

GEN 3.6 SEARCH AND RESCUE (SAR)**1 RESPONSIBLE SERVICE(S)**

Joint Rescue Co-ordination Centre Den Helder

Operations (H24):

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The search and rescue service in the Netherlands territory and adjacent area of the North Sea is organised in accordance with the Standards and Recommended Practices of ICAO Annex 12. The operations are performed by military and civil organisations under the operational co-ordination of the Director of The Netherlands Coastguard.

1.1 Applicable ICAO documents

Annex 12	Search and Rescue
Annex 13	Aircraft Accident Inquiry
Doc 7030	Regional Supplementary Procedures (EUR Region)
Doc 9731	International Aeronautical and Maritime Search and Rescue (IAMSAR) Manual

2 AREA OF RESPONSIBILITY

Amsterdam FIR and North Sea area V.

3 TYPES OF SERVICE

Details of the rescue co-ordination centre and related rescue units are given in the table hereafter. In addition, elements of the State police organisation, air force and merchant marine can be made available for search and rescue missions when required, while aeronautical and maritime telecommunication services are available to SAR organisation.

The RCC is equipped to communicate on channel 123.100 and CHs 2182, 3023, 3458, 5680, 6550 kHz and 156.375, 156.800, 282.800 MHz.

Aircraft and/or marine craft are equipped to communicate on CHs 121.500, 123.100 and FREQs 3023, 3458, 5680, 6550, 8364 kHz and 156.375, 156.800, 243.000, 282.800 MHz.

SAR aircraft and marine craft are equipped with UHF direction finding equipment and radar.

Aircraft available for SAR are not amphibious, but are capable of dropping survival equipment consisting of inflatable rubber dinghies furnished with medical supplies, emergency rations and sea survival kits.

Note: there is a direct speech circuit between RCC and related ATC units.

Aeronautical rescue units			
Name	Location	Facilities	Remarks (Endurance / Speed / Capacity / PN)
1	2	3	4
AMSTERDAM/Schiphol	521829N 0044551E	aeroplane Dash 8	8-9 HR / 180 KT / - / 60-90 MIN PN. <ul style="list-style-type: none"> • AVBL DLY H24. • Radius 500 NM (with 3.5 HR on scene). • 2 droppable life rafts MAX 7 casualties.
DEN HELDER/De Kooy	525500N 0044700E	helicopter AW189	3.5-5 HR / 140 KT / 16 casualties / 20 MIN PN. <ul style="list-style-type: none"> • AVBL DLY H24. • Radius 220 NM (with 30 MIN on scene). • Casualties depending on combination with MAX 2 stretchers.
MIDDELBURG/Midden-Zeeland	513044N 0034352E	helicopter AW189	3.5-5 HR / 140 KT / 16 casualties / 20 MIN PN. <ul style="list-style-type: none"> • AVBL DLY H24. • Radius 220 NM (with 30 MIN on scene). • Casualties depending on combination with MAX 2 stretchers.

Maritime rescue units (North Sea coast)			
Name	Location	Facilities	Remarks (Endurance / Speed / Capacity / PN)
1	2	3	4
Ameland	532609N 0054306E	RB	16 HR / 35 KT / 120 casualties / 10 MIN PN.
		RB	3 HR / 32 KT / 12-15 casualties / 10 MIN PN.
Breskens	512345N 0033357E	RB	16 HR / 35 KT / 120 casualties / 10 MIN PN.
Cadzand	512239N 0032253E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
Callantsoog	525015N 0044138E	RB	3 HR / 32 KT / 12-15 casualties / 10 MIN PN.
Den Helder	525746N 0044736E	RB	16 HR / 35 KT / 120 casualties / 10 MIN PN.
Dordrecht	514312N 0043736E	RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Eemshaven	532648N 0064910E	RB	7 HR / 35 KT / 90 casualties / 10 MIN PN.
Egmond aan Zee	523659N 0043715E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
Hansweert	512716N 0040042E	RB	7 HR / 35 KT / 90 casualties / 10 MIN PN.
Harlingen	531030N 0052440E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
		RB	3 HR / 32 KT / 12-15 casualties / 10 MIN PN.
Hoek van Holland	515851N 0040739E	RB	16 HR / 35 KT / 120 casualties / 10 MIN PN.
IJmuiden	522733N 0043543E	RB	16 HR / 31 KT / 120 casualties / 10 MIN PN.
Katwijk aan Zee	521239N 0042404E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
Lauwersoog	532431N 0061149E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
		RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Neeltje Jans	513717N 0034054E	RB	16 HR / 35 KT / 120 casualties / 10 MIN PN.
		RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Noordwijk aan Zee	521458N 0042614E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
Ouddorp	514757N 0035600E	RB	3 HR / 32 KT / 12-15 casualties / 10 MIN PN.
Petten	524619N 0043939E	RB	3 HR / 32 KT / 12-15 casualties / 10 MIN PN.
Scheveningen	520602N 0041549E	RB	16 HR / 35 KT / 120 casualties / 10 MIN PN.
Schiermonnikoog	532835N 0060937E	RB	16 HR / 35 KT / 120 casualties / 10 MIN PN.
		RB	3 HR / 32 KT / 12-15 casualties / 10 MIN PN.
Stellendam	514937N 0040148E	RB	16 HR / 35 KT / 120 casualties / 10 MIN PN.
		RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Ter Heijde	520126N 0040932E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
Terschelling	532125N 0051257E	RB	16 HR / 35 KT / 120 casualties / 10 MIN PN.
		RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
Texel	531024N 0045218E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
		RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Veere	513224N 0034006E	RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Vlieland	531734N 0050513E	RB	7 HR / 35 KT / 90 casualties / 10 MIN PN.
		RB	3 HR / 32 KT / 12-15 casualties / 10 MIN PN.
Westkapelle	513124N 0032632E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
Wijk aan Zee	522937N 0043551E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
Zandvoort	522221N 0043136E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.

Maritime rescue units (IJsselmeer coast)			
Name	Location	Facilities	Remarks (Endurance / Speed / Capacity / PN)
1	2	3	4
Andijk	524446N 0051103E	RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Blaricum	521806N 0051808E	RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Den Oever (Waddenzee and IJsselmeer)	525542N 0050254E	RB	3 HR / 35 KT / 20 casualties / 10 MIN PN.
Elburg	522727N 0054916E	RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Enkhuizen	524208N 0051754E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
		RB	3 HR / 32 KT / 12-15 casualties / 10 MIN PN.
Hindeloopen	525642N 0052411E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
		RB	3 HR / 32 KT / 12-15 casualties / 10 MIN PN.
Huizen	521818N 0051424E	RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Lelystad	523104N 0052612E	RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Lemmer	525033N 0054254E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
		RB	3 HR / 32 KT / 12-15 casualties / 10 MIN PN.
Marken	522734N 0050607E	RB	6 HR / 34 KT / 50 casualties / 10 MIN PN.
		RB	3 HR / 32 KT / 12-15 casualties / 10 MIN PN.

Maritime rescue units (IJsselmeer coast)			
Name	Location	Facilities	Remarks (Endurance / Speed / Capacity / PN)
1	2	3	4
Medemblik	524613N 0050658E	RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Urk	523932N 0053612E	RB	7 HR / 35 KT / 90 casualties / 10 MIN PN.
		RB	3 HR / 32 KT / 12-15 casualties / 10 MIN PN.
Warder	523357N 0050154E	RB	6 HR / 35 KT / 20 casualties / 10 MIN PN.
Wijdenes	523751N 0051017E	RB	5 HR / 32 KT / 20 casualties / 10 MIN PN.

4 SAR AGREEMENTS

An agreement has been concluded between the Netherlands and the Federal Republic of Germany concerning the provision of assistance within the sea and coastal area bounded by the north coast of the Netherlands and the Federal Republic of Germany.

When the Dutch aeronautical rescue and co-ordination centre (ARCC) requests the assistance of suitable SAR aircraft from a neighbouring State RCC, it will provide all pertinent details on the scope of the assistance required. Entry and flight of the requested SAR aircraft into or over the territory of the Netherlands for the purpose of conducting SAR operations may be conducted in accordance with the procedures and approvals granted by the State of the operator of the aircraft. If it is necessary for the requested SAR aircraft to land at a Dutch airfield or heliport or to make use of other facilities in the course of performing its assigned SAR task, the Dutch ARCC will coordinate arrangements and liaise with the appropriate organisations to facilitate the taking of such measures or actions.

Requests for entry of aircraft, equipment and personnel from other States, that are not contracted by the Dutch authorities, to engage in the search for aircraft in distress or to rescue survivors of aircraft accidents should be transmitted to the joint rescue co-ordination centre Den Helder in accordance with ICAO Annex 12, chapter 2.

5 CONDITIONS OF AVAILABILITY

The SAR service and facilities in the Netherlands are available without charge to neighbouring States upon request to the joint rescue co-ordination centre (JRCC) Den Helder at all times when they are not engaged in SAR operations in their home territory.

6 PROCEDURES AND SIGNALS USED

6.1 Procedures

Procedures for pilots-in-command observing an accident or intercepting a distress call and/or message are outlined in ICAO Annex 12, chapter 5.

6.2 Communications

Transmission and reception of distress messages within the Netherlands search and rescue area are handled in accordance with ICAO Annex 10 (Aeronautical Telecommunications), Volume II, chapter 5, paragraph 5.3.

For communications during search and rescue operations, the codes and abbreviations published in ICAO Doc 8400 (Codes and Abbreviations) can be used.

Information concerning positions, call signs, channels and operational hours of Netherlands civil aeronautical stations, direction finding stations and MILATCC Schiphol is published in ENR 2.1.

Aeronautical stations continuously guard the international emergency channel 121.500.

MIL aeronautical stations will guard the military emergency channel 243.000 MHz.

The JRCC will continuously guard the international distress channel 156.800 MHz (VHF16).

- During SAR activities JRCC Den Helder will use the call sign: Den Helder Rescue.
- Rescue aircraft involved in SAR activities will use call signs and additional identification marks as follows:
 - fixed wing aircraft: Rescue 01, 03, 05, 07, etc.
 - helicopters: Rescue 02, 04, 06, 08, etc.
- Rescue aircraft involved in SAR **exercises** will use call signs and additional identification marks as follows:
 - fixed wing aircraft: SAREX 01, 03, 05, 07, etc.
 - helicopters: SAREX 02, 04, 06, 08, etc.

6.3 Search and rescue signals

The search and rescue signals to be used are those prescribed in ICAO Annex 12, Appendix.

