

Ministry of Defence  
Military Aviation Authority the Netherlands  
Airports and Airspace division  
PO Box 20701  
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Rijswijk, 20 Apr 2022

**AIRAC AMENDMENT 06/22**

**EFFECTIVE DATE 16 JUN 22**

to the Military Aeronautical Information Publication  
(vs 83-6100-004; pub. Nr. 010701)

1. The following changes to the MilAIP Netherlands have to be incorporated:

a. Handamendment:

None.

b. Page changes:

<b>Remove old</b>	<b>Insert new</b>	<b>Remove old</b>	<b>Insert new</b>	<b>Remove old</b>	<b>Insert new</b>
GEN 0.4-1	GEN 0.4-1	ENR 1.1-4	ENR 1.1-4		ENR 6.1-23
GEN 0.4-2	GEN 0.4-2	ENR 1.1-5	ENR 1.1-5		up to
GEN 0.4-3	GEN 0.4-3	ENR 1.1-6	ENR 1.1-6		ENR 6.1-26
		ENR 3.5-17	ENR 3.5-17		
ENR 0.6-1	ENR 0.6-1	ENR 6.0-1	ENR 6.0-1		
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ENR 0.6-5	ENR 0.6-5	ENR 6.1-16	ENR 6.1-16		

2. After completion:

a. destroy obsolete pages;

b. insert letter of promulgation before page GEN 0;

c. record the incorporation of this amendment on page GEN 0.2-1.

3. The following MIL NOTAM are incorporated:

Military Aviation Authority NLD  
In order H-ALL

W.E.W. Jacobsen  
Lt Colonel



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ENR 5.5	AERIAL SPORTING AND RECREATIONAL ACTIVITIES
ENR 5.6	BIRD MIGRATION AND AREAS WITH SENSITIVE FAUNA
ENR 5.6.1	Bird migration warnings
ENR 5.6.2	Bird sanctuaries
ENR 5.6.2.1	Minimum altitude
ENR 5.6.2.2	List of bird sanctuaries
ENR 6.	EN-ROUTE CHARTS
	TACAN ROUTE STRUCTURE FIR AMSTERDAM (SUSPENDED, NOT TO BE USED)
	LINK ROUTE 10
	MIL LOW FLYING AREAS/ROUTES FOR HEL AND PROPELLER DRIVEN TRAINING ACFT
	AWX ROUTE 1
	AWX ROUTE 2/2A Volkel
	AWX ROUTE 2B Volkel
	AWX ROUTE 5
	BENE ROUTE 1-1A-1B-1S(hort)
	BENE ROUTE 1C
	BENE ROUTE 3-3A
	BENE ROUTE 4
	BENE ROUTE 5
	BENE ROUTE 6
	VL 1 DEPARTURE
	VL 2 DEPARTURE
	SHADED AREA
	WINDOW 1
	WINDOW 2
	WINDOW 3
	MIL TACAN/NDB POSITIONS
	TRANSPONDER MANDATORY ZONES
	AAR CHARTS



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A formation flight as mentioned above shall be considered as one ACFT by the concerned ACC, however the minimum radarseparation to other air TFC will be raised by 1 NM.

Formation flights between FL 280 and FL 410 consisting of RVSM approved ACFT shall be considered as a NON RVSM equipped flight.

### **ENR 1.1.5 Aerobatic flights**

Aerobatic flights are only permitted in designated areas. Aerobatic flights will generally take place within Nw Milligen CTA and TMAs, TRAs, EHD 01 thru 09 and TEMPORARY RESTRICTED AREAs and will be monitored by ATC or AD.

### **ENR 1.1.6 Offensive, defensive and support air operations**

Offensive, defensive and support air operations for training purposes are only allowed inside the designated areas (see ENR 5.2.2.7), inside designated ranges or inside defined Air-to-Air refuelling tracks. EHD 09 is primarily meant for CIV testflights and EHD 01 thru EHD 08 for MIL operations.

### **ENR 1.1.7 Close air support**

CAS flight with fixed wing ACFT are prohibited outside controlled (class B or C) and designated airspace such as Restricted- and Danger areas, TRAs and EHD 01 thru 09. In other airspace CAS is only allowed in a prearranged 'TEMPORARY RESTRICTED AREA'. Creation of a 'TEMPORARY RESTRICTED AREA' has to be consulted with Commander Air Forces/Head Mission Support Branch at least eight weeks in advance.

### **ENR 1.1.8 Supersonic flights**

Flights exceeding the speed of sound may only take place under radar control of a C&R station, Maastricht UAC or MILATCC Schiphol under the following conditions:

Above sea:        More than 35 NM from the coast ( = main land and Wadden-Islands );  
                          When less than 35 NM from the coast: altitude above 35000 ft, on a sea-bound course.

Above land:      North of the CTA East and CTA West under the following conditions:

- a.        MON/FRI 0700/1900 (0600/1800);
- b.        Altitude more than 35000 ft;
- c.        In horizontal or climbing flight;
- d.        On a northbound course.

For supersonic test flights of the RNLAF exclusively between PSN 51°54'N005°26'E and PSN 51°36'N004°22'E, above 40000 ft in horizontal or climbing flight.

Supersonic flights controlled by other stations than CRC, MUAC or MILATCC Schiphol have to be reported immediately to the Master Controller of AOCS NM CRC.

### ENR 1.1.9 Air refuelling

Air refuelling will, unless in a tactical towline within activated military areas, take place on the tracks defined below, or at any other position/track/route as determined by the controlling unit to ensure the operational refuelling requirements. For Carol Long/ Short and Polly track details see ENR 6.1 En route charts page 23 - 26.

#### ENR 1.1.9.1 Procedures

AOCS NM Air Defence or MUAC will provide radar service for all AAR operations. All tanker/receiver procedures according ATP 3.3.4.2 latest edition. ([www.japcc.org/aar](http://www.japcc.org/aar)).

#### ENR 1.1.10 Flight restrictions in case of smog-alert

Smog-alert may be declared for the entire Amsterdam FIR or for a specific area within the Amsterdam FIR. In case of smog-alert all MIL flights in the area concerned are prohibited, except operational flights which do not allow delay, such as:

- a. Security flights;
- b. Flights for fire-fighting, search and rescue or (MIL) police-tasks;
- c. Special flights approved by the Chief of the RNLAf Airstaff.

The aforementioned flights are to be executed at the highest possible level and, if feasible, above an existing inversion layer. Other ACFT are to avoid the area concerned below FL 195, except for the execution of departure or arrival procedures.

AOCS NM ATC will take appropriate NOTAM action.

#### ENR 1.1.11 Altitude restrictions

Except during take off and landing, the minima specified below apply to NATO MIL ACFT inside FIR Amsterdam:

##### ENR 1.1.11.1 Fixed wing ACFT other than jet ACFT

During Uniform Daylight Period (UDP):

- a. 1000 ft above the highest obstacle, built-up and industrial areas, crowds of people and populated beaches within 600 meters from the ACFTs position. Flights mentioned in ENR 3.5 (LR10) is exempted;
- b. Over the 'Waddenzee': 1500 ft AMSL;
- c. Over sea areas other than in b extending from 1 NM out of the coastline: 100 ft AGL or lower if operationally necessary, while avoiding obstacles;

Outside Uniform Daylight Period (UDP):

- d. 1000 ft above highest obstacle within 600 meters.

### ENR 1.1.11.2 Jet ACFT

During Uniform Daylight Period (UDP) and during weekdays (MON-FRI):

- a. Within Class G airspace: 1200 ft AMSL and 1000 ft above highest obstacle, built-up and industrial areas, crowds of people and populated beaches within 600 meters of the ACFTs position. Flights mentioned in ENR 3.5 (LR10) is exempted;
- b. Over the 'Waddenzee': 1500 ft AMSL;
- c. Over sea areas other than in b extending from 1 NM out of the coastline: 100 ft AGL or lower if operationally necessary, while avoiding obstacles;

Outside Uniform Daylight Period (UDP) and during weekend days (SAT/SUN) and national holidays:

- d. 3000 ft AGL (except for flights executing nightflying exercises between SS/2259 (2159));

During national and international exercises:

Flights executed within published areas are exempted from the altitude restrictions mentioned in a. and d. For combined exercises with ground forces the minimum altitude is 250 ft above obstacles if necessary for the purpose of the exercise.

### ENR 1.1.11.3 HEL

- a. Over built-up, industrial, and harbor areas, crowds of people, and populated beaches: 700 ft above the highest obstacle within 600 meters of the ACFTs position.
- b. Over other land areas than mentioned in a: 150 ft AGL.
- c. Over the 'Waddenzee': 1500 ft AMSL.
- d. Over other sea areas than in c extending from 1 NM out of the coastline: 100 ft AMSL or lower if operationally necessary, while avoiding obstacles.
- e. For combined exercises with ground forces executed within published areas the minimum altitude is 100 ft agl or as low as necessary for the purpose of the exercise.

### ENR 1.1.12 Noise abatement procedures

Below 3000 ft AGL or in controlled airspace flights shall be carried out with an IAS less than 350 KT unless the flight characteristics of the ACFT type concerned or the type of mission to be executed, require higher speeds in which case a maximum IAS of 450 KT shall not be exceeded (for supersonic flights see ENR 1.1 para 8).

#### ENR 1.1.12.1 Nightflying

Nightflying of MIL jet shall be planned as far as practicable at FL 50. For training purposes in the lower airspace (below FL 200) nightflying may only take place on Monday through Thursday and not later than 2300 (2200), unless special permission has been granted by or on behalf of the Cinc RNLAf. This does not apply to flights in- or outbound foreign ADS adjacent to The Netherlands. However, such flights are not allowed below 3000 ft AGL.

### ENR 1.1.12.2 Control zones

For flights within the MIL CTRs situated over Netherlands territory, including the MIL CTR of Kleine-Brögel the following rules apply.

- a. Depending on ACFT type and mission and without jeopardizing safety, ACFT in take off are to climb expeditiously to the minimum altitude established for the ACFT type, provided that the take off power of the engine(s) shall be reduced to normal climb power as soon as practicable;
- b. Splitting up a formation below an altitude of 1000 ft AGL, as well as overflying the AD below the established circuit height shall not be practiced, unless special permission, whereby specific heading and altitude will be stated, has been granted by or on behalf of the CinC RNLAf;
- c. Both touch-and-go and overshoot manoeuvres are to be limited and shall not be executed after 2100 (2000) unless such a manoeuvre is dictated by circumstances and/or for reason of flight safety.

### ENR 1.1.12.3 Use of afterburner

Except for take off and climb afterburner is not to be used below 10000 ft AGL.



**ENR 3.5.6.11 BENE route 6**

- is available for nightflying IFR/VFR and reserved for RNLAf and BAF. The route will be used according to bi-lateral arrangements.
- is depicted on chart ENR 6.

POSITION	NEAREST CITY	ABBR	ALTITUDE
6A 50°44'N005°42'E			3000 ft to
6B 50°36'N005°55'E			
6C 50°18'N006°08'E			4000 ft to
6D 49°43'N005°22'E			
6E 50°06'N005°01'E			
6F 50°08'N004°31'E			
6G 50°15'N004°12'E			2000 ft to
6H 50°31'N003°40'E			
6J 50°54'N003°15'E			3000 ft to
51°15'N003°48'E	BDRY		2000 ft to
6K 51°32'N004°06'E	ST. MAARTENSDIJK	MDYK	
6L 51°45'N005°17'E	HEDEL	HEDL	3000 ft to
6M 51°49'N005°44'E	WIJCHEN	WYCH	
6N 51°25'N006°04'E	SEVENUM	SEVE	2000 ft to
6O 51°08'N005°52'E			1000 ft to
6P 51°03'N005°27'E			4000 ft turn left to
BBL TACAN		BBL	3000 ft to base
EHVK ENTRY: EHVK		EHVK	3000 ft to
51°14'N005°55'E	ROERMOND	RMND	
50°46'N005°59'E		BDRY	
6B 50°36'N005°55'E			
EHVK EXIT:			
6P 51°03'N005°27'E			4000 ft then turn left to
BBL TACAN		BBL	3000 ft to
EHVK		EHVK	

**ENR 3.5.7 Vliehors range departures**

The Vliehors range departures VL 1 and VL 2 are depicted on charts ENR 6.

**ENR 3.5.8 Air to Air Refueling tracks**

Refueling tracks depicted on chart ENR 6.

**ENR 3.6 En-route holding**

Not applicable.

## ENR 3.7 E-3A (AWACS) ORBIT AREAS

### General

Only missions of E-3A (AWACS) aircraft within the Dutch and Belgian airspace are performed in E-3A (AWACS) Orbit Areas.

### Description of areas

The following orbit areas are established within the lateral limits of EHAA FIR and EBUR UIR.

#### NL1

Area Coordinates	Lobe	Lobe coordinate	Radius	Remarks
53°30'00.00"N 004°35'00.00"E	1	53°48'00.00"N 005°37'00.00"E	15 NM	FL to be determined in coordination with controlling agency
54°04'00.00"N 004°12'00.00"E	2	54°03'00.00"N 004°42'00.00"E	15 NM	
55°00'00.00"N 005°00'00.00"E	3	54°41'00.00"N 005°14'00.00"E	15 NM	
55°00'00.00"N 005°34'00.00"E				
53°37'00.00"N 006°10'00.00"E				
53°30'00.00"N 005°33'00.00"E				

#### NL2

Area Coordinates	Lobe	Lobe coordinate	Radius	Remarks
50°55'00.00"N 005°00'00.00"E	1	51°50'00.00"N 005°30'00.00"E	15 NM	FL to be determined in coordination with controlling agency
52°10'00.00"N 005°00'00.00"E	2	51°18'00.00"N 005°27'00.00"E	12 NM	
52°05'00.00"N 006°00'00.00"E				
51°04'48.00"N 005°52'20.00"E				

## ENR 6. EN-ROUTE CHARTS

TACAN route structure FIR Amsterdam	ENR 6.1-1
Link route 10	ENR 6.1-2
MIL low flying areas/routes for HEL and propeller driven training ACFT	ENR 6.1-3
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AWX route 1	ENR 6.1-5
AWX route 2/2A Volkel	ENR 6.1-6
AWX route 2B Volkel	ENR 6.1-7
AWX route 5	ENR 6.1-8
BENE route 1-1A-1B-1S(hort)	ENR 6.1-9
BENE route 1C	ENR 6.1-10
BENE route 3-3A	ENR 6.1-11
BENE route 4	ENR 6.1-12
BENE route 5	ENR 6.1-13
BENE route 6	ENR 6.1-14
VL 1 departure	ENR 6.1-15
VL 2 departure	ENR 6.1-16
SHADED AREA	ENR 6.1-17
WINDOW 1	ENR 6.1-18
WINDOW 2	ENR 6.1-19
WINDOW 3	ENR 6.1-20
MIL TACAN/NDB positions	ENR 6.1-21
Transponder Mandatory Zones	ENR 6.1-22
CAROL SHORT	ENR 6.1-23
CAROL LONG	ENR 6.1-24
POLLY	ENR 6.1-25
CAROL POLLY	ENR 6.1-26

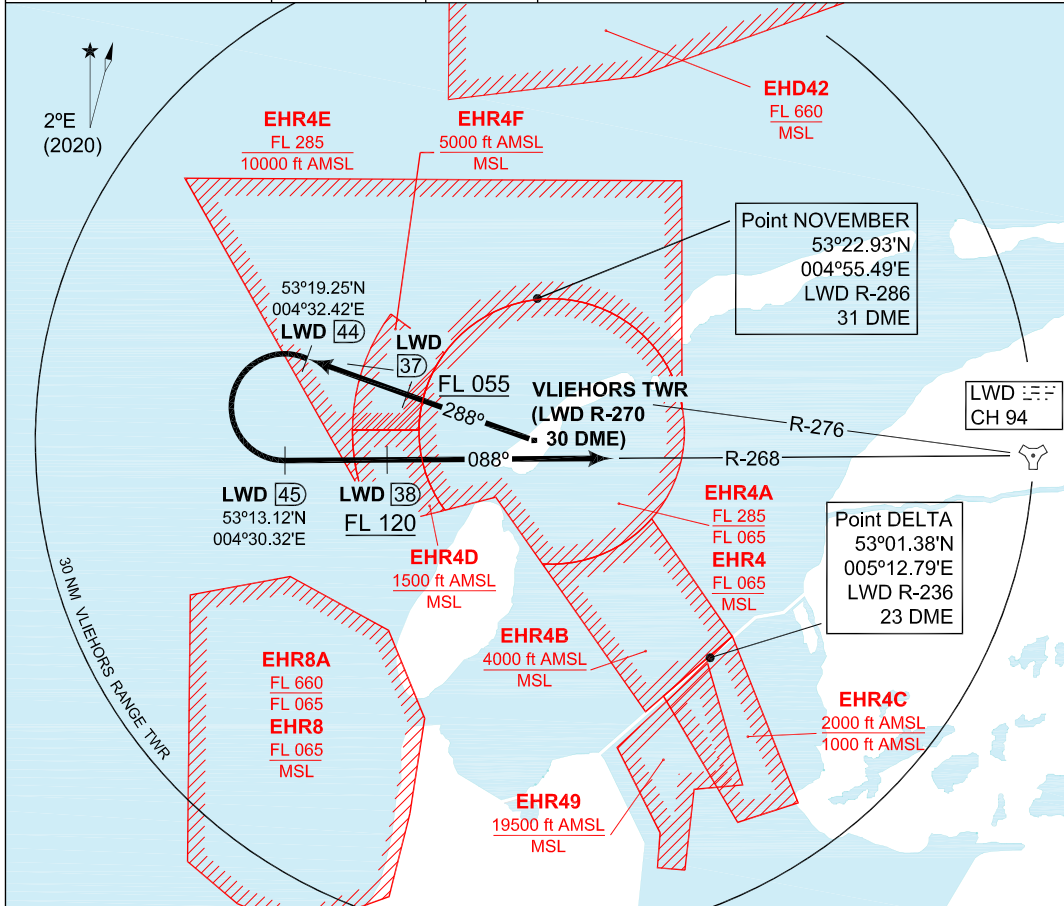


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**VL 1 DEPARTURE**

**MIPS SPECIAL DEPARTURE CHART** **VL 1 VLIEHORS RANGE**

CORNFIELD 291.650	DUTCH MIL INFO 341.600 132.350		
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**NOTES:**  
 - Upper limit of Vliehors Range FL 285.  
 - GCA/TACAN traffic into EHLW may cross at or near point Delta at or above 2000 ft AMSL.

VL 1 TEARDROP IFR DEPARTURE	Following final delivery, proceed outbound on heading 288° from the tower, climbing to FL 120 or above. At 37 DME from LWD TACAN, FL 055 has to be reached. Proceed outbound to 15 NM from the range (LWD TACAN R-276/44 DME) and turn left to intercept LWD R-268 inbound. When cleared to leave the range frequency and established on the departure, contact Dutch Mil. Flight members will follow in sequence. When contact with Dutch Mil and at FL 120 or above, it is permitted to turn inbound before reaching LWD R-276/44 DME.
IMMELMANN IFR DEPARTURE	Departing aircraft may perform an Immelmann manoeuvre (under VMC only) to become established inbound on LWD R-268. Further see above.
LOW LEVEL IFR DEPARTURE (Northern based FRG acft only)	Leave via point NOVEMBER to 53°42'N 006°52'E at 3000 ft AMSL (day) or 2000 ft AMSL (night). Stay clear of all islands by 2 NM and do not leave the Range airspace until cleared by Dutch Mil.
HIGH LEVEL IFR DEPARTURE	To leave the Vliehors Range between 20000 ft and FL 285, stay within the lateral limits of the Range until cleared by Dutch Mil (CH 6). Only when proceeding inbound the EHD01-09 a direct call to 'Bandbox Main' is approved. Also stay within the lateral limits of the Range until cleared by 'Bandbox'.

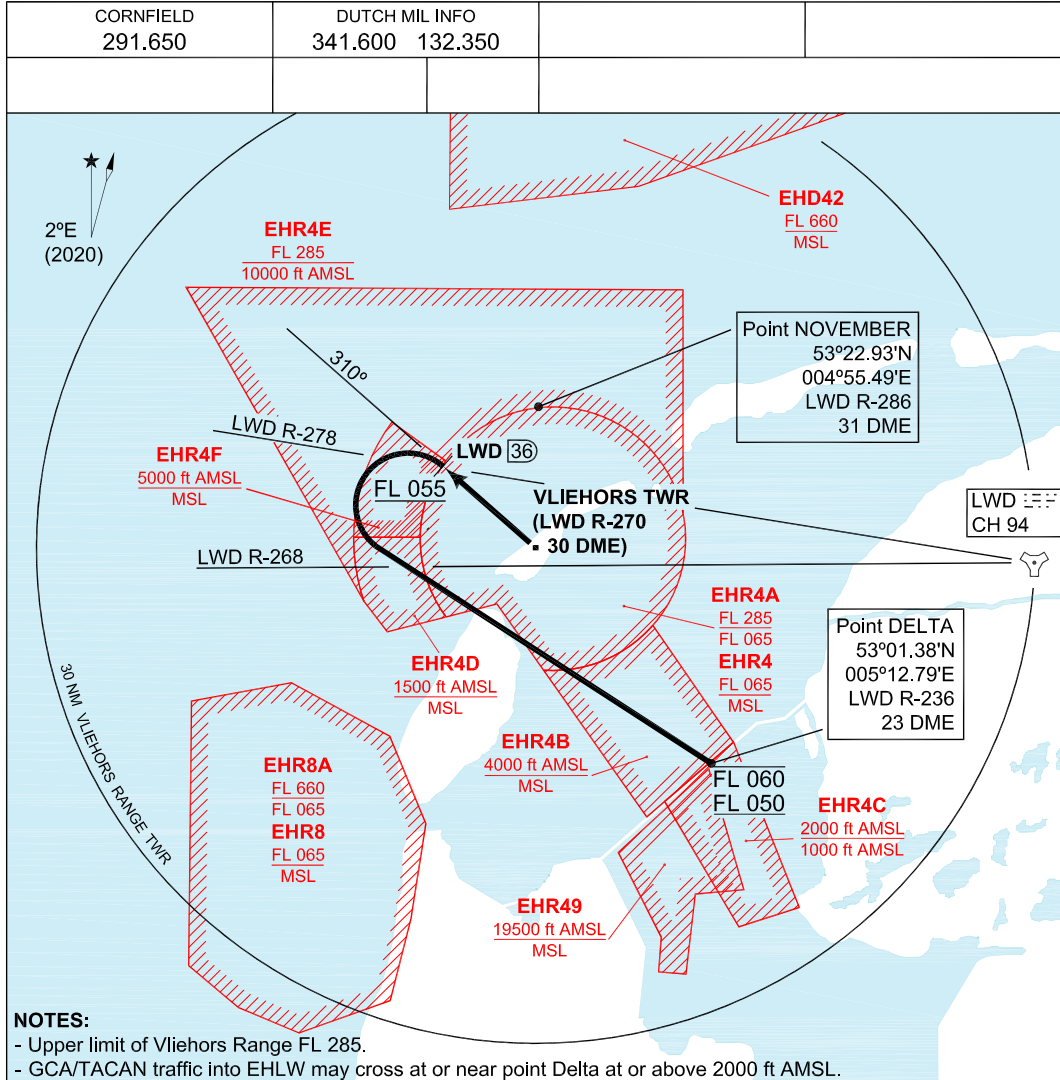
CHANGES: NEW LAYOUT

RNLAf 16 JUN 2022

**VL 2 DEPARTURE**

**MIPS SPECIAL DEPARTURE CHART**

**VL 2 VLIEHORS RANGE**



**NOTES:**

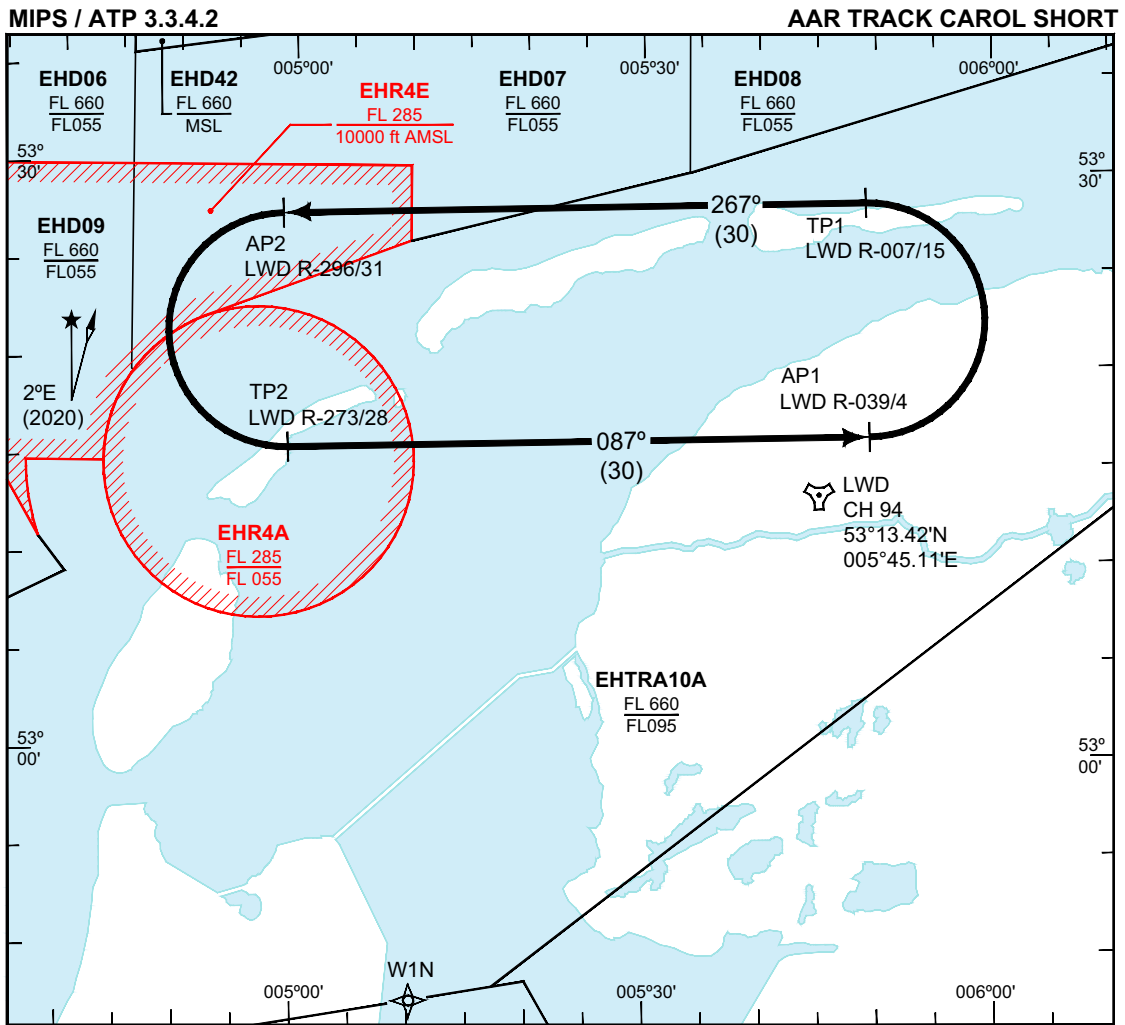
- Upper limit of Vliehors Range FL 285.
- GCA/TACAN traffic into EHLW may cross at or near point Delta at or above 2000 ft AMSL.

VL 2 TEARDROP IFR DEPARTURE	Following final delivery, proceed outbound on heading 310° from the tower, climbing to max. FL 060. When passing LWD R-278 FL 055 has to be reached and turn left inbound point DELTA (LWD TACAN R-236/23 DME). Contact Dutch Mil when established on the departure and cleared to leave the range frequency. Contact with Dutch Mil shall be established within the boundary of the EHR4. Flight members will follow in sequence.
IMMELMANN IFR DEPARTURE	Departing aircraft may perform an Immelman manoeuvre (under VMC only) to become established inbound on LWD R-268. Further see above.
LOW LEVEL IFR DEPARTURE (Northern based FRG acft only)	Leave via point NOVEMBER to 53°42'N 006°52'E at 3000 ft AMSL (day) or 2000 ft AMSL (night). Stay clear of all islands by 2 NM and do not leave the Range airspace until cleared by Dutch Mil.
HIGH LEVEL IFR DEPARTURE	To leave the Vliehors Range between 20000 ft and FL 285, stay within the lateral limits of the Range until cleared by Dutch Mil (CH 6). Only when proceeding inbound the EHD01-09 a direct call to 'Bandbox Main' is approved. Also stay within the lateral limits of the Range until cleared by 'Bandbox'.

CHANGES: NEW LAYOUT

RNLAf 16 JUN 2022

AAR charts

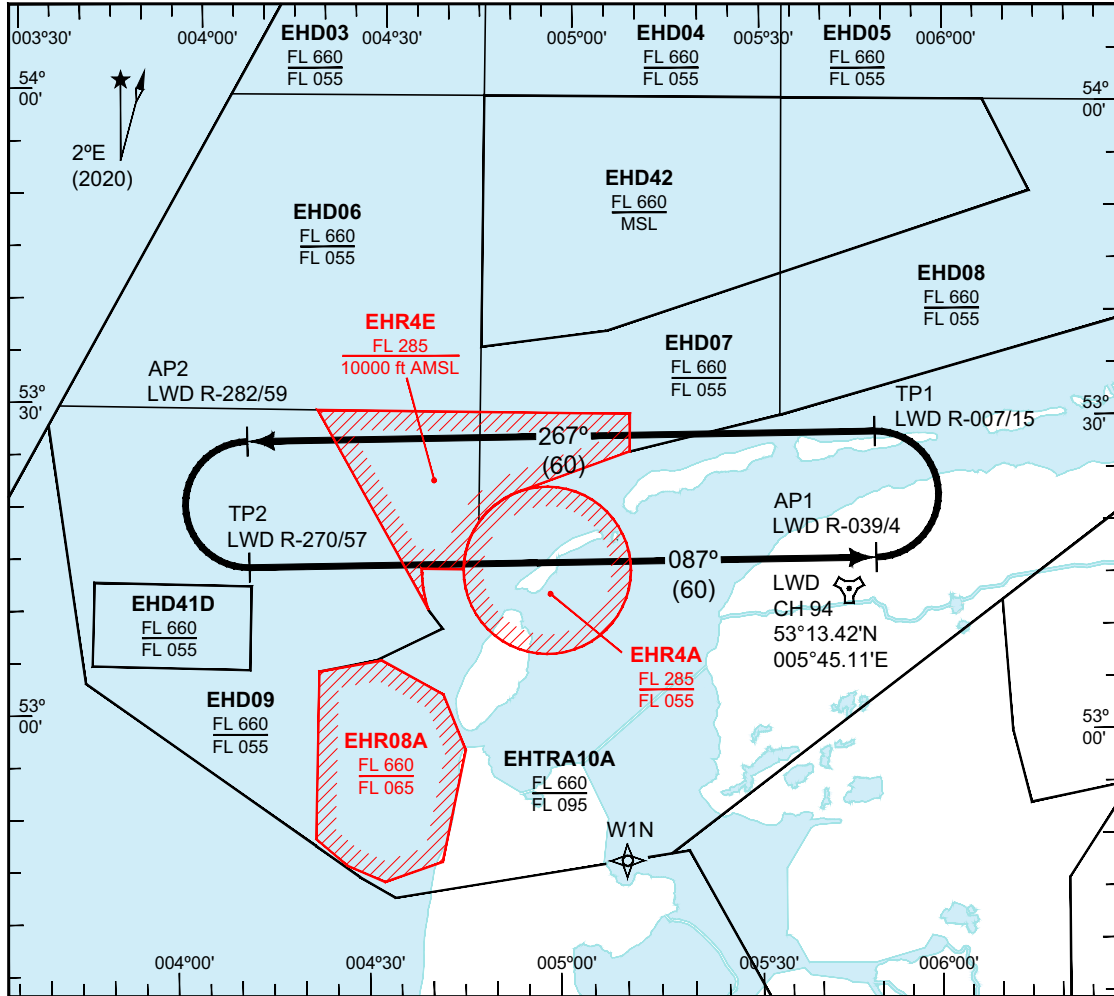


Anchor Points:	AP1 = LWD R-039/4NM 53°16.41'N005°49.45'E	Leg length:	30 NM
	TP1 = LWD R-007/15NM 53°28.45'N005°49.14'E	Leg separation:	12 NM
	AP2 = LWD R-296/31NM 53°27.82'N004°58.96'E	Level block:	FL260 - FL290
	TP2 = LWD R-273/28NM 53°15.78'N004°59.50'E	Refuelling base level:	FL280
Rendezvous Point:	not defined		
Air Refuelling Initial point (ARIP):	not defined		
Magnetic course:	087° / 267°		
Waypoint W1N:	52°47.33'N005°10.23'E		

CHANGES: NEW CHART

RNLAF 16 JUN 2022

MIPS / ATP 3.3.4.2 AAR TRACK CAROL LONG



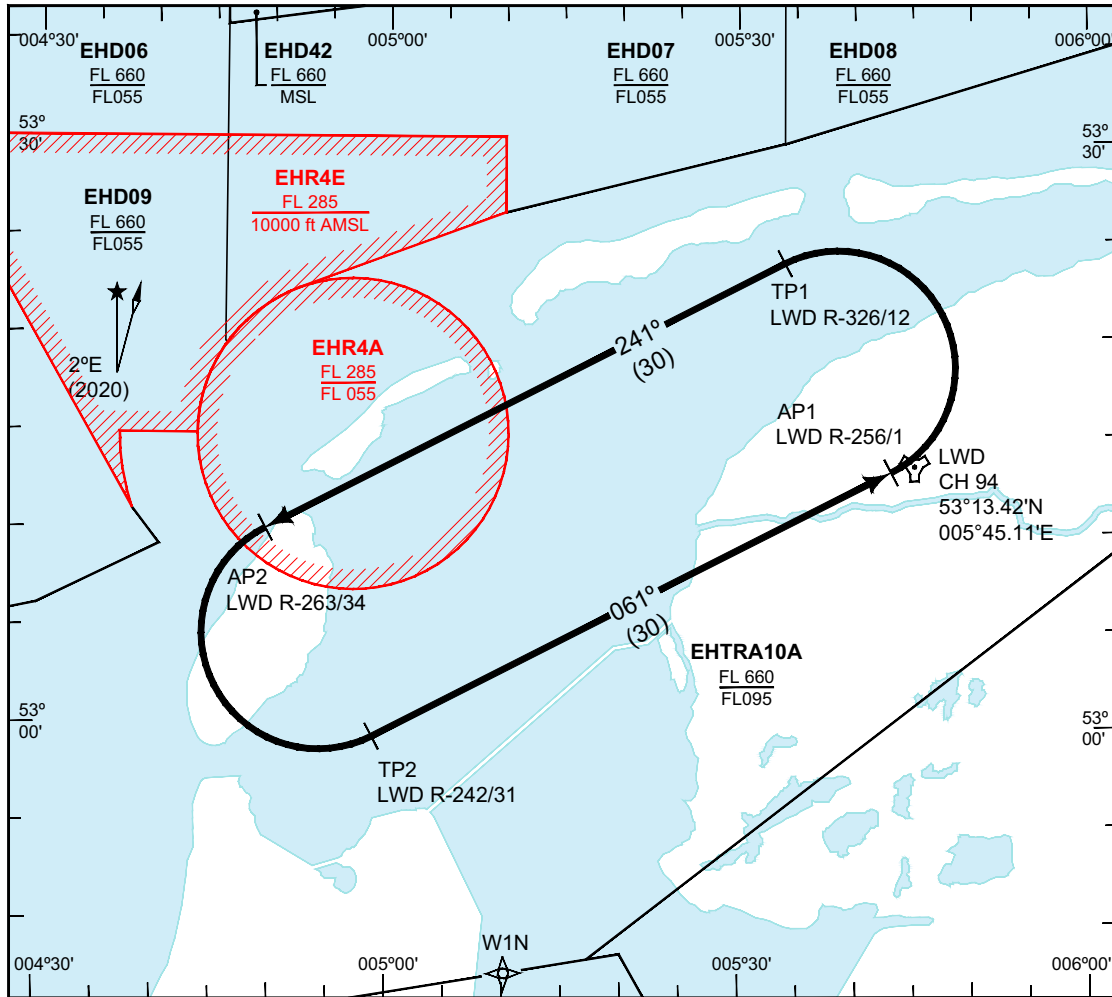
<p>Anchor Points:</p> <ul style="list-style-type: none"> <li>AP1 = LWD R-039/4NM 53°16.41'N005°49.45'E</li> <li>TP1 = LWD R-007/15NM 53°28.45'N005°49.14'E</li> <li>AP2 = LWD R-282/59NM 53°26.84'N004°08.80'E</li> <li>TP2 = LWD R-270/57NM 53°14.81'N004°09.58'E</li> </ul> <p>Rendezvous Point: not defined</p> <p>Air Refuelling Initial point (ARIP): not defined</p> <p>Magnetic course: 087° / 267°</p> <p>Waypoint W1N: 52°47.33'N005°10.23'E</p>	<p>Leg length: 60 NM</p> <p>Leg separation: 12 NM</p> <p>Level block: FL260 - FL290</p> <p>Refuelling base level: FL280</p>
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CHANGES: NEW CHART

RNLAf 16 JUN 2022



MIPS / ATP 3.3.4.2 AAR TRACK POLLY



Anchor Points:	AP1 = LWD R-256/1NM 53°13.15'N005°43.10'E	Leg length:	30 NM
	TP1 = LWD R-326/12NM 53°23.89'N005°33.98'E	Leg separation:	12 NM
	AP2 = LWD R-263/34NM 53°10.14'N004°49.58'E	Level block:	FL260 - FL290
	TP2 = LWD R-242/31NM 52°59.46'N004°58.83'E	Refuelling base level:	FL280
Rendezvous Point:	not defined		
Air Refuelling Initial point (ARIP):	not defined		
Magnetic course:	061° / 241°		
Waypoint W1N:	52°47.33'N005°10.23'E		

CHANGES: NEW CHART

RNLAf 16 JUN 2022

