

# Update from Norwegian Air Ambulance Services

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Andorra - 2017

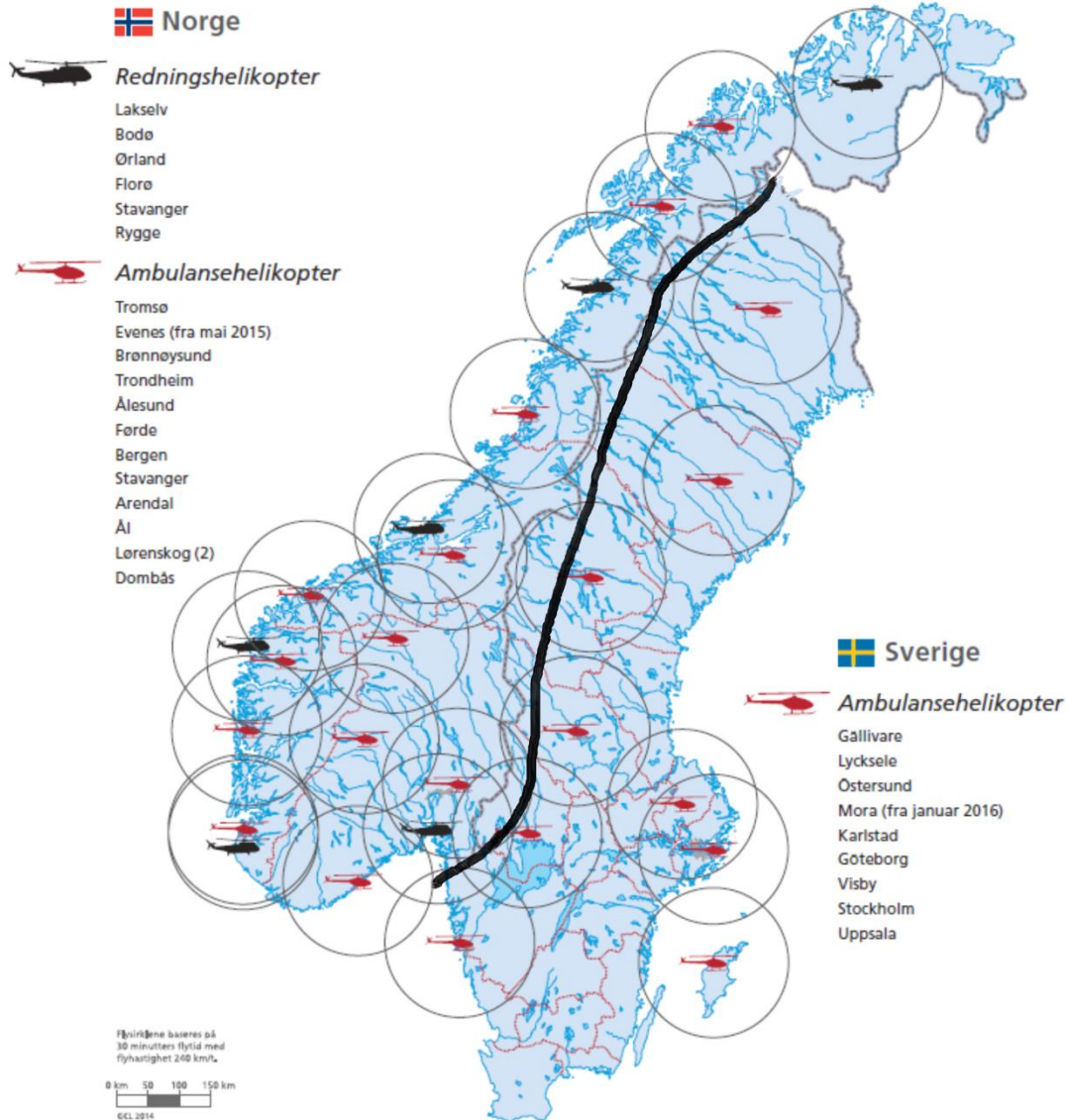
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Air Ambulance Services of Norway



# AIR AMBULANCE SERVICES OF NORWAY



State operated service – 24/7  
on contract with civilian HEMS  
operators (standard 3-crew)

Running contracts ends May 31st  
2018

7500 missions / 9000 flight hours

IFR/NVG/SAR

# AIR AMBULANCE SERVICES OF NORWAY



# AIR AMBULANCE SERVICES OF NORWAY



## SAR missions performed by HEMS units 2016



National coordination and management of both SAR and Air Ambulance/HEMS services

Use of dedicated SAR assets (RNoAF 330 sqn) to perform air ambulance/HEMS missions, and vice versa

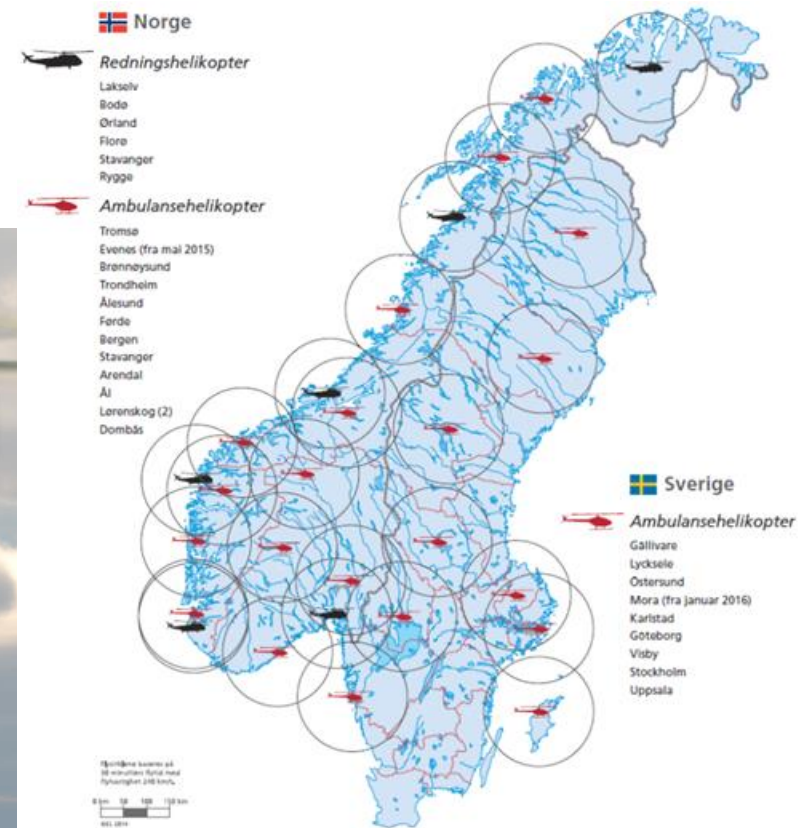
SAR-units: 55 % HEMS/Air Amb.  
HEMS-units: 5 % SAR

# AIR AMBULANCE SERVICES OF NORWAY

## New SAR helicopter 2018-2020

**AW 101**

6 SAR bases (330 sqn – RNoAF)





## **New contract 2018 (6-10 years)**

Project started in Dec 2014, with a goal to sign by June 2016.

Requirements based on:

- Strategic inputs from the owners
- Highest possible safety
- Lessons learned (accidents, audits)
- Inputs from operators, medical staff, industry

Competition:

- Tender: 500 requirements
- 4 operators
- End result: comparable offers, improved quality and better prices
- Contract signed with Norwegian Air Ambulance – all bases
- Contract cost: 375 mill Euro

# AIR AMBULANCE SERVICES OF NORWAY



## Helicopters in the new HEMS/Air Ambulance contract (2018)

### Alt.1 helicopter: H135

5 HEMS bases



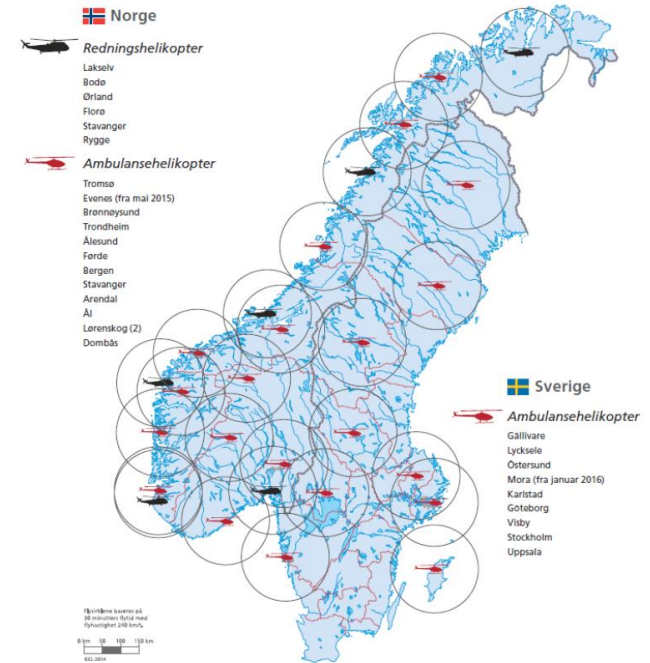
### Alt.2 helicopter: H145

6 HEMS bases



### Alt.3 helicopter: AW139

2 HEMS bases



# AIR AMBULANCE SERVICES OF NORWAY

## SAR-capabilities of the HEMS-units





# AIR AMBULANCE SERVICES OF NORWAY

## Improvements - new contract 2018

- More spare aircraft (2 x H135 / 2 x H145)
- Stand-by crews
- Best possible safety equipment (NVG, ACAS, TWAS, CVFDR, WSPS, 4-axis AP, etc.)
- Best possible IFR capabilities – LPV
- Mandatory training on all mission types/emergency training (spare air/HUET)
- Continuous flight following
- Synthetic vision
- Fast response/Emergency vehicle – all units



## Improvements - new contract 2018

- Level D simulator
  - Located in Stavanger, Norway (H135/H145)
  - High-res database covering whole country
  - Incorporating national obstacle databases
  - All IFR/VFR routes
  - SAR-training





## Improvements - new contract 2018

- Quality and environment – high standards, ISO certified
- High qualification demands for personnel
- Currency demands (flight hours, simulator, training)

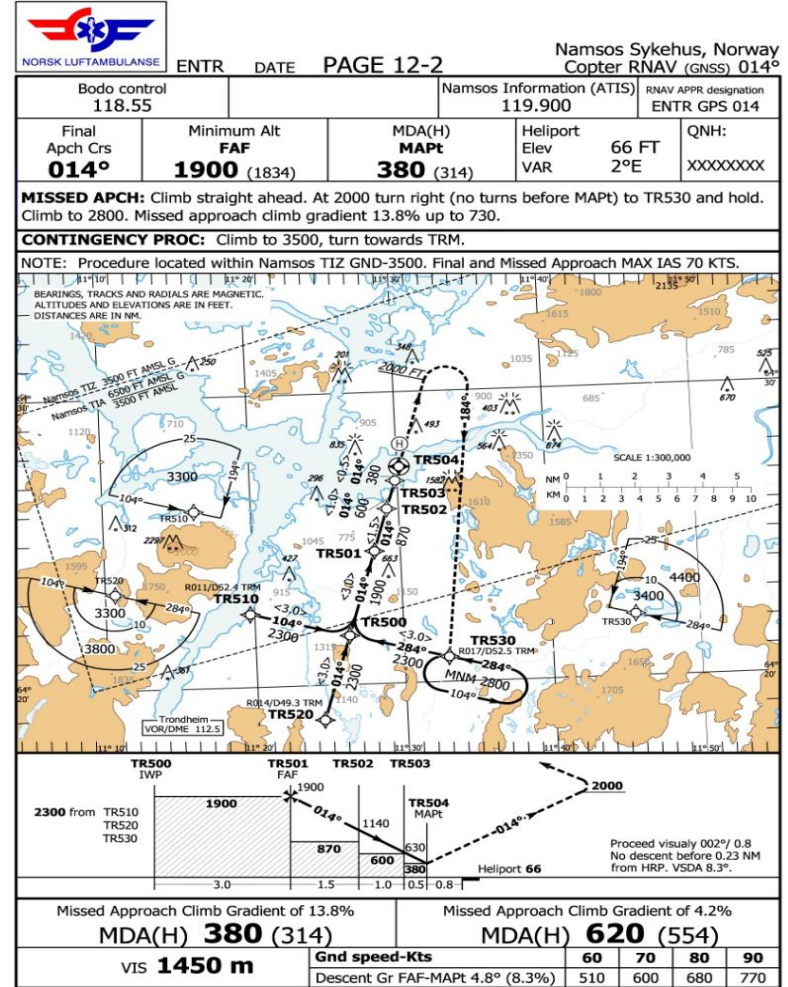




## National standards for HEMS crew members and air ambulance doctors

- Equal level of safety (crew composition)
- Extremely qualified personnel
- Cooperation between different assets has greatly improved
- Securing a minimum level of quality





## National low-level IFR enroute structure



NORWAY

AERONAUTICAL INFORMATION  
MANAGEMENT  
P.O. BOX 150  
NO-2061 GARDERMOEN

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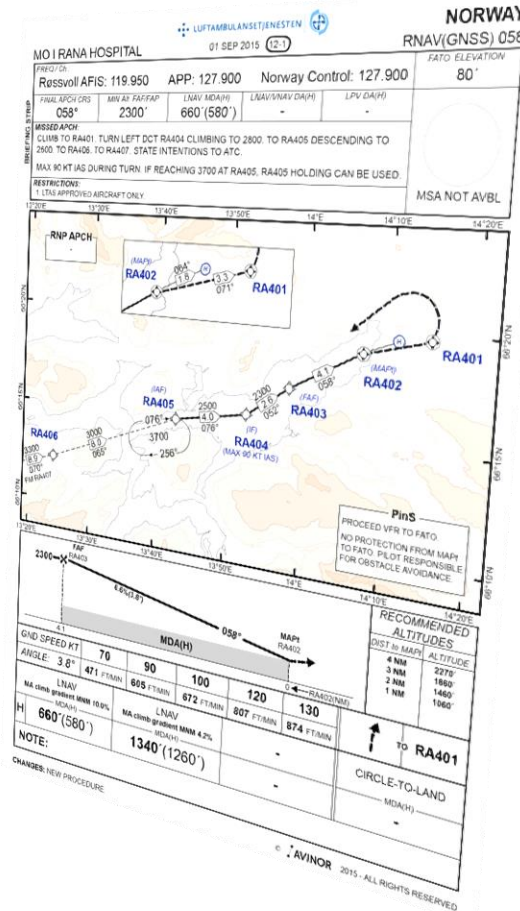
## NEW NATIONAL LOW LEVEL AREA NAVIGATION ROUTES (RNP1) FOR THE HELICOPTER AIR AMBULANCE SERVICES OF NORWAY

*This AIP SUP contains information that later will be included in a separate national, helicopter specific, information publication.*

The route network is only available for operators connected to the Air Ambulance Service of Norway, including SAR operators executing public air ambulance services. Procedures as published in this AIP SUP do not represent the total procedure description. Under no circumstances should operators not approved by the National Air Ambulance Services of Norway make use of these procedures.

All operations utilizing these area navigation routes will be the subject of strict coordination, compulsory reporting and ATC services according to operational procedures and local agreements as established by the National Air Ambulances Services of Norway. These procedures and agreements are not available for operators without prior approval, and any misuse is highly compromising to safety.

Access to procedure charts / en-route charts is only gained through the approval by the National Air Ambulance Services of Norway.



# AIR AMBULANCE SERVICES OF NORWAY

## National LZ-app (digital database)

