

Scope:
Under evaluation

Milestones:

Approved project:	Under evaluation
Contract:	Under evaluation
Delivery completed:	Under evaluation

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 6690 – Mid-life Update Research Ship H.U. Sverdrup II

Background and overall objective:
The project is to extend the life of the research ship H.U. Sverdrup II.

Scope:
The scope of the project is to replace all the technical equipment aboard the ship.

Milestones:

Approved project:	2012
Contract:	2012
Delivery completed:	2013

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 8163 – Upgrade of Communication Equipment for the Coast Guard

Background and overall objective:
The aim of the project is to make necessary upgrades of the Coast Guard's communication equipment.

Scope:
Under consideration.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2015

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

P 8165 – Upgrade of Communication Equipment MCM Vessels

Background and overall objective:
The aim of the project is to make necessary upgrades of the communication equipment aboard MCM vessels.

Scope:
Under consideration.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2015

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Naval Systems – Lieutenant Colonel Inger Birgitte Kvale Sørvåg

AIR SYSTEMS

Point of Contact:

Programme Manager Air Systems
Ministry of Defence
Telephone 23 09 80 00

-

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P 2078 - Air Surveillance Radars

Background and overall objective:
The aim of the project is to acquire air surveillance radars in order to maintain early warning and air command and control capabilities. The new radar system will gradually replace existing radars as they become obsolete.

Scope:
The scope of the project is a gradual replacement of air surveillance radars. It is intended to maintain or improve current coverage

Milestones:

Approved project:	2013
Contract:	2015
Delivery completed:	2024

Cost estimate:
NOK 1500 - 2500 million

Point of Contact:
Programme Manager Air Systems – Senior Adviser André Sørli

7200 – New Tactical Transport Helicopter

Background and overall objective:
The aim of the project is to acquire a replacement helicopter during the timeframe after 2020.

Scope:
Under consideration

Milestones:

Approved project:	Under consideration
Contract:	Under consideration
Delivery completed:	Under consideration

Cost estimate:
Under consideration

Point of Contact:
Programme Manager Air Systems – Senior Adviser André Sørli

P 7201 - P-3C Upgrade of Communication and Navigation Equipment (CNS/ATM)

Background and overall objective:
The aim of the project is an upgrade of Communication and Navigation System – Communication, Navigation and Surveillance/Air Traffic Management (CNS/ATM). This will ensure continued access to civilian airspace without restrictions.

Scope:
Under consideration

Milestones:

Approved project:	2013
Contract:	2017
Delivery completed:	2019

Cost estimate:
NOK 300 - 500 million

Point of Contact:
Programme Manager Air Systems – Senior Adviser André Sørli

P 7202 – P-3C Renewal of ELINT and ESM systems

Background and overall objective:
Renewal of the ELINT and ESM systems aboard the P-3C aircraft.

Scope:
The scope of the project is to renew the entire system including work stations and data storage.

Milestones:

Approved project:	2013
Contract:	Under consideration
Delivery completed:	Under consideration

Cost estimate:
NOK 300 - 600 million

Point of Contact:
Programme Manager Air Systems – Senior Adviser André Sørli

P 7644 – Upgrade of the DA-20 Jet Falcon

Background and overall objective:
The aim of the project is to upgrade several of the systems on the aircraft in order to maintain the operational capabilities of the aircraft.

Scope:
Some of the systems that are to be upgraded include intercom, SATCOM and the ESM-system.

Milestones:

Approved project:	2012
Contract:	2013
Delivery completed:	2016

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Air Systems – Senior Adviser André Sørli

P 8049 - NASAMS II Communication System

Background and overall objective:
The project shall modernize the NASAMS II Communication System according to the Armed Forces' communication architecture, based on an IP user interphase.

Scope:
Under evaluation

Milestones:

Approved project:	2012
Contract:	2013
Delivery completed:	2016

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 9514 – Respiration Protection for Aircrew

Background and overall objective:
The aim of the project is to improve the capability to operate in CBR contaminated areas.

Scope:
The scope of the project is to acquire personal protection equipment for aircrew. The number of systems is under consideration.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2014

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Air Systems – Senior Adviser André Sørli

SOLDIER SYSTEMS

Point of Contact:

Programme Manager Soldier Systems
Ministry of Defence
Telephone 23 09 80 00

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P 4003 – Digitalization 2

Background and overall objective:
The project is intended to further develop the capabilities of the soldier equipment acquired earlier. Operational experiences and technological development will determine the contents of the project.

Scope:
The procurement shall cover the requirements of all services.

Milestones:

Approved project:	2016
Contract:	2017
Delivery completed:	2019

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Soldier Systems – Lieutenant Colonel Terje Ågren

P 4013 – Night Vision Equipment

Background and overall objective:
An acquisition of night vision and thermal equipment is planned for prioritised weapon systems and units.

Scope:
The procurement shall cover the requirements of all services.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2020

Cost estimate:
NOK 300 - 500 million

Point of Contact:
Programme Manager Soldier Systems – Lieutenant Colonel Terje Ågren.

P 4014 – Soldier Equipment – Endurance

Background and overall objective:
The project shall provide a series of different equipment types that will enable the individual soldier to operate in a variety of environments. Some examples of equipment types are potable water systems, sleeping bags for different climates, ground sheets and heating sources.

Scope:
The procurement shall cover the requirements of all services. It is expected that the acquisition will be done within a framework contract.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2021

Cost estimate:
NOK 200 - 500 million

Point of Contact:
Programme Manager Soldier Systems – Lieutenant Colonel Terje Ågren

P 4015 – Soldier Equipment – Mobility

Background and overall objective:
The project shall provide a series of different equipment that will enhance the individual soldier mobility during operations in a variety of situations. Some examples of equipment types are tents, skis, snow shoes etc.

Scope:
The procurement shall cover the requirements of all services. It is expected that the acquisition will be done within a framework contract.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2022

Cost estimate:
NOK 200 - 500 million

Point of Contact:
Programme Manager Soldier Systems – Lieutenant Colonel Terje Ågren

P 4018 – Small Arms 2

Background and overall objective:
The project shall acquire small arms for the Armed Forces based on experiences with small arms already in use. The small arms that will be procured may be the same as the ones already in use or it may be new types depending on gained experience or technological developments.

Scope:
The procurement shall cover the requirements of all services.

Milestones:

Approved project:	2015
Contract:	2017
Delivery completed:	2022

Cost estimate:
NOK 300 - 500 million

Point of Contact:
Programme Manager Soldier Systems – Lieutenant Colonel Terje Ågren

P 4019 – Soldier Equipment – Personal Clothing and Protection

Background and overall objective:
The project shall provide a series of different personal clothing articles and protective equipment types that will enable the individual soldier to operate in a variety of situations. Some examples of equipment types are uniforms, clothing for hot and cold climates, body armour etc.

Scope:
The procurement shall cover the requirements of all services. It is expected that the acquisition will be done within a framework contract.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2019

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Soldier Systems – Lieutenant Colonel Terje Ågren

P 4023 – Digitalization 3

Background and overall objective:
The project is intended to procure a variety of equipment necessary to maintain and further develop existing capabilities. The rapid technical development and the relatively short lifespan of this kind of equipment, makes it necessary to look into replacing the capabilities previously acquired. The acquired equipment shall be integrated into the Armed Forces' CCIS.

Scope:
The acquisition shall cover the requirements of all services.

Milestones:

Approved project:	2019
Contract:	2020
Delivery completed:	2022

Cost estimate:
NOK 0 - 300 million

Point of Contact:
Programme Manager Soldier Systems – Lieutenant Colonel Terje Ågren

P 4042 – New Types of Ammunition

Background and overall objective:
The project is to keep abreast of the technological developments and evaluate new types of ammunition for use by the armed forces.

Scope:
The scope of the project covers calibres up to 12.7 mm. However, other types of calibres like the M-72 Anti-tank Weapon may be included.

Milestones:

Approved project:	2017
Contract:	2019
Delivery completed:	2022

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Soldier Systems – Lieutenant Colonel Terje Ågren

P 4130 – Ammunition for International Operations

Background and overall objective:
The procurement consists of improved ammunition that satisfies the requirements for units in international operations. Special consideration is to be given with respect to less than ideal storage conditions.

Scope:
Under consideration

Milestones:

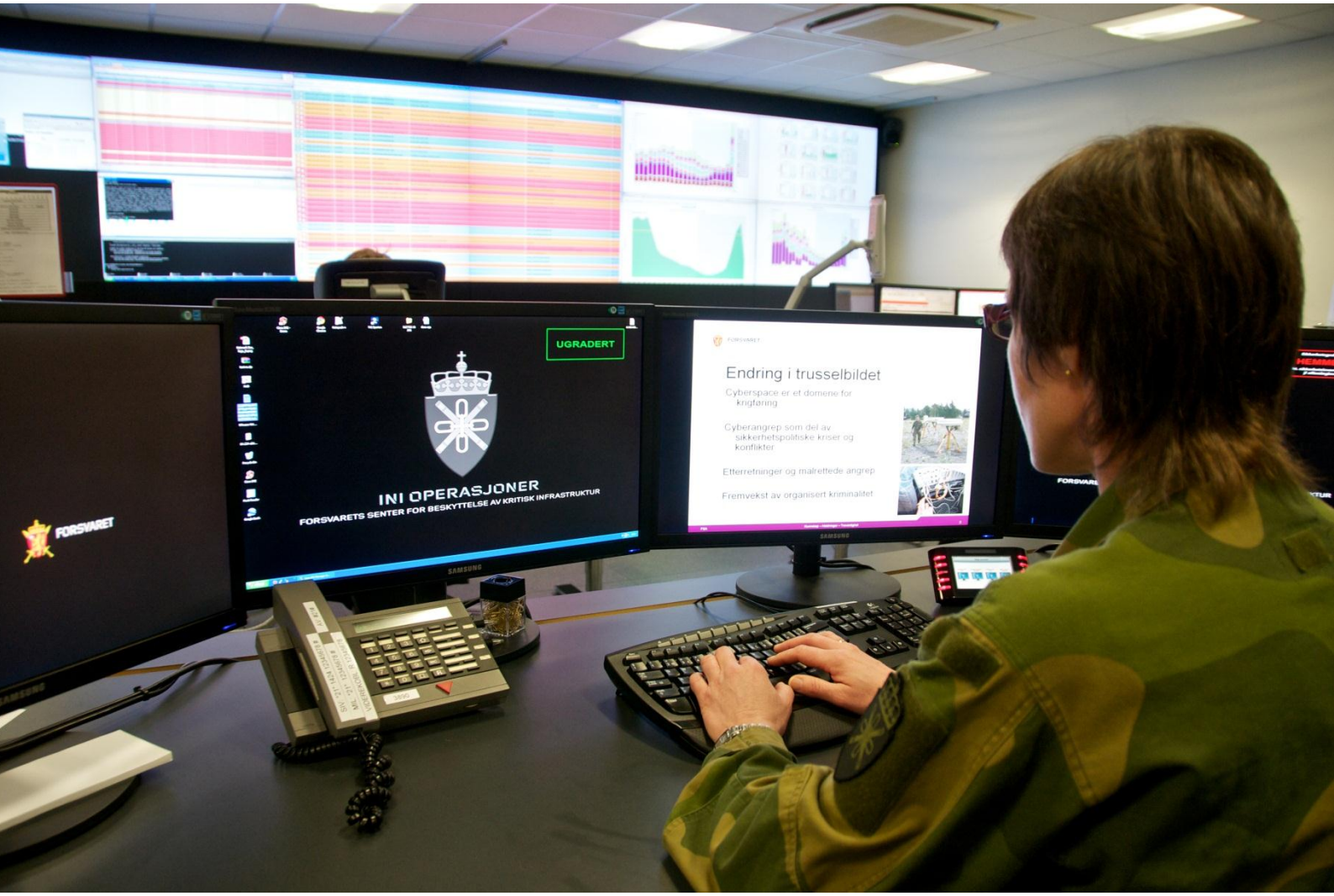
Approved project:	2013
Contract:	2014
Delivery completed:	2018

Cost estimate:
NOK 100 - 200 million

Point of Contact:
Programme Manager Soldier Systems – Lieutenant Colonel Terje Ågren

NETWORK BASED DEFENCE

Point of Contact:
Programme Manager Network Based Defence
Ministry of Defence
Telephone 23 09 80 00



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P 2909 – Information technology in administration building

Background and overall objective:
The project shall procure information technology to the Chief of the Army Staffs new administration building.

Scope:
Under consideration

Milestones:

Approved project:	2012
Contract:	2012
Delivery completed:	2014

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 2974 - Electronic Distribution of Encryption Keys

Background and overall objective:
The project is intended to make distribution of encryption keys more efficient and also make it possible to automatically update encryption keys.

Scope:
A significant number of units will be acquired. The exact number will be decided during the planning process.

Milestones:

Approved project:	2012
Contract:	2013
Delivery completed:	2015

Cost estimate:
NOK 200 - 500 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 4981 – Renewal of Decision Support - Security

Background and overall objective:
The project is intended to increase the efficiency of Personnel and Facility Security Clearance.

Scope:
Under consideration

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2016

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8000 - CCIS for Air Force Units

Background and overall objective:
NATO introduces the Air Command and Control System (ACCS) for Combined Air Operations Centre (CAOC) and Air Control Centre, Recognized Air Picture Production Centre, Sensor Fusion Post (ARS). The project is to supplement ACCS by establishing command and control capabilities for Air Force units (wing, squadron and air defence units).

Scope:
The scope of the project depends on the upcoming reorganisation of the Air Force base structure. The project includes hardware and software for wing, squadron and air defence units.

Milestones:

Approved project:	2013
Contract:	2014
Delivery completed:	2016

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8011 - Communication Platforms for the Tactical Level

Background and overall objective:
The project shall provide user at the tactical level with a secure CIS platform for the classification level of up to and including NATO Secret.

Scope:
The scope of the project is to procure hardware and software for selected tactical level units. The acquisition is to prepare for further procurements of secure CIS platforms.

Milestones:

Approved project:	2012
Contract:	2013
Delivery completed:	2018

Cost estimate:
NOK 300 - 500 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8015 - User Terminals for the National Emergency Communication Network

Background and overall objective:
The project is intended to procure user terminal for the National Emergency Communication Network enabling communication between civilian authorities and the Armed Forces during civilian emergencies.

Scope:
The project shall procure a number of user terminals for the units most likely to be called upon to support the civilian authorities during an emergency situation.

Milestones:

Approved project:	2013
Contract:	2014
Delivery completed:	2015

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8021 – Secure Voice over IP

Background and overall objective:
The aim of the project is to establish secure voice communication using IP.

Scope:
Under consideration

Milestones:

Approved project:	2013
Contract:	2014
Delivery completed:	2018

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8031 - Modernization of VTC Systems

Background and overall objective:
The project is intended to maintaining and improving VTC capabilities within the Armed Forces.

Scope:
Under evaluation

Milestones:

Approved project:	2013
Contract:	2014
Delivery completed:	2015

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8041 – Renewal of stationary maritime radio systems

Background and overall objective:
The project is to renew the national core HF structure.

Scope:
Under consideration.

Milestones:

Approved project:	2014
Contract:	2015
Delivery completed:	2018

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8042 – Renewal of Coastal Radar North-Norway

Background and overall objective:
The aim of the project is to replace a number of radar sensors for surveillance of coastal waters in North-Norway.

Scope:
Under consideration.

Milestones:

Approved project:	2015
Contract:	2017
Delivery completed:	2021

Cost estimate:
NOK 300 - 500 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8044 – Maintenance of Core Services

Background and overall objective:
The aim of the program is to ensure that the core services are maintained.

Scope:
Under consideration.

Milestones:

Approved project:	2016
Contract:	2017
Delivery completed:	2022

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8045 – Maintenance of Decision Support Systems

Background and overall objective:
The aim of the project is to ensure a continuous modernization of decision support systems.

Scope:
Under consideration.

Milestones:

Approved project:	2017
Contract:	2018
Delivery completed:	2021

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8151 - Interoperable VHF Radios

Background and overall objective:
The project shall procure the necessary VHF radio communication equipment to establish a complementary, tactical VHF communications capability. Interoperability for international operations as well as broadband capability is emphasized.

Scope:
The scope of the project is to cover the requirements for tactical/technical level units throughout the Armed Forces.

Milestones:

Approved project:	2013
Contract:	2014
Delivery completed:	2018

Cost estimate:
NOK 300 - 500 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8152 - Adaptation of the Communication Architecture to SATCOM

Background and overall objective:
The project shall acquire the necessary components necessary to adapt and modernize existing and planned communications infrastructures to broadband SATCOM.

Scope:
The project is to procure a number of SATCOM terminals and adapt the communications infrastructure.

Milestones:

Approved project:	2013
Contract:	2014
Delivery completed:	2018

Cost estimate:
NOK 300 - 500 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8153 – Link System Development

Background and overall objective:
The aim of the project is to ensure a continuous modernization of link systems.

Scope:
Under consideration.

Milestones:

Approved project:	2016
Contract:	2017
Delivery completed:	2020

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8154 - Information Security

Background and overall objective:
The project shall procure the necessary equipment to make it possible to establish a more automated information flow between secure domains.

Scope:
The scope of the project will impact CIS throughout the Armed Forces.

Milestones:

Approved project:	2017
Contract:	2018
Delivery completed:	2021

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8155- National use of NATO solutions

Background and overall objective:
The project shall procure and implement NATO concepts and equipment for national use.

Scope:
The scope of the project comprises hardware and software.

Milestones:

Approved project:	2013
Contract:	2014
Delivery completed:	2019

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8156 - Net Enabling of National Sensors (JISR)

Background and overall objective:
The project shall adapt different sensors so it will be possible to deliver data directly into the Armed Forces' networks, and also make a more dynamic employment of the various sensors possible.

Scope:
Under evaluation

Milestones:

Approved project:	2013
Contract:	2014
Delivery completed:	2018

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8158 – Integration of the F-35 into the National IT Structure

Background and overall objective:
The project is to make adaptations to the national IT infrastructure as a result of the upcoming acquisition of the F-35.

Scope:
Under consideration.

Milestones:

Approved project:	2015
Contract:	2016
Delivery completed:	2020

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8160 – Secure Platforms

Background and overall objective:
The aim of the project is to ensure a continuous modernization of secure platforms.

Scope:
Under consideration.

Milestones:

Approved project:	2017
Contract:	2018
Delivery completed:	2021

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8161 – Electronic Warfare Data Administration System

Background and overall objective:
The aim of the project is to establish a data administration system for electronic warfare data.

Scope:
Under consideration.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2015

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 8162 – Upgrade of the Armed Forces' Satellite Station

Background and overall objective:
The aim of the project is to upgrade the satellite ground station at Eggemoen and to establish an alternate "anchor"

Scope:
Under consideration.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2016

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 9245 - ACCS Nationally Financed Infrastructure

Background and overall objective:
The project shall acquire the equipment necessary to implement the nationally financed parts of NATO Air Command and Control System.

Scope:
The scope of the program will have to be adjusted according to the future organization of the Air Force infrastructure.

Milestones:

Approved project:	2013
Contract:	2014
Delivery completed:	2018

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 9269- Decision Support for Tactical/Combat Level

Background and overall objective:
The project shall acquire a secure CIS platform and provide secure CIS services at the tactical/combat level. The project is to be based upon existing systems and solutions.

Scope:
The scope of the project includes hardware and software for tactical units all the way to the individual soldier.

Milestones:

Approved project:	2013
Contract:	2014
Delivery completed:	2016

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

P 9271 – Renewal of communication infrastructures

Background and overall objective:
The aim of the project is to ensure modernization of communication infrastructures.

Scope:
Under consideration.

Milestones:

Approved project:	2013
Contract:	2014
Delivery completed:	2017

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Programme Manager Network Based Defence – Lieutenant Colonel Lasse Halaas

LOGISTICS SYSTEMS

Point of Contact:
Programme Manager Logistics Systems
Ministry of Defence
Telephone 23 09 80 00

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P 2501 – Asset tracking

Background and overall objective:
The project is to acquire electronic equipment that will make it possible to track and identify materiel resources.

Scope:
The scope of the project is under evaluation. One goal is to fulfill NATO standards in this area.

Milestones:

Approved project:	2012
Contract:	2012-13
Delivery completed:	2015

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Lieutenant Colonel Tom Juliussen – Program Logistics Systems

P 2517 - Airport Ground Operations Equipment

Background and overall objective:
The project shall provide equipment necessary to maintain continuous operations of airports as well as improving the ground operations. The project has two main objectives:

a. Ensure that the Air Force maintains its obligations as the responsible operator of a number of airports with a mix of military and civilian air traffic.
b. Ensure that sufficient equipment exists for support of deployed aircraft to bases in Norway or abroad.

Scope:
The scope of the project includes equipment for snow clearance, runway sweeping, chemical treatment of runways and grass/brush clipping.

Milestones:

Approved project:	2012
Contract:	2012-13
Delivery completed:	2016

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Lieutenant Colonel Tom Juliussen – Program Logistics Systems

P 2528 - New Assault Boats

Background and overall objective:
The project is to acquire new assault boats in order to maintain the operational capabilities in areas where water impedes movement.

Scope:
The scope of the project is to acquire a limited number of assault boats.

Milestones:

Approved project:	2012
Contract:	2013
Delivery completed:	2014

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Lieutenant Colonel Tom Juliussen – Program Logistics Systems

P 2559 - Land-based Transportation Equipment

Background and overall objective:
The project is intended to maintain and renew the important logistics capability of land based transportation. A variety of transport vehicles will be acquired to support operations by the entire Armed Forces in Norway as well as during deployed operations. Transportation support of Allied reinforcements is part of the project.

Scope:
The scope of the project with respect to types and numbers of vehicles is under assessment.

Milestones:

Approved project:	2015 (under evaluation)
Contract:	2016 (under evaluation)
Delivery completed:	2024 (under evaluation)

Cost estimate:
NOK 1000 - 1500 million

Point of Contact:
Lieutenant Colonel Tom Juliussen – Program Logistics Systems

P 2568 - Route Clearance and Counter IED Equipment

Background and overall objective:
The project is to acquire vehicles for route clearance and materiel to supplement existing Counter-IED capabilities as the threat and technological countermeasures evolve.

Scope:
Under evaluation

Milestones:

Approved project:	2015
Contract:	2016
Delivery completed:	2023

Cost estimate:
NOK 300 - 500 million

Point of Contact:
Lieutenant Colonel Tom Juliussen – Program Logistics Systems

P 2569 – Security Measures Haakonsvern Naval Base

Background and overall objective:
The project is to improve the protection level at Haakonsvern naval base. The project shall include increased protection for naval vessels, equipment, personnel and sensitive information.

Scope:
To protect Haakonsvern naval base against threats from the sea and land.

Milestones:

Approved project:	2012
Contract:	2013
Delivery completed:	2014

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Lieutenant Colonel Tom Juliussen – Program Logistics Systems

P 2570 – Life Extension of Scania Trucks

Background and overall objective:
The project is to acquire spare parts for Scania trucks to keep them operational until P 2559 - Land-based Transportation Equipment has delivered new trucks to the Armed Forces

Scope:
Under consideration.

Milestones:

Approved project:	2012
Contract:	2013
Delivery completed:	2014

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Lieutenant Colonel Tom Juliussen – Program Logistics Systems

P 2573 – Labelling of Weapons and Ammunition

Background and overall objective:
The project shall procure a system for labelling weapons and ammunition with a unique machine readable marking.

Scope:
Under consideration.

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2014

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Lieutenant Colonel Tom Juliussen – Program Logistics Systems

P 2574 – Securing and Tracking of Weapons and Ammunition during Transport

Background and overall objective:
The project shall improve the system for securing and tracking of weapons and ammunition during transport.

Scope:
Under consideration.

Milestones:

Approved project:	2012
Contract:	2013
Delivery completed:	2014

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Lieutenant Colonel Tom Juliussen – Program Logistics Systems

P 2576 – Phase 1 Construction Equipment

Background and overall objective:
Phase 1 in operations abroad is defined to be the first two months after the initial deployment. During phase 1 the Armed Forces needs equipment to establish an initial camp with housing, sanitary installations, accommodations and provisions.

Scope:
The procurement can include equipment as tents, field kitchens, power generators, showers/toilets, A/C units, water storages, fuel storages, fire fighting equipment and waste disposal equipment.

Milestones:

Approved project:	2012
Contract:	2013
Delivery completed:	2014

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Lieutenant Colonel Tom Juliussen – Program Logistics Systems

P 4390 - Modernization of Military Geo Capabilities

Background and overall objective:
The project is intended to enhance the existing capabilities with respect to geographical information support of operations and the management of the geographical information held by the Armed Forces.

Scope:
Under evaluation

Milestones:

Approved project:	2013
Contract:	2013
Delivery completed:	2017

Cost estimate:
NOK 0 - 100 million

Point of Contact:
Lieutenant Colonel Arild Andersen – Program Logistics Systems

P 5834 - Protection of Bases and Camps

Background and overall objective:
The project shall procure equipment for protection of bases and camps, particularly during international operations

Scope:
The scope of the project includes materiel for surveillance and securing the perimeter of bases and camps. Additionally it is planned to purchase a variety of protective gear and equipment.

Milestones:

Approved project:	2013
Contract:	2014
Delivery completed:	2016

Cost estimate:
NOK 100 - 300 million

Point of Contact:
Lieutenant Colonel Tom Juliussen – Program Logistics Systems

P 9346 – Pre-hospital Medical Equipment

Background and overall objective:
The project is to purchase medical supplies and first aid equipment for the individual soldier and for smaller teams.

Scope:
Under evaluation

Milestones:

Approved project:	2012
Contract:	2013
Delivery completed:	2014

Cost estimate:
NOK 0-100 million

Point of Contact:
Lieutenant Colonel Arild Andersen – Program Logistics Systems

P 9511 - CRBN Detection, Warning and Reporting Equipment

Background and overall objective:
The project is to purchase equipment and implement capabilities for detection, warning, reporting and prediction for chemical and radiological contamination into existing and future command, control and information systems. Focus is to be placed on interoperability with allies, between the services and with the command, control and information systems. A capability for detection of biological contamination is being considered.

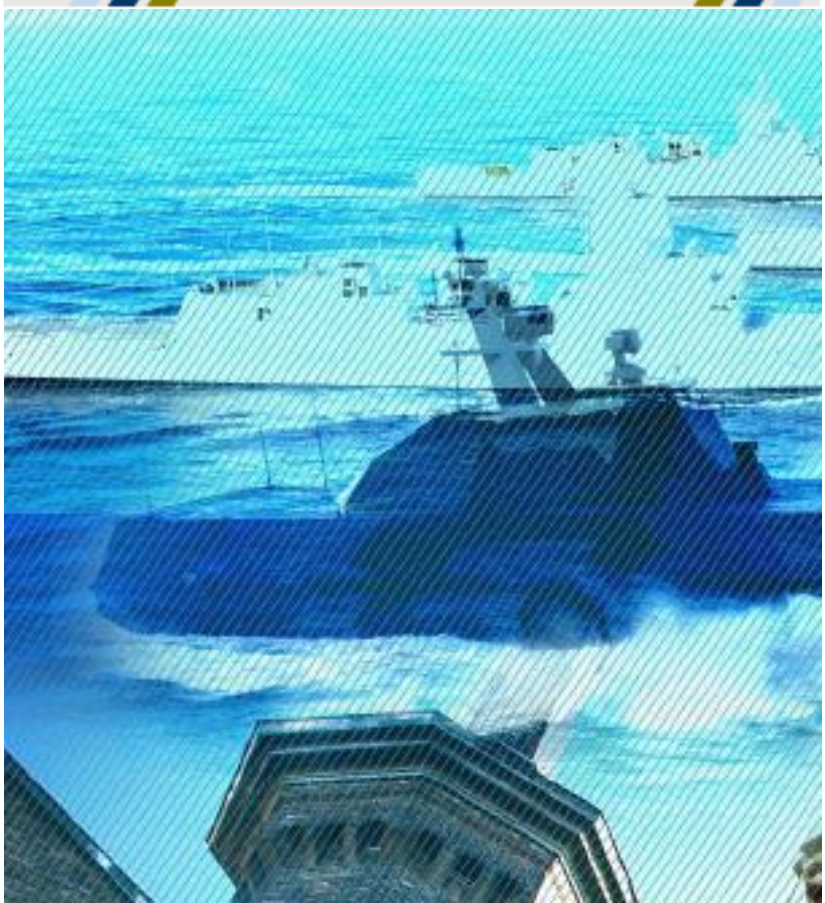
Scope:
The scope of the projects covers all levels of command down to and including company level. The details with respect to integration into the current and future command, control and information system is under consideration.

Milestones:

Approved project:	2014
Contract:	2015
Delivery completed:	2018

Cost estimate:
NOK 0-100 million

Point of Contact:
Lieutenant Colonel Arild Andersen – Program Logistics Systems



Norwegian Ministry of Defence
Postboks 8126 Dep
NO-0032 Oslo
Norway

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POC: Senior Adviser John-Arne Nyland