Update from Norwegian Air Ambulance Services

Andorra - 2017

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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
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
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
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
SAR-capabilities of the HEMS-units
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
AIR AMBULANCE SERVICES OF NORWAY

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
Final Apch Cns: 014°
Minimum Alt: FAF 1900 (1834)
MDA(H): MAPT 380 (314)
Heliport Elev: 66 FT
VAR: 2°

MISSED APCH: Climb straight ahead. At 2000 turn right (no turns before MAP) to TRS30 and hold. Climb to 2800. Missed approach climb gradient 13.8% up to 730.

CONTINGENCY PROC: Climb to 3500, turn towards TRM.

NOTE: Procedure located within Namsos TIZ GND-3500. Final and Missed Approach MAX IAS 70 KTS.

MDA(H): 380 (314) MDA(H): 620 (554)

Descent Gr FAF-MAPT 4.8° (8.3%), 510 600 680 770

Vis: 1450 m

Gnd speed-Kts: 60 70 80 90

Proced visually 002°/6.8 No descent before 5.22 NM from HRP, VSDA 8.3°.
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.
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National LZ-app (digital database)