

## [ NEWSLETTER 01/2010 ]

### **NUAC company - The Nordic Unified en route Service Provider**


NUAC (Nordic Unified Air traffic Control) was founded in 2009 as a joint subsidiary by the Danish ANSP, Naviair, and the Swedish ANSP, LFV. Through NUAC, LFV and Naviair strive to secure the best position meeting the future challenges in the European ATM industry and comply with the ambitions of the EU to harmonise and streamline ATM in Europe. Before 2013 NUAC will take over the operation of the three en route centres and is going to create substantial synergies to the benefit of customers.

The Danish-Swedish FAB – was declared in December 2009 by the Danish Ministry of Transport and the Swedish Ministry of Enterprise, Energy and Communications. The Danish-Swedish FAB is facilitating the harmonisation of the Air Traffic Management in the airspace of the two countries.

NUAC will be a lean and efficient organisation. The foundation was initiated beginning of 2010 and will consist of approximately 25 people including both management and personnel. The NUAC company will act as a subcontractor to Naviair and LFV. All other personnel will be seconded to NUAC from the parent companies, which also provide control centres and other technical equipment to NUAC.

Once NUAC has assumed full operation approximately 650 employees are expected to be seconded to NUAC from Naviair and LFV. NUAC will become the largest service provider of en route service in the Nordic region.

The NUAC management head office will be located in central Stockholm. Air Traffic Control will continue to be provided from the existing three control centres situated in Copenhagen, Malmoe and Stockholm.




***NUAC will be a lean and efficient organisation***

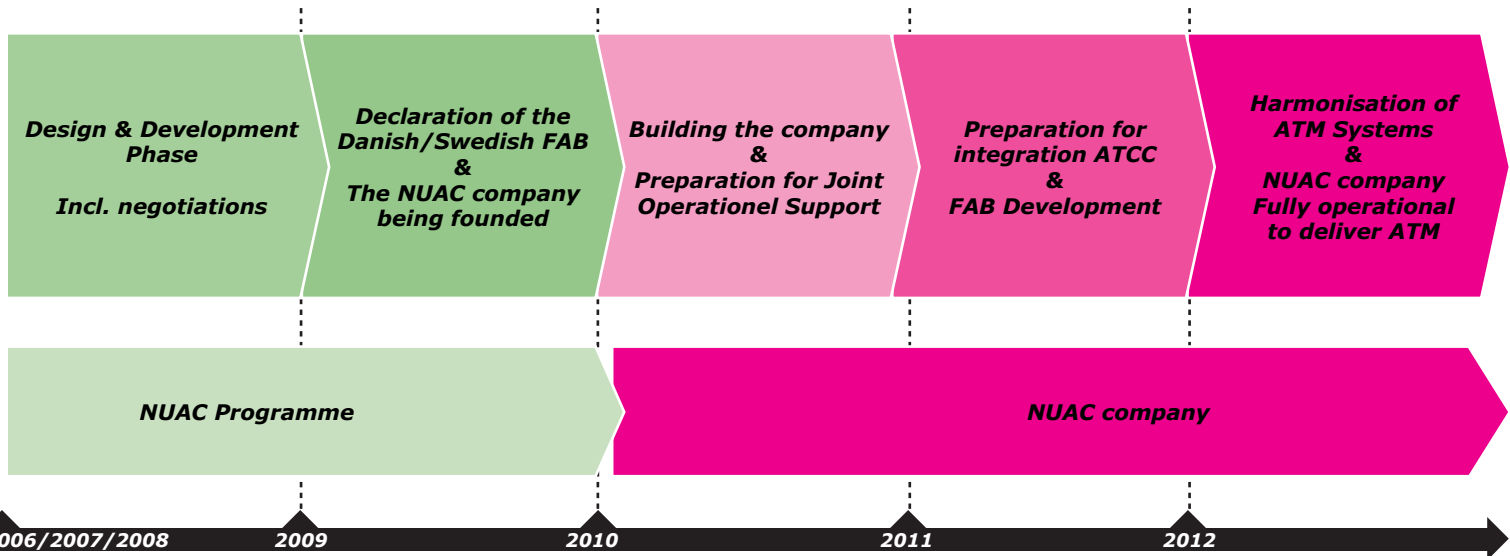


***NUAC will become the largest en route service provider in the Nordic Region***

### **Overall design principles of NUAC**

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- The NUAC company was established in 2009
  - The NUAC company shall be certified to deliver Air Traffic Services during 2012
  - The NUAC company shall operate the three Air Traffic Control Centres in Copenhagen, Stockholm, and Malmoe
  - The NUAC company shall be contracted by the owners LFV and Naviair to perform and deliver its services
  - The national providers Naviair and LFV will continue to own facilities, systems and infrastructure

## NUAC Timeline



### 2006-2008

- > NUAC Programme Definition phase
- > Design and Development phase
- > Stakeholder involvement & negotiations

### 2009

- > Founding joint subsidiary NUAC company
- > Declaration of the Danish/Swedish Functional Airspace Block
- > Preparation of an implementation phase

### 2010

- > NUAC management appointed
- > Development of detailed solutions regarding FAB and NUAC company
- > Building and implementation of NUAC company
- > Implementation of joint operational support
- > Preparation for certification of NUAC

### 2011

- > Preparation for integration of ATCC
- > FAB Development

### 2012

- > Harmonisation of ATM Systems (COOPANS)
- > Expected certification of NUAC
- > NUAC to integrate Danish and Swedish ATCC/FPC
- > Fully operational delivery of ATM in DK/SE FAB



### Danish/Swedish FAB

The Minister for Transport Mr. Lars Barfoed, Denmark and Minister for Infrastructure Mrs. Åsa Torstensson signing the State Agreement for establishing the Danish-Swedish Functional Airspace Block (FAB) - 17 December 2009.



### Founding the Company

Director General LfV, Mr. Thomas Allard and Director General Naviar, Mr. Morten Dambæk signing the LfV and Naviar Partnership Agreement establishing the NUAC company as a joint subsidiary - 14 October 2009.

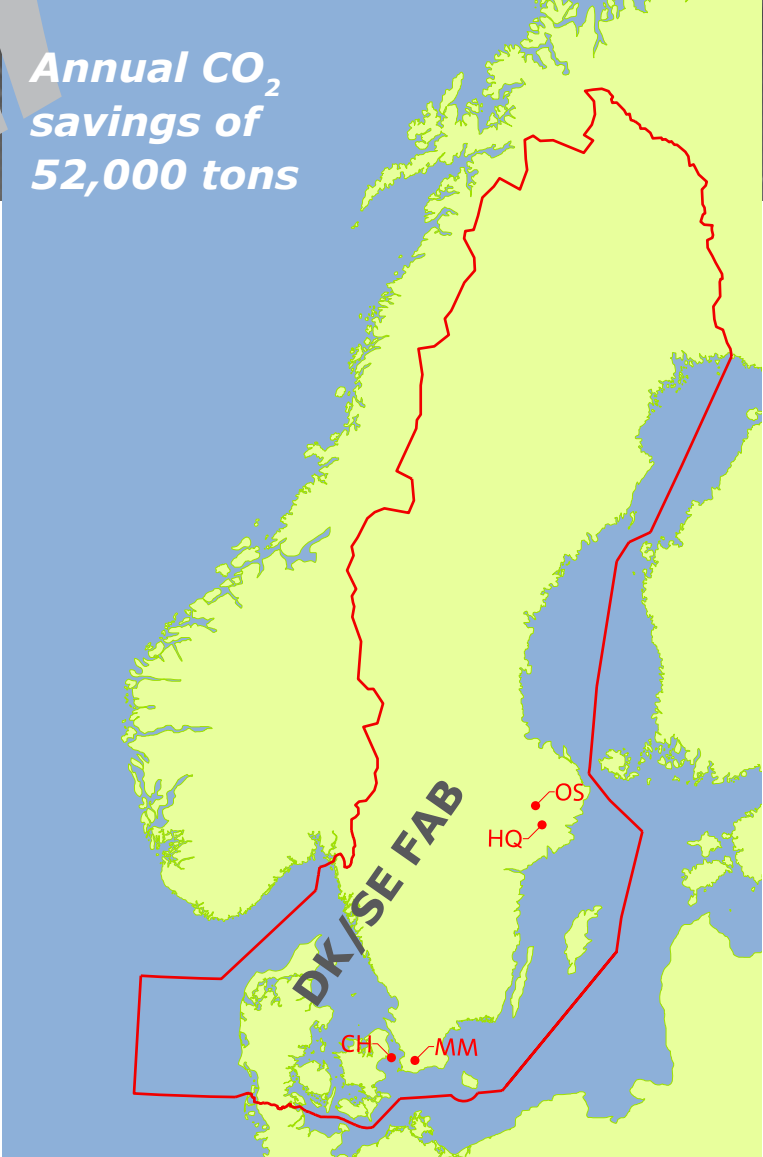


### NUAC Head Office

The NUAC company head office will be situated as from September 2010 in office facilities in the newly built Waterfront building, close to central station in Stockholm, Sweden.



**Annual CO<sub>2</sub> savings of 52,000 tons**



## Facts & Figures

**Size of airspace: 783,000 km<sup>2</sup>**  
(Naviair: 158,000 km<sup>2</sup> & LFV: 625,000 km<sup>2</sup>)

**Number of Area Control Centres: 3**  
(Naviair: Copenhagen & LFV: Stockholm & Malmö)

**Operational working positions: 140**  
(Naviair: 60 & LFV: 80)

**IFR flights (controlled movements 2008): 1,376,000**  
(Naviair: 644,000 & LFV: 732,000)

**Controlled flight hours (2008): 660,000**  
(Naviair: 216,000 & LFV: 444,000)

**Number of Total Service Units (2008): 4,745,761**  
(Naviair: 1,474,287 & LFV: 3,271,474)

**En route charges billed (2008): 255,335 M €**  
(Denmark: 86,675 M € & Sweden: 168,660 M €)

*CH: Copenhagen ATCC, Naviair*

*MM: Malmö ATCC, LFV*

*OS: Stockholm ATCC/FPC, LFV*

*HQ: NUAC company head office, Stockholm*

## NUAC Board



**Morten Dambæk,  
Chairman**  
Director General,  
Naviair



**Thomas Allard,  
Deputy Chairman**  
Director General,  
LFV

## NUAC Management



**Peter Fältsjö,  
CEO**

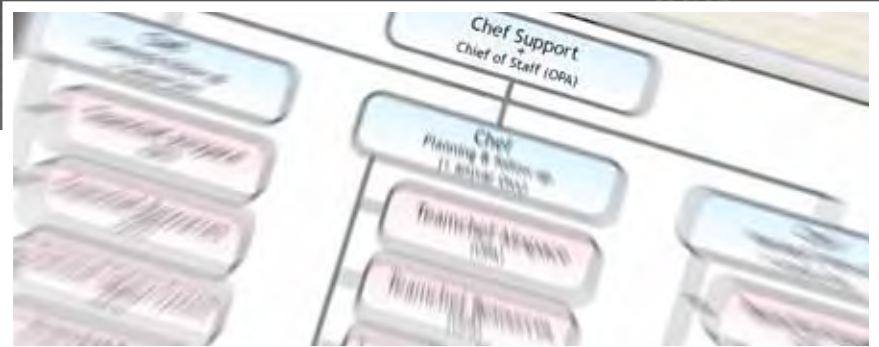


**Jesper Skou,  
COO**



**Lennart Björk,  
CFO**

**The NUAC board has 10 members and include two employee representatives.**



### COOPANS

LFV and Naviair maintains the ownership of control centres and other technical equipment. The ATM systems in LFV and Naviair are delivered by Thales.

Thales is part of the consortium COOPANS concerning harmonisation and joint development of the ATM systems in Ireland, Austria, Sweden and Denmark.

The first joint harmonisation of the ATM systems are initiated in 2011/2012.

The harmonised ATM systems and the COOPANS cooperation contribute to the vision of a future joint European ATM system SESAR – through the NORACON cooperation.

### Joint Operational Support

NUAC company will at first hand deliver joint operational support to the three Air Traffic Control Centre. The first seconding of employees will start in 2010 comprising employees from the existing support units in Naviair and LFV. These employees will still be physically present in their previous workplace since these support units will continue delivering operational support to the three control centres.

NUAC joint Operational Support will become one efficient process oriented organisation and will be able to obtain the large-scale operation advantages.

The unified support organisation, allocated on head office and the three local sites will initially comprise approximately 130 employees seconded from Naviair and LFV.

**Annual LFV & Naviair internal cost reductions are calculated at 13M €**

The preparation for certification of the NUAC company and integration the three Air Traffic Control Centres will start in 2010.

**NUAC is a subsidiary of LFV (Sweden) and Naviair (Denmark)**



LFV is the today certified and designated Air Navigation Service Provider in Swedish Airspace.

Naviair is the today certified and designated Air Navigation Service Provider in Danish Airspace.

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