

ETMN AD 2.1 Aerodrome Location Indicator and Name

ETMN - Nordholz
(See-Flughafen Cuxhaven/Nordholz)

ETMN AD 2.2 Aerodrome Geographical and Administrative Data

1	ARP coordinates and site at AD	53°46.0570'N 008°39.5112'E 350m, 012° from TWR
2	Direction and distance from (city)	1 NM, 120° from Nordholz
3	Elevation / Reference temperature	74 ft (23 m) 20.9 °C
4	Geoid undulation at AD ELEV PSN	
5	MAG VAR / Annual change	1.00° E (2009.0) / 0.11° E
6	AD Administration	<i>mil:</i> German Navy <i>civ:</i> Permanent civil co-utilization: Flughafen-Betriebsgesellschaft Cuxhaven/Nordholz mbH
	Address	<i>mil:</i> Marinefliegergeschwader 3 "Graf Zeppelin" Flugbetriebsstaffel Peter-Strasser-Platz 1 27637 Nordholz <i>civ:</i> Flughafen-Betriebsgesellschaft Cuxhaven/Nordholz mbH Walther Carstens Str. 27637 Nordholz
	Telephone	<i>mil:</i> +49 4741 94-1528 / 1529 FspNBw 2513-1528 / 1529 <i>civ:</i> +49 4741 1818-0
	Telefax	<i>mil:</i> +49 4741 94-1536 FspNBw 2513-1536 <i>civ:</i> +49 4741 1818-18
	AFS	<i>mil:</i> ETMNZPZX
	E-mail	<i>mil:</i> FlugberatungNordholz@bundeswehr.org
7	Types of traffic permitted (IFR/VFR)	IFR / VFR
8	Remarks	NIL

ETMN AD 2.3 Operational Hours

1	AD Administration	<i>mil:</i> MON - THU 0700 - 1600++, FRI 0700 - 1200++ CLSD HOL <i>civ:</i> MON - THU 0700 - 1600++, FRI 0700 - 1200++ HOL and O/T PPR
2	Customs and immigration	<i>mil:</i> HO, Customs O/R 3 HR <i>civ:</i> O/R
3	Health and sanitation	<i>mil:</i> HO <i>civ:</i> NIL
4	AIS Briefing Office	<i>mil:</i> HO <i>civ:</i> H24, EDDZ TEL: +49 69 78072-500
5	ATS Reporting Office (ARO)	HO
6	MET Briefing Office	<i>mil:</i> HO <i>civ:</i> H24
7	ATS	HO
8	Fuelling	HO
9	Handling	HO
10	Security	<i>mil:</i> H24 <i>civ:</i> NIL
11	De-icing	<i>mil:</i> HO <i>civ:</i> Not available
12	Remarks	NIL

ETMN AD 2.4 Handling Services and Facilities

1	Cargo-handling facilities	<i>mil:</i> Available <i>civ:</i> O/R
2	Fuel / oil types	<i>mil:</i> F - 34 / H - 515, H - 537, O - 133, O - 135, O - 138, O - 148, O - 149, O - 156, O - 160, O - 190 <i>civ:</i> JET A-1 / OIL: all grades PPR
3	Fuelling facilities / capacity	<i>mil:</i> Fuel trucks <i>civ:</i> Fuel trucks
4	De-icing facilities	<i>mil:</i> Fluids: TL 6850 - 0043 <i>civ:</i> Not available
5	Hangar space for visiting aircraft	<i>mil:</i> O/R <i>civ:</i> Not available
6	Repair facilities for visiting aircraft	<i>mil:</i> P3C, ATLA, LYNX, DO228 <i>civ:</i> Not available
7	Oxygen	<i>mil:</i> OXRB <i>civ:</i> Not available
8	Aircraft starting units	<i>mil:</i> G - 40, RST - 180, PRESAIR, Starting fluids: S - 1744 <i>civ:</i> Not available
9	Remarks	<i>mil:</i> De-icing only for acft not bigger than C160 / ATLA.

ETMN AD 2.5 Passenger Facilities

1	Hotels	<i>mil:</i> Military accommodation in quartering area (limited capacity). <i>civ:</i> In Nordholz, Cuxhaven
2	Restaurants	In Nordholz, Cuxhaven
3	Transportation	Bus, Taxi, Railway
4	Medical facilities	<i>mil:</i> Dispensary, 2 ambulances <i>civ:</i> DRK, Rettungsleitstelle Cuxhaven
5	Bank and Post Office	In Nordholz, Cuxhaven
6	Tourist Office	In Nordholz, Cuxhaven
7	Remarks	NIL

ETMN AD 2.6 Rescue and Fire Fighting Services

1	AD category for fire fighting	Cat 8
2	Rescue equipment	NIL
3	Capability for removal of disabled aircraft	2 cranes
4	Remarks	NIL

ETMN AD 2.7 Seasonal Availability - Clearing

1	Types of clearing equipment	Available
2	Clearance priorities	RWY, TWY "S", TWYs, APRON
3	Remarks	All year round usable, information on snow clearance published by SNOTAM.

ETMN AD 2.8 Aprons, Taxiways and Check Locations / Positions Data

1	Apron surface and strength	Concrete, LCN 82			
2	Taxiway width, surface and strength	Main 22.5 m Concrete LCN 120	Northern 16 m Concrete LCN 120	Southern 13 m Concrete LCN 114	Civil 23 m Concrete PCN 101
3	Altimeter checkpoint location and elevation	AP08: 53°45.86'N 008°38.41'E, 63 ft AP26: 53°46.13'N 008°40.65'E, 35 ft			
4	VOR checkpoints	Not available			
5	INS checkpoints	AP08: 53°45.86'N 008°38.41'E, AP26: 53°46.13'N 008°40.65'E,			
6	Remarks	NIL			

ETMN AD 2.9 Surface Movement Guidance and Control System and Markings

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Follow - me car, taxiway markers, taxiway signs (lighted)
2	RWY and TWY markings and LGT	RWY designator, -centerline, TWY centerline
3	Stop bars	NIL
4	Remarks	NIL

ETMN AD 2.10 Aerodrome Obstacles

See AD 2 ETMN 2 - 1 AERODROME CHART

ETMN AD 2.11 Meteorological Information Provided

1	Associated MET Office	<i>mil:</i> MetO ETMN <i>civ:</i> INFOMET Hamburg, TEL: 0900 10 88 33 1 ¹⁾
2	Hours of service MET Office outside hours	<i>mil:</i> HO <i>civ:</i> H24 <i>mil:</i> Fleet Command - DepGIS, Glücksburg
3	Office responsible for TAF preparation Periods of validity	ETMN, see Mil AIP GEN 3.5 - 11
4	Trend forecast Interval of issuance	Colour state trend
5	Briefing / consultation provided	<i>mil:</i> General weather briefing, weather briefing verbal and by phone. <i>civ:</i> Selfbriefing facilities in responsibility of AD administration.
6	Flight documentation Language(s) used	Charts, abbreviated plain language text German / English
7	Charts and other information available for briefing or consultation	<i>mil:</i> Chart Display, additional charts on request. <i>civ:</i> Further information available by FAX on demand service: +49 69 8056-1
8	Supplementary equipment available for providing information	<i>mil:</i> Data display
9	ATS units provided with information	TWR, RADAR
10	Additional information (limitation of service, etc.)	<i>mil:</i> MetO ETMN, TEL: +49 4741 94-1561, FspNBw 2513-1561 FAX: +49 4741 94-1564, FspNBw 2513-1564 <i>civ:</i> Individual weather consultation: ACA North TEL: 0900 10 77 22 1 ¹⁾ ¹⁾ Value-added service prices see AIP GEN 3.5 -11 and 12

ETMN AD 2.12 Runway Physical Characteristics

RWY Designator	True BRG	Dimensions of RWY (m)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
08	078.52°	2439 x 45	LCN 120 Concrete	53°45.92608'N 008°38.42350'E	THR 68.6 ft TDZ 72.5 ft
26	258.52°	2439 x 45		53°46.18782'N 008°40.59905'E	THR 39.4 ft TDZ 52.2 ft

Slope of RWY - SWY	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
7	8	9	10	11	12
0.2% / -0.3% / -1.0% 813 m / 813 m / 813 m	Not available	Not available	2559 x 300	NIL	NIL
1.0% / 0.3% / -0.2% / -0.9% 813 m / 813 m / 813 m / 275 m	275 x 45	275 x 150	2834 x 300		

Aircraft Arresting Systems				
RWY Designator	No	Type	Location / Remarks	Usable
13	14	15	16	17
08	1	44B - 2D	16 ft before threshold O/R 10 min	Yes
	2	44B - 2D	16 ft beyond end of RWY	Yes
26	1	44B - 2D	16 ft before threshold O/R 10 min	Yes
	2	44B - 2D	16 ft beyond end of RWY	Yes

ETMN AD 2.13 Declared Distances

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
08	2439	2439	2439	2439	NIL
26	2439	2714	2714	2439	

ETMN AD 2.14 Approach and Runway Lighting

RWY Designator	APCH LGT type length INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ LGT length	RWY Centre Line LGT length spacing colour INTST	RWY Edge LGT length spacing colour INTST	RWY End LGT colour WBAR	SWY LGT length colour	Remarks
1	2	3	4	5	6	7	8	9	10
08	Modified NATO-standard White LIH AFLS	Green	PAPI 3.0°	NIL	0 - 1500m White 1500-2100m Red / white 2100-2400m Red 32 m LIH	White LIH Distance from RWY edge: 2m	Red	Not available	Red lights at OVRN.
26	Modified NATO-standard White LIH AFLS	Green	PAPI 3.0°	NIL	0 - 1500m White 1500-2100m Red / White 2100-2400m Red 32 m LIH	White LIH Distance from RWY edge: 2m	Red	Red	NIL

ETMN AD 2.15 Other Lighting, Secondary Power Supply

1	ABN / IBN location, characteristics and hours of operation	ABN: white / green
2	LDI location and LGT Anemometer location and LGT	53°45.86'N 008°39.29'E, 214° (T) 438 m from TWR
3	TWY edge and centre line lighting	Blue, LIL
4	Secondary power supply / switch-over time	Available (runway and taxiways), 3 sec
5	Remarks	Obstruction marking and lighting available.

ETMN AD 2.16 Helicopter Landing Area

Not defined. As directed by TWR.

ETMN AD 2.17 ATS Airspace

1	Designation and lateral limits	Nordholz CTR see AIP Germany ENR 2.1
2	Vertical limits	GND - 2600 ft MSL
3	Airspace classification	D
4	ATS unit call sign Language(s)	NORDHOLZ TOWER German, English
5	Transition altitude	5000 ft MSL
6	Remarks	Times of activity: HX

ETMN AD 2.18 ATS Communication Facilities

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
		243.000 121.500	HO HO	Emergency frequencies for all services
RADAR	NORDHOLZ RADAR	278.350 356.125 123.300 129.850 141.600 344.000 376.125 385.400	HO HO HO HO O/R HO O/R HO	SSR - Mode Codes 3 / A 4240 - 4247 Maintenance period: FRI 0700 - 0800++
TWR	NORDHOLZ TOWER	315.700 257.800 142.900 122.100 131.250	HO HO HO HO HO	Civil contact frequency

ETMN AD 2.19 Radio Navigation and Landing Aids

Type of aid MAG VAR, Type of supported OP (for VOR / ILS / MLS give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NDB (1°E / 2009)	NDO	372	H24	53°47.1093'N 008°48.3732'E	22 m 72 ft	079°(T), 4.7 NM from threshold RWY 26. Designated operational range: 30 NM.
TACAN (1°E / 2009)	NDO	CH 118X	H24	53°46.1389'N 008°39.2131'E	36 m 120 ft	295°(T), 0.20 NM from ARP. Designated operational coverage: 000° - 270° 60 NM, FL 500 270° - 360° 180 NM, FL 500. Unreliable between R-020 - R-060 beyond 20 NM at and below 3000 ft MSL.
ILS 26 CAT I LOC (1°E / 2009)	INOW	111.750	H24	53°45.8774'N 008°38.0181'E	20 m 66 ft	LOC course 258°
GP		333.350		53°46.0956'N 008°40.3849'E		Glide path angle: 3°
OM	Dashes	75.000		53°47.1134'N 008°48.3944'E		4.7 NM from threshold RWY 26
MM	Dots and dashes	75.000		53°46.3034'N 008°41.4749'E		0.5 NM from threshold RWY 26

ETMN AD 2.20 Örtliche Besonderheiten

1. Übungsanflüge sind von 1100 - 1300++ verboten.
2. Vogelflug im Gebiet Nordholz.
3. Windkraftanlagen entlang den VFR-Flugstrecken über SIERRA und NOVEMBER sowie in der gesamten Umgebung.

ETMN AD 2.21 Verfahren zur Lärmvermeidung

Kurs RWY HDG bis Überfliegen von 1000 Fuß NN.

ETMN AD 2.22 Flugverfahren

1. IFR - Verfahren

Die Anflug- und Abflugverfahren wurden gemäß 'Criteria for the preparation of Instrument Approach and Departure Procedures (APATC-1)' oder 'Procedures for Air Navigation Services - Aircraft Operations (PANS-OPS)' erstellt. Details siehe Verfahrensseite.

2. LVTO - Verfahren

Low Visibility Take-Off Verfahren während der allgemeinen Platzöffnungszeit ab einer Mindestsichtweite (RVR) von 100 m.

ETMN AD 2.23 Zusätzliche Informationen

NIL

ETMN AD 2.20 Local Traffic Regulations

1. Practice approaches are prohibited from 1100 - 1300++.
2. Bird flying within Nordholz area.
3. Wind power plants along VFR-Routes via SIERRA and NOVEMBER as well as in the entire vicinity.

ETMN AD 2.21 Noise Abatement Procedures

Proceed on RWY heading until passing 1000 ft MSL.

ETMN AD 2.22 Flight Procedures

1. IFR procedures

The IAP and SID procedures are established in accordance with the 'Criteria for the preparation of Instrument Approach and Departure Procedures (APATC-1)' or 'Procedures for Air Navigation Services - Aircraft Operations (PANS-OPS)'. For details see procedure chart.

2. LVTO procedures

Low Visibility Take-Off procedures during general ad operational hours with minimum RVR 100 m.

ETMN AD 2.23 Additional Information

NIL

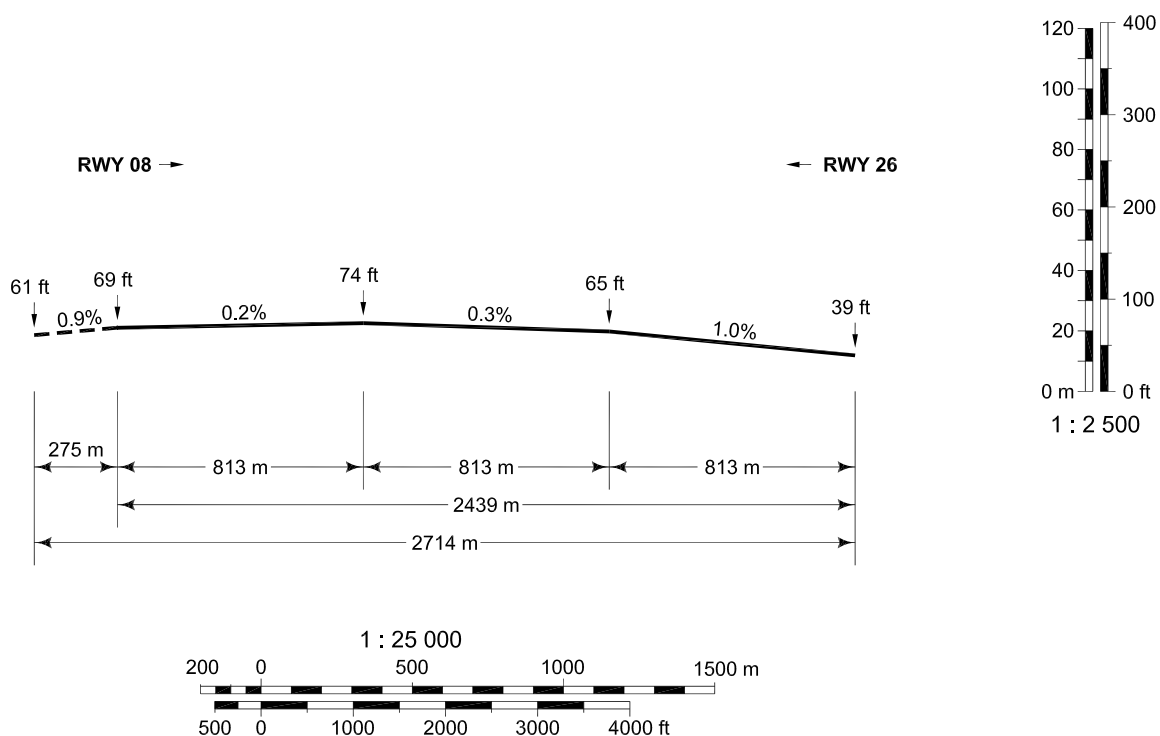
ETMN AD 2.24 Charts related to an Aerodrome

AERODROME CHART	AD 2 ETMN 2 - 1
LONGITUDINAL PROFILES OF RUNWAYS AND STOPWAYS	AD 2 ETMN 2 - 2
LAYOUT/RADAR	CENOR FLIP IAP VOL 2
TACAN RWY 08	CENOR FLIP IAP VOL 2
TACAN RWY 26	CENOR FLIP IAP VOL 2
NDB RWY 26	CENOR FLIP IAP VOL 2 [AD 2 ETMN 3 - 1]*
ILS RWY 26	CENOR FLIP IAP VOL 2 [AD 2 ETMN 3 - 2]*
MN 108 - 126	CENOR FLIP SID [AD 2 ETMN 4 - 1]*
VAD RWY 08 / 26	GEMIL FLIP VAD / AIP VFR
VAD JET RWY 08 / 26	GEMIL FLIP VAD JET

* In the AIP Germany the charts have been taken over unchanged from the military version.

CHANGE: NEW DESIGN, ADDITIONAL DETAILS,SWY

LONGITUDINAL PROFILES OF RUNWAYS AND STOPWAYS

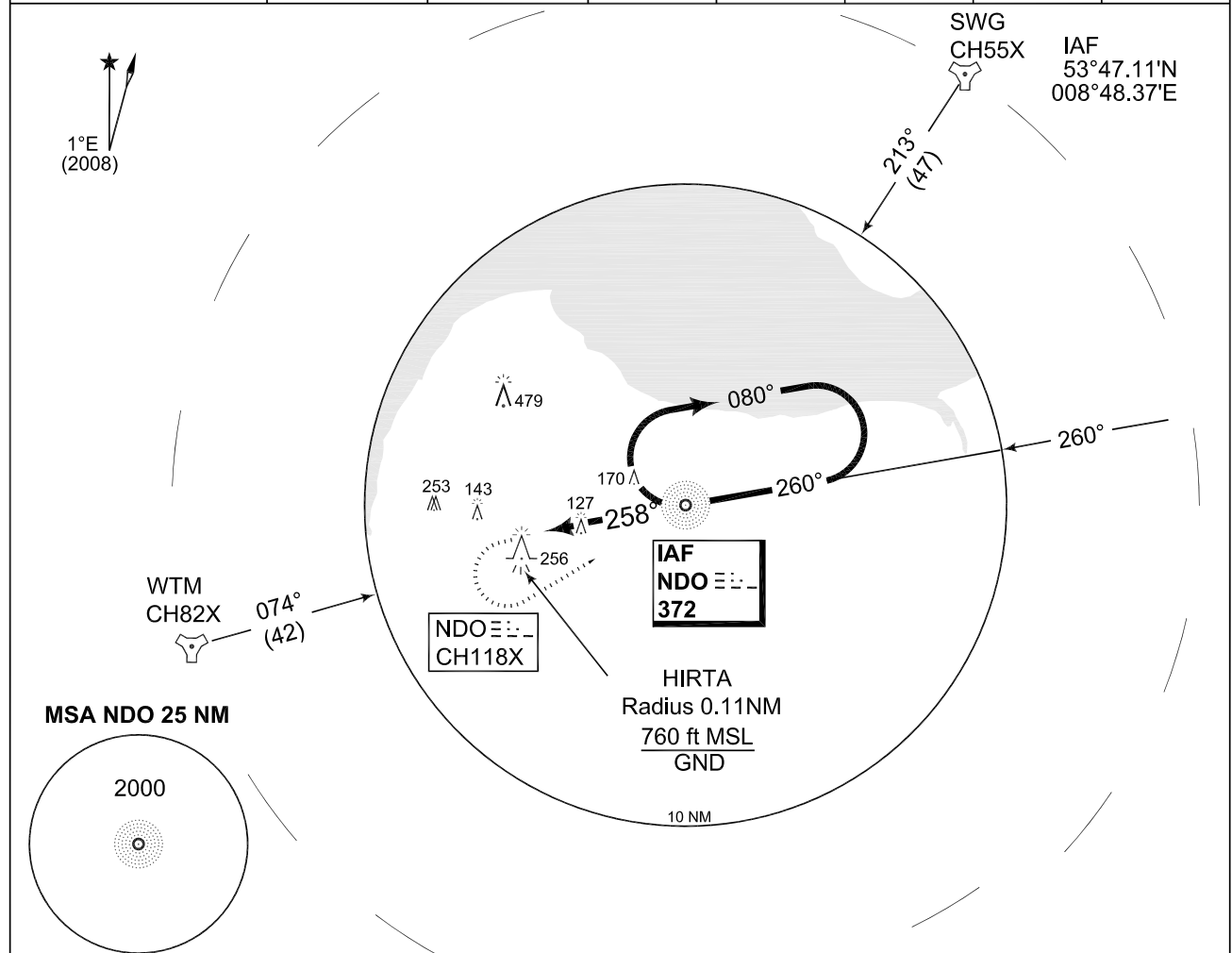


TERPS INSTRUMENT APPROACH CHART

AD ELEV 74

**NDB RWY 26
NORDHOLZ (ETMN)**

BREMEN RADAR 313.225		NORDHOLZ RADAR 278.350 129.850		NORDHOLZ TWR 315.700 142.900			
NDB NDO 372	APP COURSE 258°	FAF ALT 1600	Descent GR	MDA 480	TDZE 67	ALS-Length 2953	LDA 8002

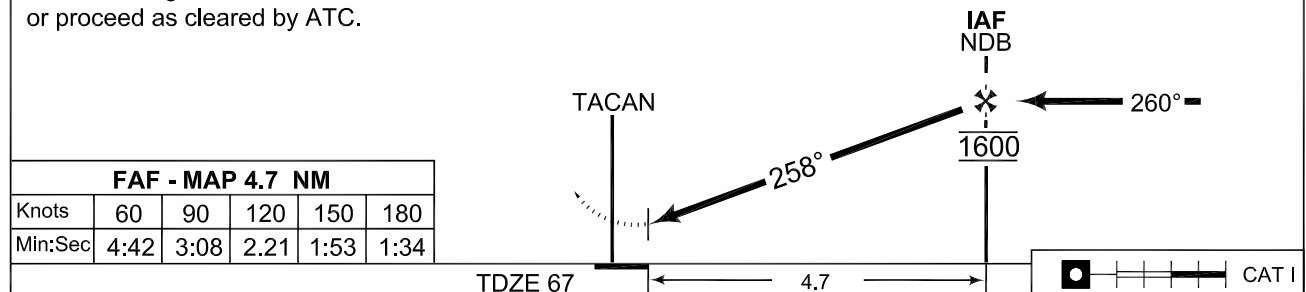


EMERG SAFE ALT 100 NM 2700

MISSED APPROACH

Climb straight ahead to 1600 ft
before turning left to rehome NDB
or proceed as cleared by ATC.

TA 5000



CATEGORY	A	B	C	D	E
S-NDB 26	480 - 0.8 413 (500-0.8/1.6)		480 - 1.2 413 (500-1.2/2.0)		
CIRCLING	560 - 1.6 486 (500-1.6)		560 - 2.4 486 (500-2.4)		

NDB RWY 26

53°46.06'N
008°39.51'E

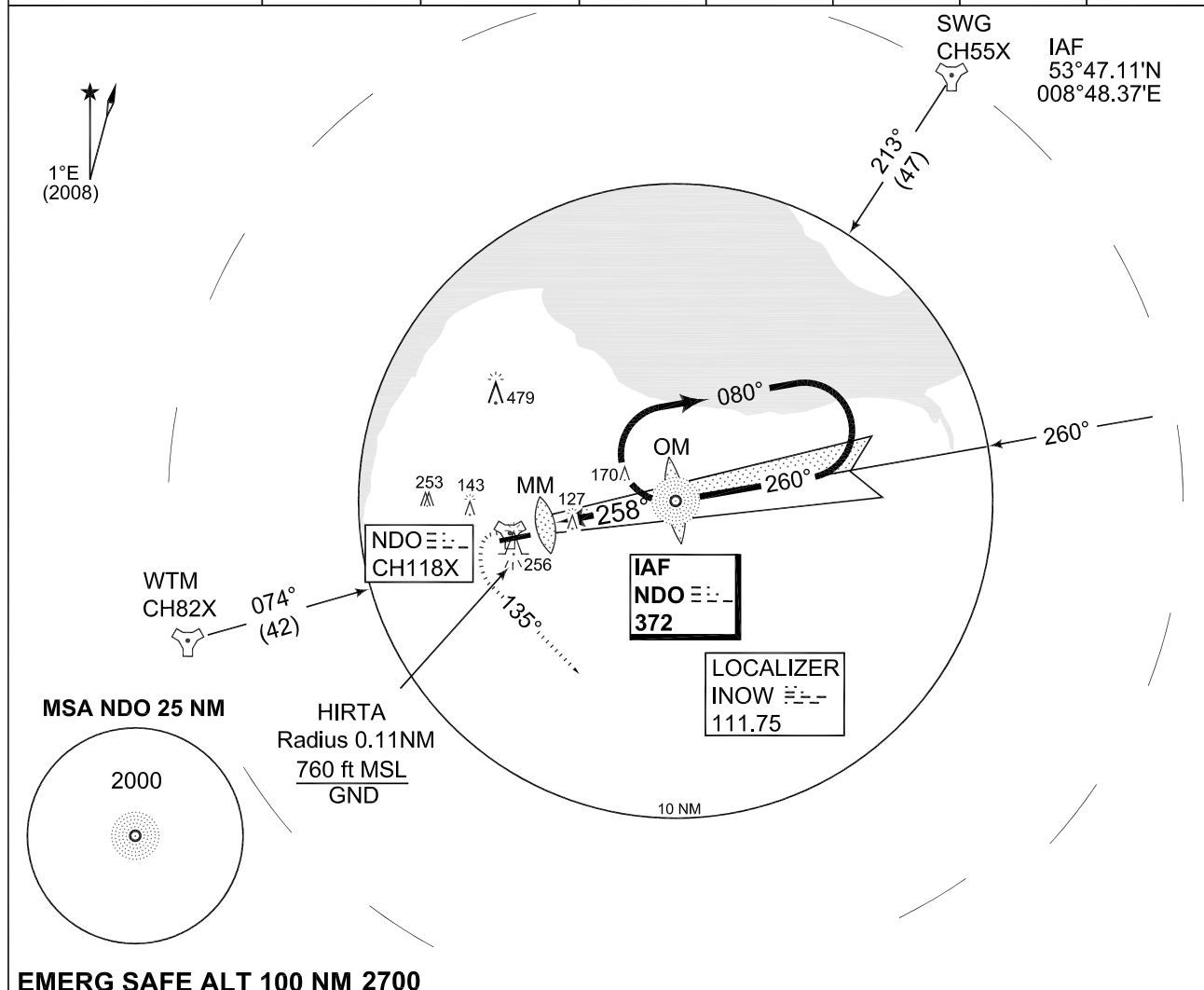
NORDHOLZ (ETMN)

**TERPS
INSTRUMENT APPROACH CHART**

AD ELEV 74

**ILS RWY 26
NORDHOLZ (ETMN)**

BREMEN RADAR 313.225		NORDHOLZ RADAR 278.350 129.850		NORDHOLZ TWR 315.700 142.900			
LOCALIZER INOW 111.75	APP COURSE 258°	GS INTCP ALT 1600	GS 3.0°	DA 267	TDZE 67	ALS-Length 2953	LDA 8002



EMERG SAFE ALT 100 NM 2700

MISSED APPROACH

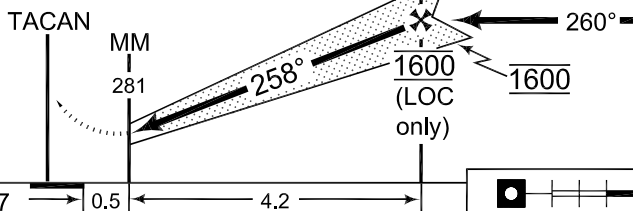
Climb straight ahead to 1000 ft. LT hdg 135°. Continue climbing to 2000 ft. Intercept arc 9 or proceed as cleared by ATC.

TA 5000

FAF - MAP 4.2 NM					
Knots	60	90	120	150	180
Min:Sec	4:12	2:48	2:06	1:41	1:24

GS 3.0°
TCH 59

TDZE 67



CATEGORY	A	B	C	D	E
S-ILS 26	267 - 0.8 200 (200-0.8/1.2)				
S-LOC 26	380 - 0.8 313 (400-0.8/1.6)		380 - 1.2 313 (400-1.2/1.6)		
CIRCLING	560 - 1.6 486 (500-1.6)		560 - 2.4 486 (500-2.4)		

ILS RWY 26

53°46.06'N
008°39.51'E

NORDHOLZ (ETMN)

MN 108 - 126
NORDHOLZ (ETMN)

EMERG SAFE ALT 100 NM 2700

MN 108 (RWY 08)	- Climb on heading 080° up to 2000 ft - Pass 2000 ft within NDO/5 DME - Continue as cleared by ATC
MN 126 (RWY 26)	- Climb on heading 260° up to 2000 ft - Pass 2000 ft within NDO/5 DME - Continue as cleared by ATC

NORDHOLZ (ETMN)

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