

MSS 7000 installations



Two MSS 7000 SLAR and IR/UV systems for the Netherlands Coastguard



One new MSS 7000 system and upgrades to three MSS 6000 systems for the Transport Canada NASP program.



Three new SLAR and IR/UV systems for the Indian Coast Guard Dorniers



The MSS 7000 is in daily operation producing results for the Estonian Police and Border Guard.

Events

Farnborough International Airshow, Farnborough, UK
16 - 22 July 2024

About ST Airborne Systems

ST Airborne Systems (under the name SSC Airborne Systems) first developed an airborne remote sensing system for the Swedish Coast Guard in the 70's. Following a number of successful deliveries in Europe, in the late 90's we developed the MSS 5000 version of the system. This was first taken into operation in Norway in 1998, after which followed installations for Coast Guard, Air Force and Navy customers in Sweden, Poland, Greece, USA and Portugal among others.

The MSS 6000 version of the system was first taken into operation by Transport Canada's Marine Safety branch in 2006. Since then, we have delivered more than 25 MSS 6000 systems to customers around the world, installed in a number of different types of aircraft.

Today we offer the MSS 7000 which is built on new technology combined with operational experience. We have also strengthened our cooperation with Bromma Air Maintenance to be able to offer a wide variety of solutions for special mission aircraft to our customers. The missionized aircraft for the Estonian Police and Border Guard was the first result of this new and exciting cooperation which is based on more than forty years of experience in this field!

Use it to enhance your maritime surveillance operation!



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MSS 7000 NEWS

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Photo credit: Transport Canada

Canada

New MSS 7000 system and upgrades of existing MSS 6000 systems [Read more inside](#)

Finland

We have been selected to bid for the MVX program [Read more inside](#)

India

Three new SLAR and IR/UV systems to for the Indian Coast Guard Dorniers [Read more inside](#)

Netherlands

Two new SLAR and IR/UV systems for NLCG [Read more inside](#)



The Finnish Border Guard MVX program

The purpose of the MVX program is to replace the current Dornier 228 surveillance aircraft with new multi-purpose aircraft which correspond to the current and future operating environment and tasks. The Finnish Border Guard has decided to ask for proposals for turbofan aircraft as their future multi-purpose aircraft.

The RFI phase of the program ended in 2022, and the program has now progressed to the invitation to tender phase.

The Finnish Border Guard has selected 9 potential suppliers (of which one is ST Airborne Systems) to whom they have given an initial request for proposal. At present the MVX team is evaluating these initial bids, and plans to down select and send an intermediate request to 3 to 5 of these suppliers. Further evaluation and proof of concept will be conducted and the intermediate tenders will be evaluated. Negotiations will then be held with the final down selected suppliers during additional negotiation rounds late summer and autumn. The goal is to conclude a procurement contract with the chosen supplier by the end of 2023, and that the new aircraft should be put into service in 2026 and 2027.

In the first round we feel we have submitted a very good offer and hope to be selected to proceed to the negotiation phase. As we have supplied the systems presently operated on board the Dornier aircraft, and have had the opportunity to work closely with the Finnish Border Guard over the years supporting and improving the systems they use, we believe we have a very good understanding of the operational requirements also for the new aircraft. It is a further advantage for us that we can cooperate closely with Textron and Bromma Air Maintenance to be able to provide a complete response to the MVX requirement. Together we are convinced that we can supply a very competitive solution for the future surveillance aircraft of the Finnish Border Guard.

The surveillance aircraft are primarily used for monitoring of borders on land and at sea, supporting rescue efforts in maritime emergencies, identifying environmental emergencies at sea, and supporting clean-up efforts. The requirements stated for the new aircraft also take into account the growing need for monitoring Finland's borders and the related upgrading of the capability of ensuring Finland's territorial integrity.



We have proposed the Textron Cessna Citation Longitude to the Finnish Border Guard to replace the Dornier 228 aircraft. Aircraft concept courtesy Textron.

Canada



The four iconic red aircraft of Transport Canada's National Aerial Surveillance Program (NASP). Photo credit: Transport Canada

A New MSS 7000 system has been delivered to Transport Canada's National Aerial Surveillance Program (NASP). It is presently being installed in a dual workstation configuration and will integrate SLAR, IR/UV, AIS, cameras and direction finder as well as new advanced versions of the EO/IR and search radar.

Once the system has been checked out in-flight, we will provide training for operators and maintenance engineers. Under this contract we will also perform an upgrade of the mission systems on board the three aircraft already in operation.

Since 2006, Transport Canada has been operating three MSS 6000 systems installed on two Dash 8 aircraft and one Dash

7 aircraft. These aircraft are a pillar in preventing pollution in Canadian waters, protecting the marine environment and endangered marine life, and ensuring a safe and efficient transportation industry along their massive and varied coastlines.

Through the Government of Canada's Oceans Protection Plan, the fleet of iconic red aircraft has also worked to survey and determine the position of the critically endangered North Atlantic right whale species in the Gulf of St. Lawrence to help protect them from getting entangled in fishing nets or being hit by ships. The NASP also plays a role in protecting the Southern Resident killer whale in southern British Columbia coastal waters. The new MSS 7000 equipped Dash 8 aircraft is expected to greatly contribute to this task.

Netherlands



The Netherlands Coastguard has taken two new Dash 8 aircraft into operation. Both aircraft have the MSS 7000 SLAR and IR/UV systems.



India



One of the Dornier 228 aircraft previously equipped by ST Airborne Systems

The Indian Coast Guard is in the process of equipping three more aircraft from their large fleet of Dornier aircraft with new SLAR and IR/UV systems provided by ST Airborne Systems..