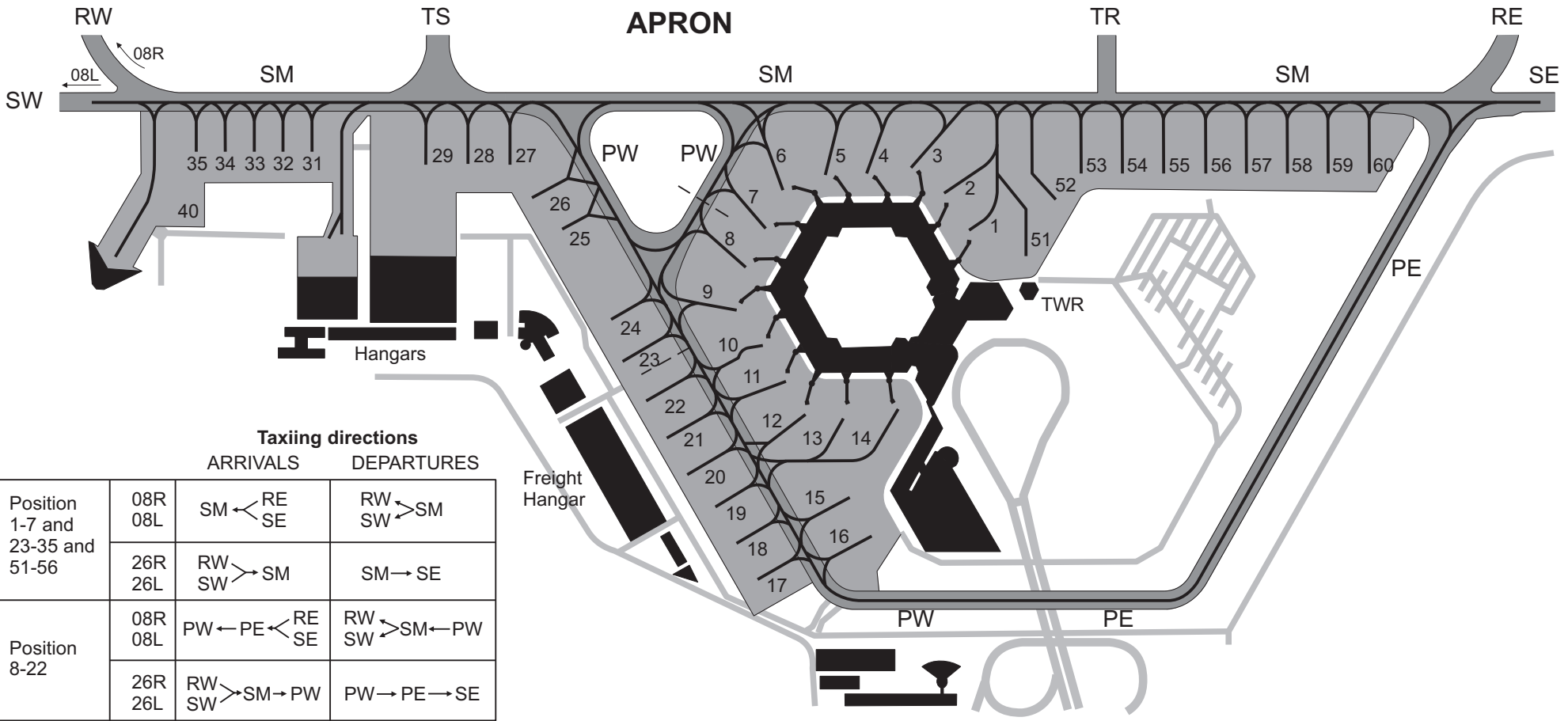
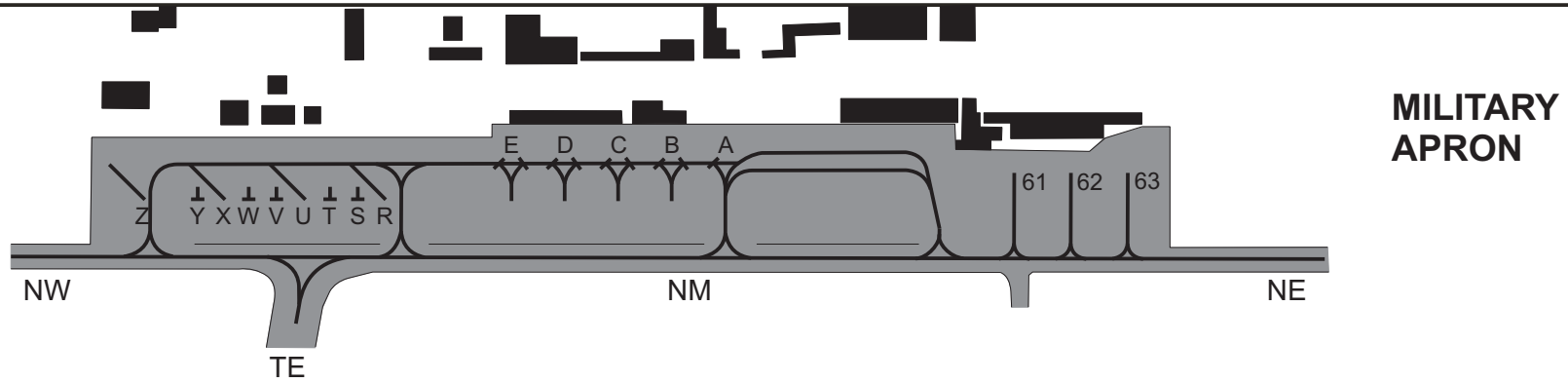


RWY	TORA	TODA	ASDA
08L	3023	3023	3092
26R	3023	3023	3091
08R	2428	2428	2491
26L	2428	2488	2476

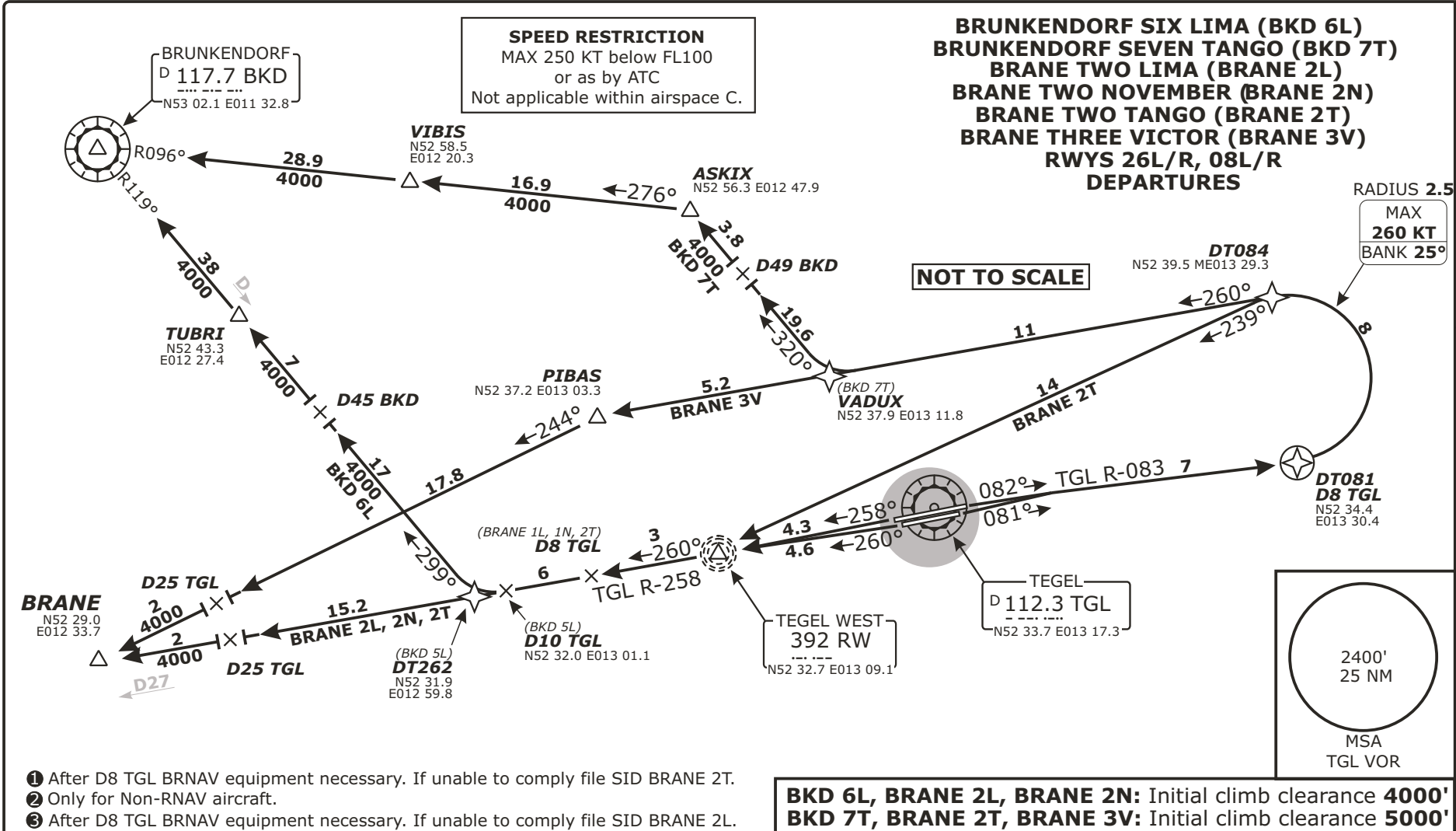


Valid for flight simulation use only - do not use for real life navigation



		Taxiing directions	
		ARRIVALS	DEPARTURES
Position 1-7 and 23-35 and 51-56	08R 08L	SM ← RE SE	RW → SM SW
	26R 26L	RW → SM SW	SM → SE
Position 8-22	08R 08L	PW ← PE ← RE SE	RW → SM ← PW SW
	26R 26L	RW → SM → PW SW	PW → PE → SE

Valid for flight simulation use only - do not use for real life navigation



Trans level: by ATC Trans alt: 5000'

Radar: Bremen Radar 123.220
Departure: Bremen Radar 120.620
Arrival: Bremen Radar 119.700
Bremen Radar 126.420

Tower: 124.52 ATIS: 125.90
Ground: 121.92
121.75
Delivery: 121.92

EDDT/TXL

SID CHART NO.1
Revision 02 MAY 08
Effective 15 FEB 07

BERLIN, GERMANY

- ① After D8 TGL BRNAV equipment necessary. If unable to comply file SID BRANE 2T.
- ② Only for Non-RNAV aircraft.
- ③ After D8 TGL BRNAV equipment necessary. If unable to comply file SID BRANE 2L.

BKD 6L, BRANE 2L, BRANE 2N: Initial climb clearance 4000'
BKD 7T, BRANE 2T, BRANE 3V: Initial climb clearance 5000'

SID	RWY	ROUTING	GPS/FMS RNAV
BKD 6L	26L/R	Climb on runway track to 600' , then to RW, 260° bearing to D10 TGL, turn RIGHT, intercept BKD R-119 inbound via TUBRI to BKD.	(600'+) - RW - DT262 - TUBRI - BKD.
BKD 7T ①	08L/R	Climb on runway track to 600' , intercept TGL R-083 to D8 TGL, turn LEFT MAX 260KT, 260° track to VADUX, turn RIGHT, 320° track to ASKIX, turn LEFT, 276° track via VIBIS to BKD.	(600'+) - DT081 - DT084 (K260-) - VADUX - ASKIX - VIBIS - BKD.
BRANE 2L ②	26L/R	Climb on runway track to 600' , then to RW, 260° bearing, intercept TGL R-259 to BRANE.	(600'+) - RW - BRANE.
BRANE 2N ③			
BRANE 2T ②	08L/R	Climb on runway track to 600' , intercept TGL R-083 to D8 TGL, turn LEFT MAX 260KT, intercept 239° bearing to RW, turn RIGHT, intercept TGL R-259 to BRANE.	(600'+) - DT081 - DT084 (K260-) - PIBAS - BRANE.
BRANE 3V ①		Climb on runway track to 600' , intercept TGL R-083 to D8 TGL, turn LEFT MAX 260KT, 260° track to PIBAS, turn LEFT, 244° track to BRANE.	

Valid for flight simulation use only - do not use for real life navigation

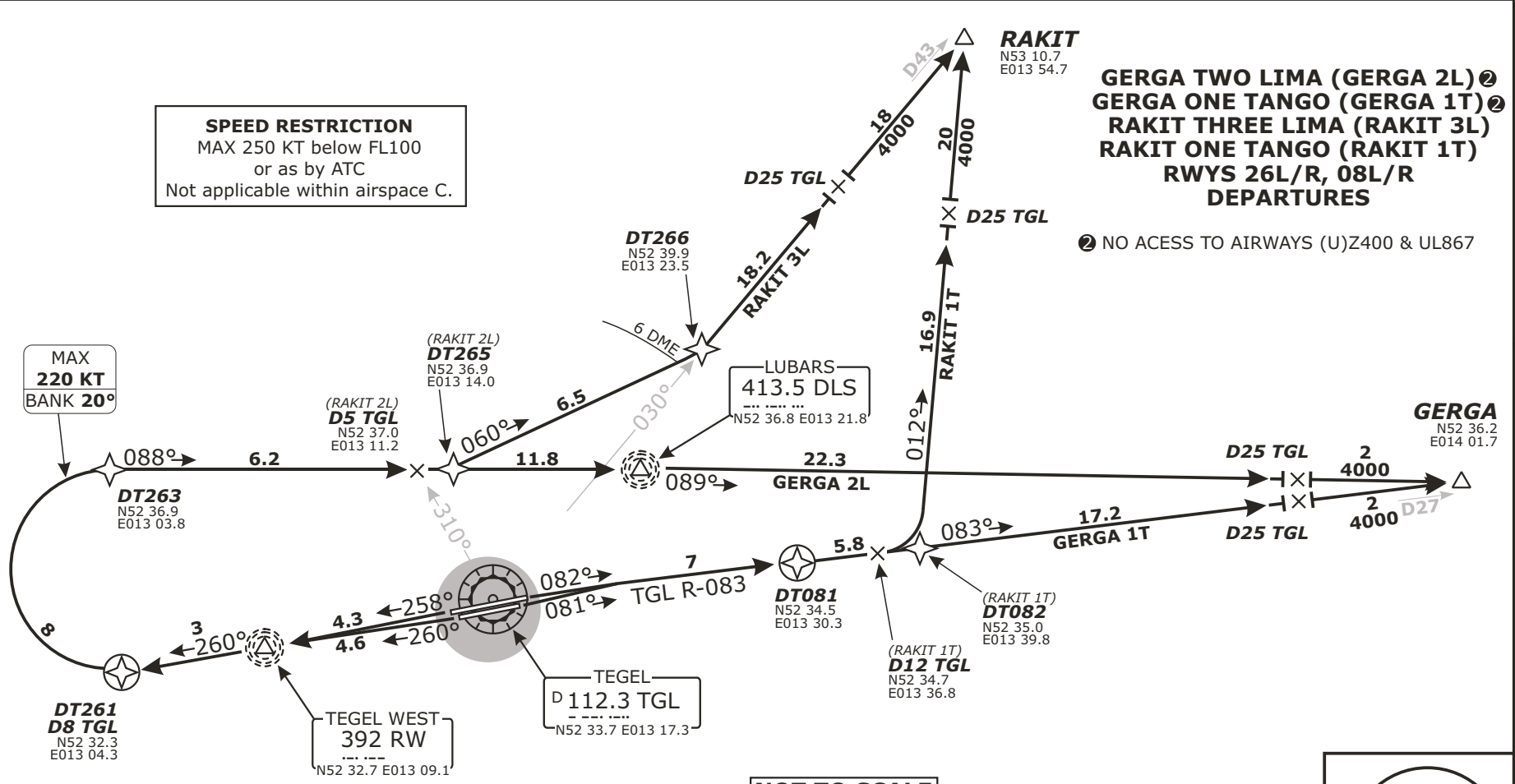
Radar: Bremen Radar 123.220
Departure: Bremen Radar 120.620
Arrival: Bremen Radar 119.700
Bremen Radar 126.420

Tower: 124.52
Ground: 121.92
Delivery: 121.75
ATIS: 125.90
When Delivery is in use

Trans level: by ATC Trans alt: 5000'
1. Remain on TWR frequency until passing altitude 2000 ft, then contact Bremen Radar

GERGA TWO LIMA (GERGA 2L) ②
GERGA ONE TANGO (GERGA 1T) ②
RAKIT THREE LIMA (RAKIT 3L)
RAKIT ONE TANGO (RAKIT 1T)
RWYS 26L/R, 08L/R
DEPARTURES

② NO ACCESS TO AIRWAYS (U)Z400 & UL867



① After D12 TGL BRNAV equipment necessary.
GERGA 2L, RAKIT 3L: Initial climb clearance 4000'
GERGA 1T, RAKIT 1T: Initial climb clearance 5000'

SID	RWY	ROUTING	GPS/FMS RNAV
GERGA 2L ②	26L/R	Climb on runway track to 600' , then to RW, 260° bearing to D8 TGL, turn RIGHT MAX 220KT, intercept 088° bearing to DLS, 089° bearing to GERGA.	(600'+) - RW - DT261 - DT263 (K220-) - DLS - GERGA.
GERGA 1T ②	08L/R	Climb on runway track to 600' , intercept TGL R-083 to GERGA.	(600'+) - DT081 - GERGA.
RAKIT 3L	26L/R	Climb on runway track to 600' , then to RW, 260° bearing to D8 TGL, turn RIGHT MAX 220KT, intercept 088° bearing towards DLS, at D5 TGL (crossing TGL R-310) turn LEFT, 060° track, intercept TGL R-030 to RAKIT.	(600'+) - RW - DT261 - DT263 (K220-) - DT265 - DT266 - RAKIT.
RAKIT 1T ①	08L/R	Climb on runway track to 600' , intercept TGL R-083 to D12 TGL, turn LEFT, 012° track to RAKIT.	(600'+) - DT081 - DT082 - RAKIT.

Valid for flight simulation use only - do not use for real life navigation

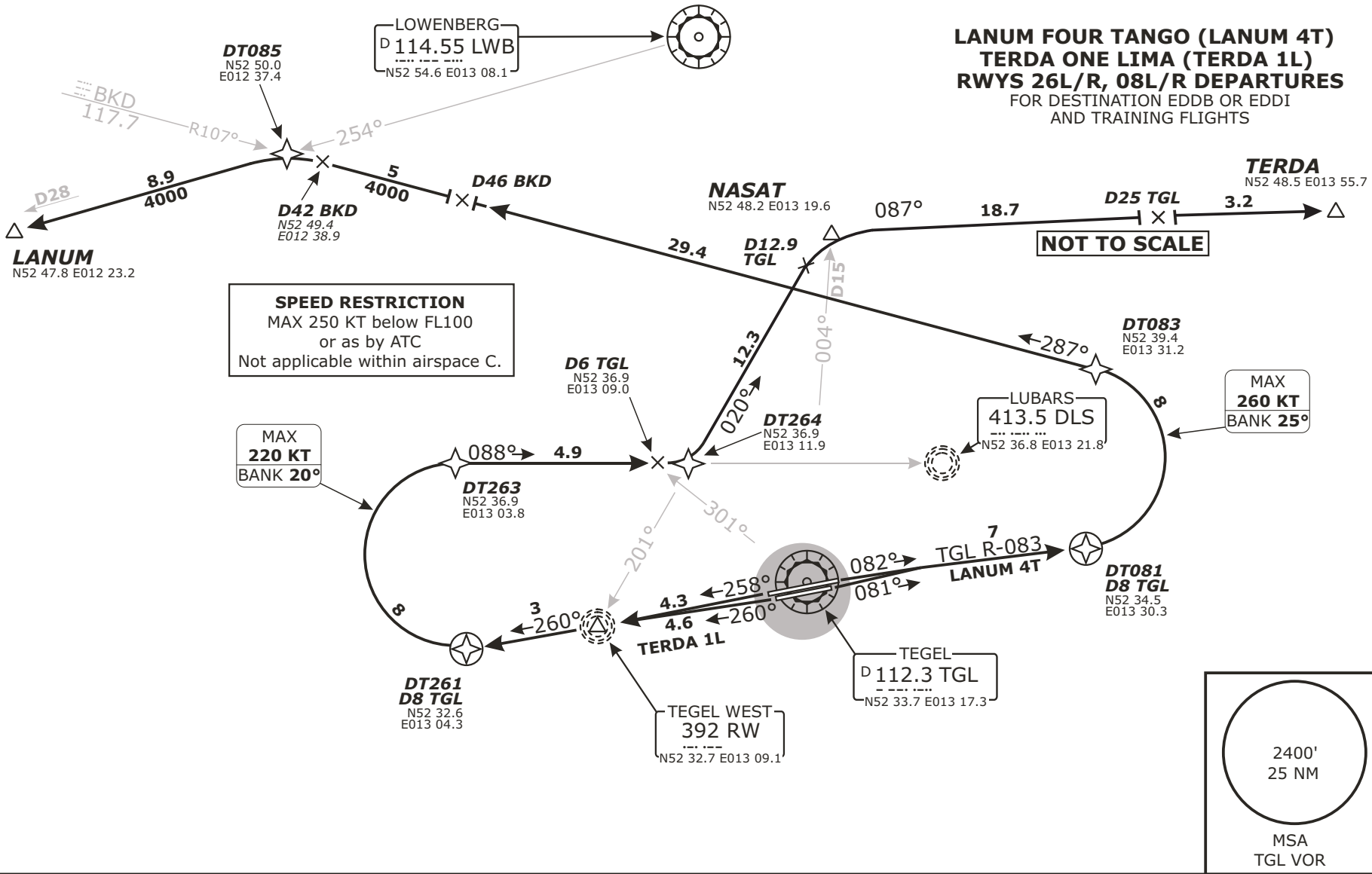
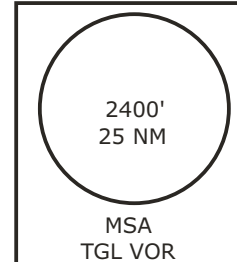
**LANUM FOUR TANGO (LANUM 4T)
TERDA ONE LIMA (TERDA 1L)
RWYS 26L/R, 08L/R DEPARTURES**
FOR DESTINATION EDDB OR EDDI
AND TRAINING FLIGHTS

Radar: Bremen Radar 123.220
Departure: Bremen Radar 120.620
Arrival: Bremen Radar 119.700
Bremen Radar 126.420

Tower: 124.52
Ground: 121.92
Delivery: 121.75
ATIS: 125.90
Delivery: 121.92
, when Delivery is in use

Trans level: by ATC Trans alt: 5000'

1. Remain on TWR frequency until passing altitude 2000 ft, then contact Bremen Radar



Initial climb clearance **4000'**

SID	RWY	ROUTING	GPS/FMS RNAV
LANUM 4T	08L/R	Climb on runway track to 600' , intercept TGL R-083 to D8 TGL, turn LEFT MAX 260KT, intercept BKD R-107 inbound to D42 BKD, turn LEFT, intercept LWB R-254 to LANUM.	(600'+) - DT081 - DT083 (K260-) - DT085 - LANUM.
TERDA 1L	26L/R	Climb on runway track to 600' , then to RW, 260° bearing to D8 TGL, turn RIGHT MAX 220KT, intercept 088° bearing towards DLS, at D6 TGL (crossing TGL R-301) turn LEFT, intercept 020° bearing from RW to 12.9 DME TGL; RT, on track 087° to TERDA.	(600'+) - RW - DT261 - DT263 (K220-) - DT264 - NASAT - TERDA.

Valid for flight simulation use only - do not use for real life navigation

Radar: Bremen Radar 123.220
Arrival: Bremen Radar 119.700
Director: Bremen Radar 126.420
Berlin Director 121.120

Tower: 124.52
Ground: 121.92
Delivery: 121.75
121.75, when Delivery is in use
ATIS: 125.90

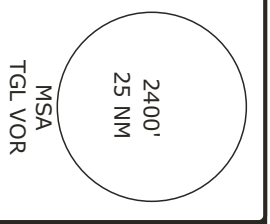
Alt Set: hPa (IN on request)
Trans level: by ATC
Trans alt: 5000'

BATEL SIX ZULU (BATEL 6Z)
GOLBO ONE ZULU (GOLBO 1Z)
RENKI FIVE ZULU (RENKI 5Z)
VIBIS TWO ZULU (VIBIS 2Z)

FROM NORTH
BRNAV EQUIPMENT NECESSARY

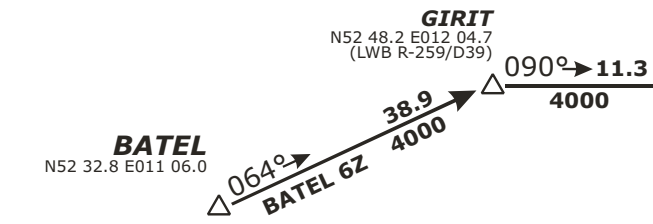
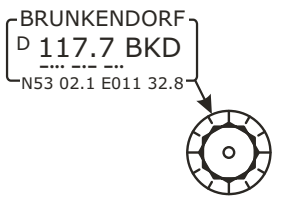
AKUDI THREE ZULU (AKUDI 3Z)
NUKRO FOUR ZULU (NUKRO 4Z)
RUDAK FOUR ZULU (RUDAK 4Z)
MILGU TWO ZULU (MILGU 2Z)

FROM SOUTH
BRNAV EQUIPMENT NECESSARY



RWY 08L/R ARRIVALS

SPEED RESTRICTION
MAX 250 KT below FL100
or as by ATC
Not applicable within airspace C.

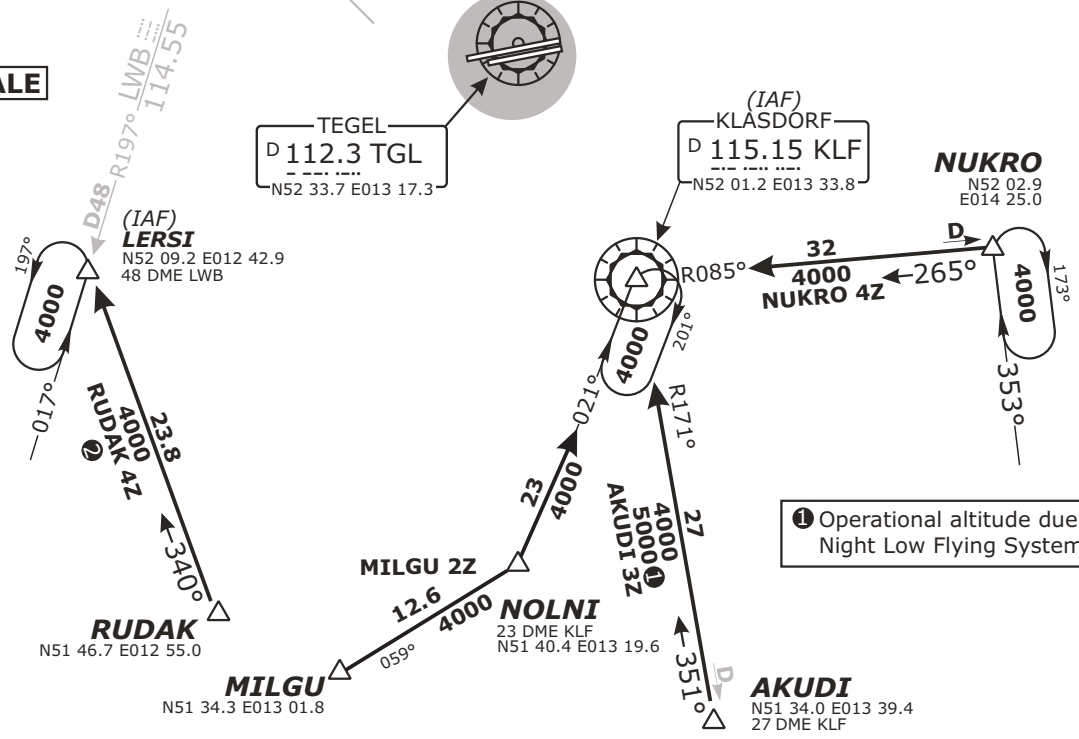
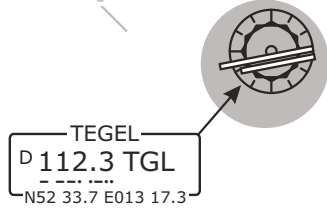
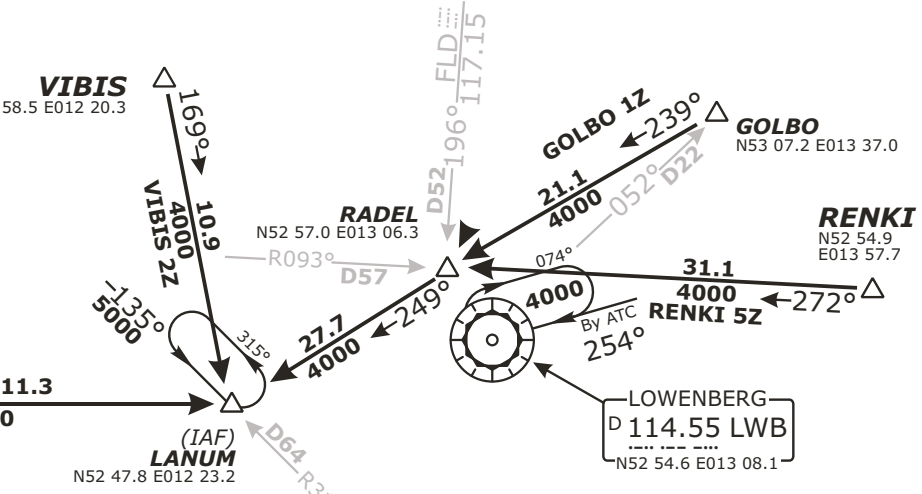


NOT TO SCALE

VERTICAL PLANNING INFORMATION
Pilots should plan for possible descent clearance as follows:

BATEL 6Z, VIBIS 2Z: at or below **FL100** by LANUM.
RENKI 5Z, GOLBO 1Z: at or below **FL100** by RADEL.
AKUDI 3Z, MILGU 2Z: at or below **FL110** by KLF.
NUKRO 4Z: at or below **FL140** by NUKRO, at or below **FL110** by KLF.
RUDAK 4Z: at or below **FL100** by LERSI.

ACTUAL DESCEND CLEARANCE WILL BE AS DIRECTED BY ATC.



① Operational altitude due to Night Low Flying System

Radar: Bremen Radar 123.220
Arrival: Bremen Radar 119.700
Director: Berlin Director 126.420
Director: Berlin Director 121.120

Tower: 124.52 ATIS: 125.90
Ground: 121.92
Delivery: 121.75
Delivery: 121.92

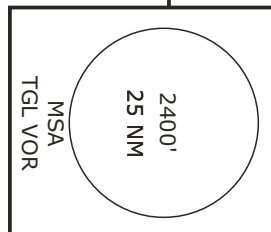
Alt Set: hPa (IN on request)
Trans level: by ATC
Trans alt: 5000'

BATEL THREE HOTEL (BATEL 3H)
GOLBO ONE HOTEL (GOLBO 1H)
RENKI THREE HOTEL (RENKI 2H)
VIBIS THREE HOTEL (VIBIS 3H)

AKUDI FOUR VICTOR (AKUDI 4V)
MILGU THREE VICTOR (MILGU 3V)
NUKRO THREE VICTOR (NUKRO 3V)
RUDAK FIVE VICTOR (RUDAK 5V)

FROM NORTH
BRNAV EQUIPMENT NECESSARY

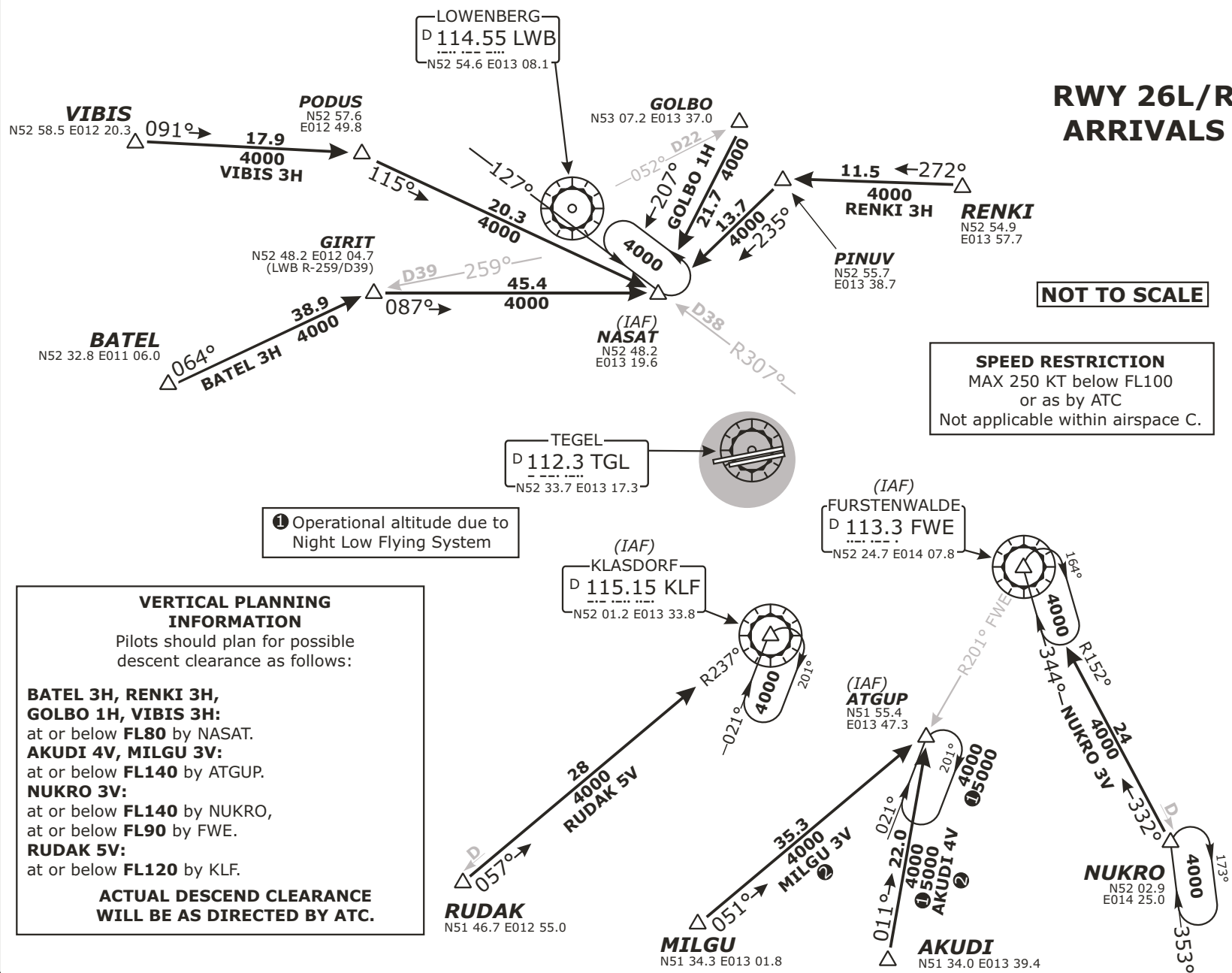
FROM SOUTH
BRNAV equipment necessary.



RWY 26L/R ARRIVALS

NOT TO SCALE

SPEED RESTRICTION
MAX 250 KT below FL100
or as by ATC
Not applicable within airspace C.



Operational altitude due to Night Low Flying System

VERTICAL PLANNING INFORMATION
Pilots should plan for possible descent clearance as follows:
BATEL 3H, RENKI 3H, GOLBO 1H, VIBIS 3H:
at or below **FL80** by NASAT.
AKUDI 4V, MILGU 3V:
at or below **FL140** by ATGUP.
NUKRO 3V:
at or below **FL140** by NUKRO,
at or below **FL90** by FWE.
RUDAK 5V:
at or below **FL120** by KLF.
ACTUAL DESCEND CLEARANCE WILL BE AS DIRECTED BY ATC.

Valid for flight simulation use only - do not use for real life navigation

EDDT/TXL TEGEL

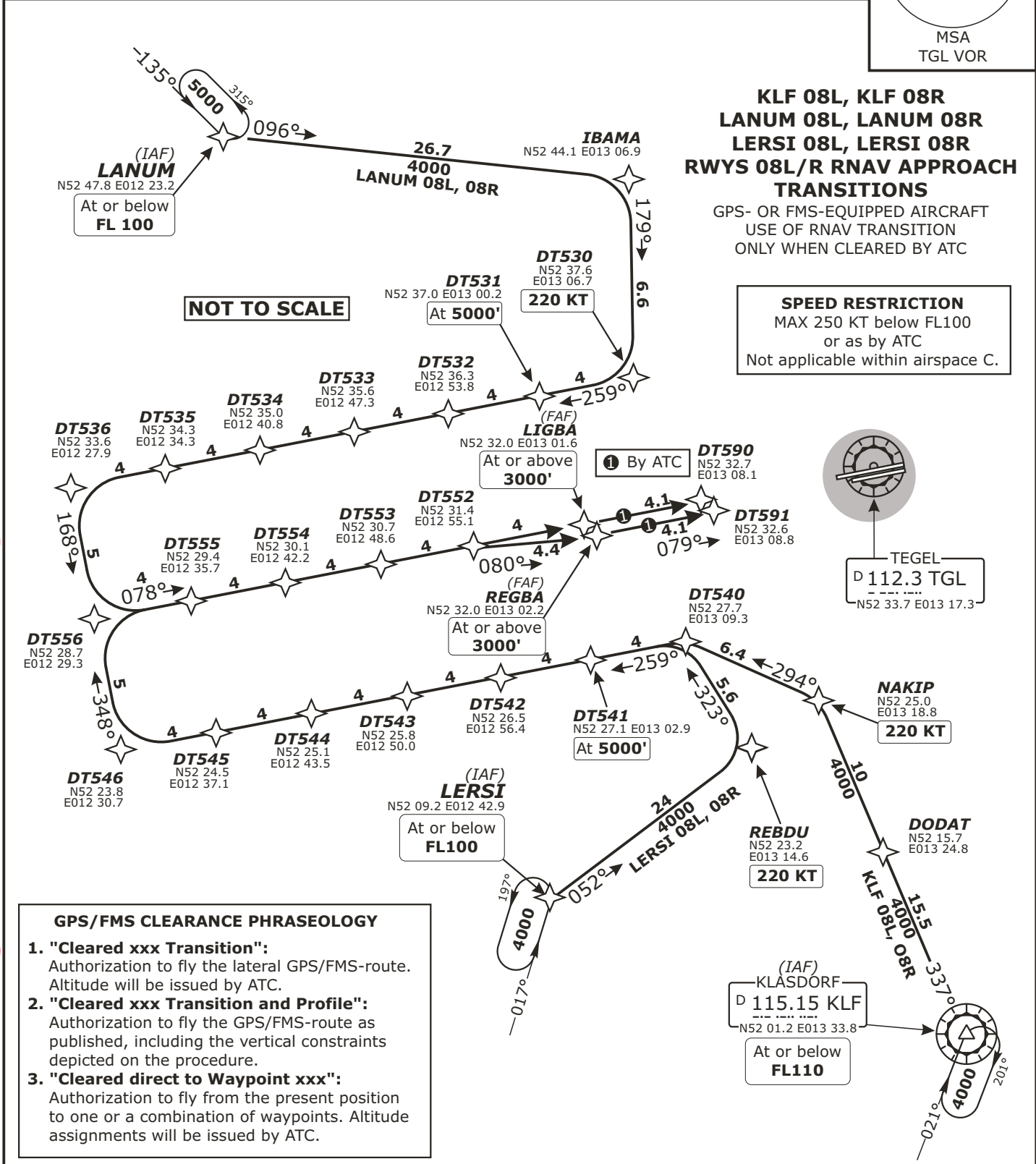
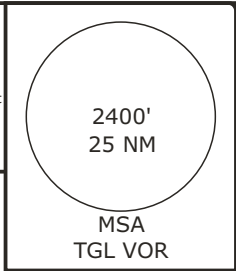
TRANS CHART NO.1
Revision 02. MAY 08
Effective 21 DEC 06

BERLIN, GERMANY

Radar: Bremen Radar 123.220
Arrival: Bremen Radar 119.700
Bremen Radar 126.420
Director: Berlin Director 121.120

Tower: 124.52 **ATIS:** 125.90
Ground: 121.92
121.75 when Delivery is in use
Delivery: 121.92

Alt Set: hPa (IN on request)
Trans level: by ATC Trans alt: 5000'
1. On downwind expect vectors to final.
2. Speed restrictions on Transition (even without profile) are always mandatory, unless cancelled by ATC.



- GPS/FMS CLEARANCE PHRASEOLOGY**
- "Cleared xxx Transition":**
Authorization to fly the lateral GPS/FMS-route. Altitude will be issued by ATC.
 - "Cleared xxx Transition and Profile":**
Authorization to fly the GPS/FMS-route as published, including the vertical constraints depicted on the procedure.
 - "Cleared direct to Waypoint xxx":**
Authorization to fly from the present position to one or a combination of waypoints. Altitude assignments will be issued by ATC.

TRANSITION	ROUTING
KLF 08L	KLF (FL110-) - DODAT - NAKIP (K220) - DT540 - DT541 (5000') - DT546 - DT556 - LIGBA (3000'+).
KLF 08R	KLF (FL110-) - DODAT - NAKIP (K220) - DT540 - DT541 (5000') - DT546 - DT556 - DT552 - REGBA (3000'+).
LANUM 08L	LANUM (FL100-) - IBAMA - DT530 (K220) - DT531 (5000') - DT536 - DT556 - LIGBA (3000'+).
LANUM 08R	LANUM (FL100-) - IBAMA - DT530 (K220) - DT531 (5000') - DT536 - DT556 - DT552 - REGBA (3000'+).
LERSI 08L	LERSI (FL100-) - REBDU (K220) - DT540 - DT541 (5000') - DT546 - DT556 - LIGBA (3000'+).
LERSI 08R	LERSI (FL100-) - REBDU (K220) - DT540 - DT541 (5000') - DT546 - DT556 - DT552 - REGBA (3000'+).

Valid for flight simulation use only - do not use for real life navigation

EDDT/TXL TEGEL

TRANS CHART NO.2
Revision 02. MAY 08
Effective 14 FEB 08

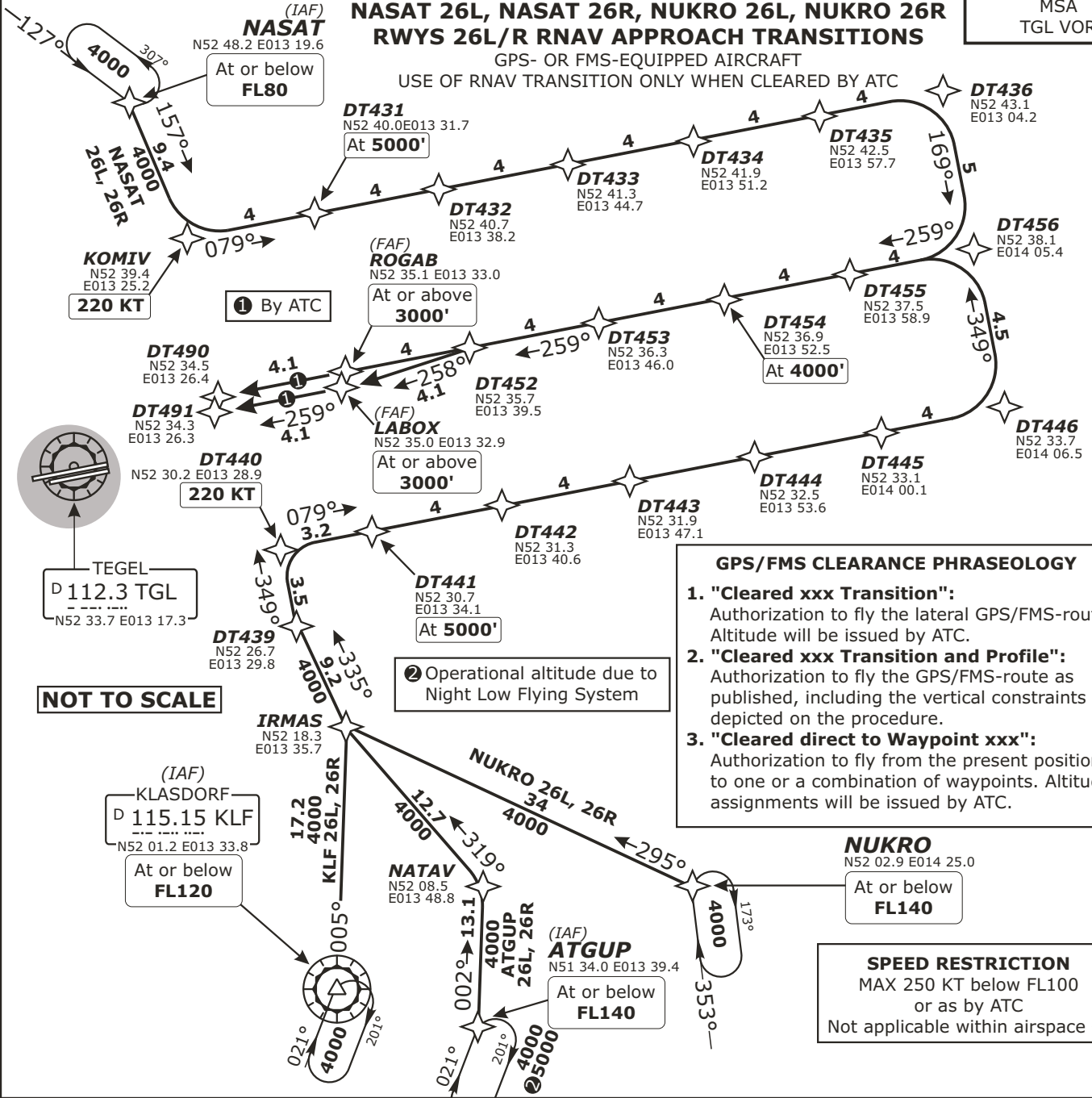
BERLIN, GERMANY

Radar: Bremen Radar 123.220 Arrival: Bremen Radar 119.700 Bremen Radar 126.420 Director: Berlin Director 121.120	Tower: 124.52 ATIS: 125.90 Ground: 121.92 121.75, when Delivery is in use Delivery: 121.92	Alt Set: hPa (IN on request) Trans level: by ATC Trans alt: 5000' 1. On downwind expect vectors to final. 2. Speed restrictions on Transition (even without profile) are always mandatory, unless cancelled by ATC.	<p>2400' 25 NM MSA TGL VOR</p>
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ATGUP 26L, ATGUP 26R, KLF 26L, KLF 26R, NASAT 26L, NASAT 26R, NUKRO 26L, NUKRO 26R RWYS 26L/R RNAV APPROACH TRANSITIONS

GPS- OR FMS-EQUIPPED AIRCRAFT

USE OF RNAV TRANSITION ONLY WHEN CLEARED BY ATC



GPS/FMS CLEARANCE PHRASEOLOGY

- "Cleared xxx Transition":**
Authorization to fly the lateral GPS/FMS-route. Altitude will be issued by ATC.
- "Cleared xxx Transition and Profile":**
Authorization to fly the GPS/FMS-route as published, including the vertical constraints depicted on the procedure.
- "Cleared direct to Waypoint xxx":**
Authorization to fly from the present position to one or a combination of waypoints. Altitude assignments will be issued by ATC.

SPEED RESTRICTION
MAX 250 KT below FL100
or as by ATC
Not applicable within airspace C.

TRANSITION	ROUTING
ATGUP 26L	ATGUP (FL140-) - NATAV - IRMAS - DT439 - DT440 (K220) - DT441 (5000') - DT446 - DT456 - DT454 (4000') - DT452 - LABOX (3000'+).
ATGUP 26R	ATGUP (FL140-) - NATAV - IRMAS - DT439 - DT440 (K220) - DT441 (5000') - DT446 - DT456 - DT454 (4000') - ROGAB (3000'+).
KLF 26L	KLF (FL120-) - IRMAS - DT439 - DT440 (K220) - DT441 (5000') - DT446 - DT456 - DT454 (4000') - DT452 - LABOX (3000'+).
KLF 26R	KLF (FL120-) - IRMAS - DT439 - DT440 (K220) - DT441 (5000') - DT446 - DT456 - DT454 (4000') - ROGAB (3000'+).
NASAT 26L	NASAT (FL80-) - KOMIV (K220) - DT431 (5000') - DT436 - DT456 - DT454 (4000') - DT452 - LABOX (3000'+).
NASAT 26R	NASAT (FL80-) - KOMIV (K220) - DT431 (5000') - DT436 - DT456 - DT454 (4000') - ROGAB (3000'+).
NUKRO 26L	NURKO (FL140-) - IRMAS - DT439 - DT440 (K220) - DT441 (5000') - DT446 - DT456 - DT454 (4000') - DT452 - LABOX (3000'+).
NUKRO 26R	NURKO (FL140-) - IRMAS - DT439 - DT440 (K220) - DT441 (5000') - DT446 - DT456 - DT454 (4000') - ROGAB (3000'+).

EDDT/TXL TEGEL

APP CHART NO.1
Revision 02. MAY 08
Effective 21 DEC 06

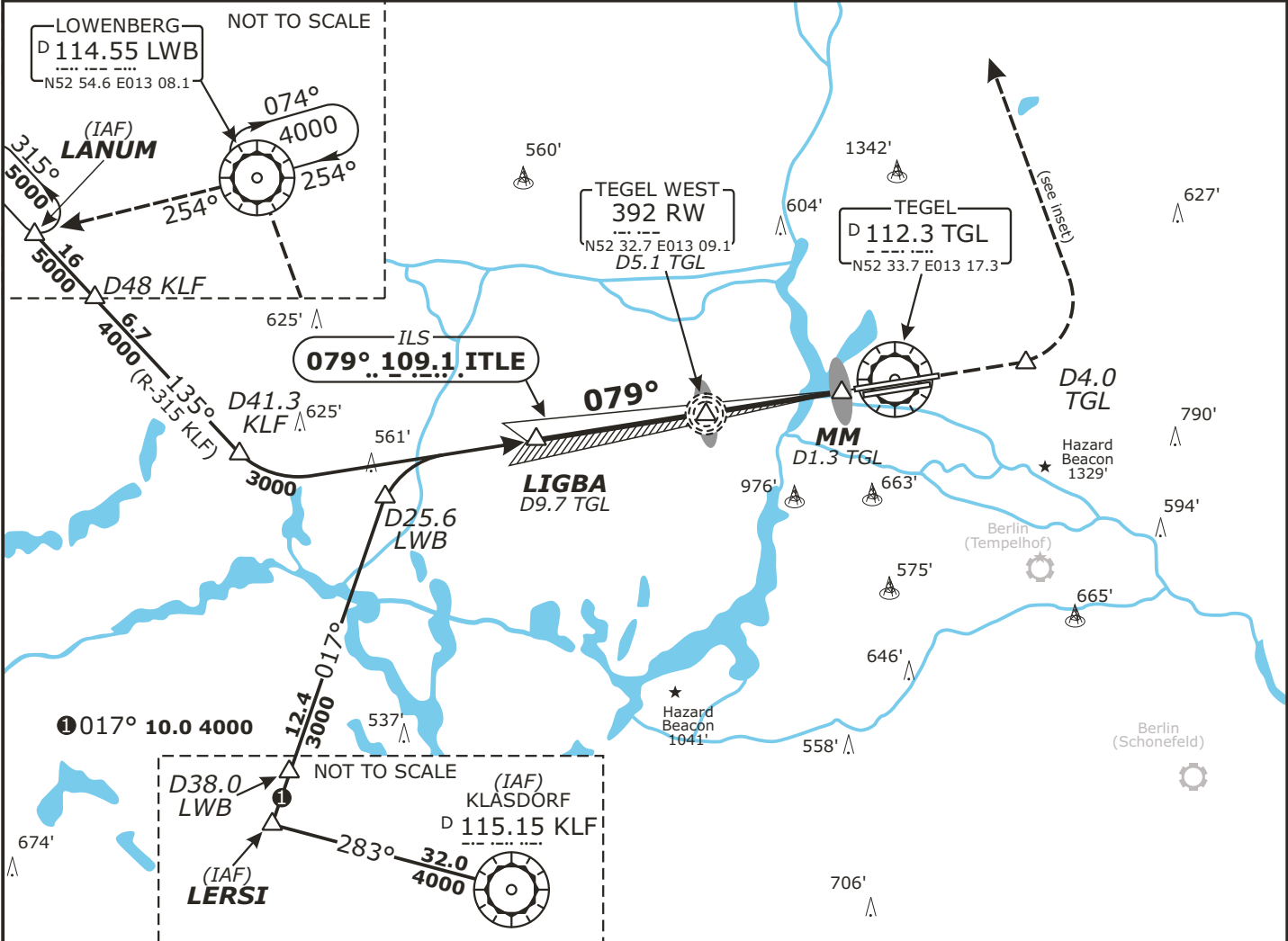
BERLIN, GERMANY ILS or LOC Rwy 08L

Radar: Bremen Radar 123.220	Tower: 124.52 ATIS: 125.90
Arrival: Bremen Radar 119.700	Ground: 121.92
Bremen Radar 126.420	121.75, when Delivery is in use
Director: Berlin Director 121.120	Delivery: 121.92

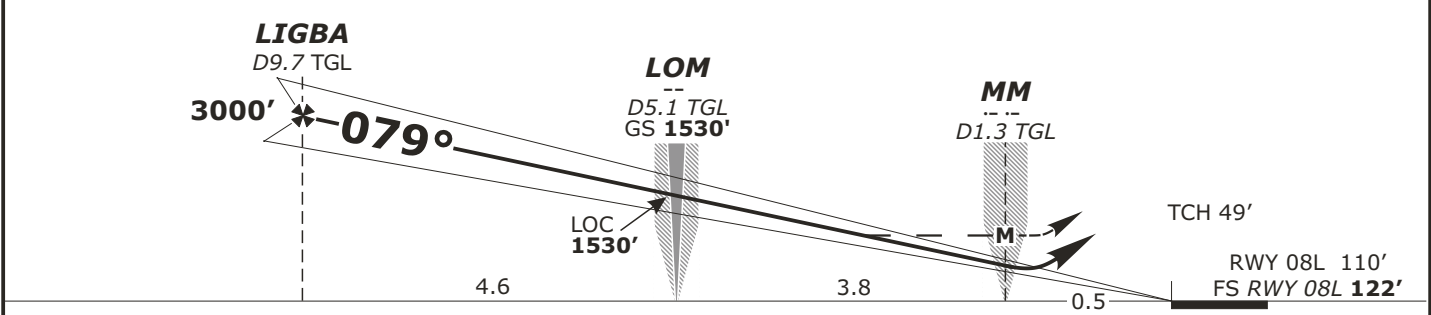
LOC ITLE 109.1	Final ApcH Crs 079°	GS LOM 1530' (1408')	CAT I : DH 322' (200') CAT I I: RA 102' DH 222' (100')	Apt Elev 122' FS: RWY 122' RWY 110'	<p>2400' 25 NM</p> <p>MSA TGL VOR</p>
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MISSED APCH: Climb on rwy track to MAX 3000'. At D4.0 East of TGL VOR climb to 5000' and turn LEFT via LWB VOR to LANUM.

Alt Set: hPa (IN on req) Rwy Elev: 4 hPa Trans level: By ATC Trans alt: 5000'
LOC: **DME REQUIRED.**



LOC (GS out)	TGL DME	9.0	8.0	7.0	6.0	5.0	4.0	3.0
	ALTITUDE	2770'	2460'	2140'	1820'	1500'	1180'	860'



Flight Simulator-OPS			STRAIGHT-IN LANDING RWY 08L					
ILS DA(H) 322' (200')		CAT II ILS RA 102' DA(H) 222' (100')		LOC (GS out) MDA(H) 602' (480')				
RVR 550m		RVR 300m		RVR 1000m				
				RVR 1200m				
				RVR 1600m				
Gnd speed-Kts			70	90	100	120	140	160
ILS GS 3.00° or LOC Descent Gradient 5.2%			377	484	538	646	753	861
MAP at MM/D1.3 TGL								

Valid for flight simulation use only - do not use for real life navigation

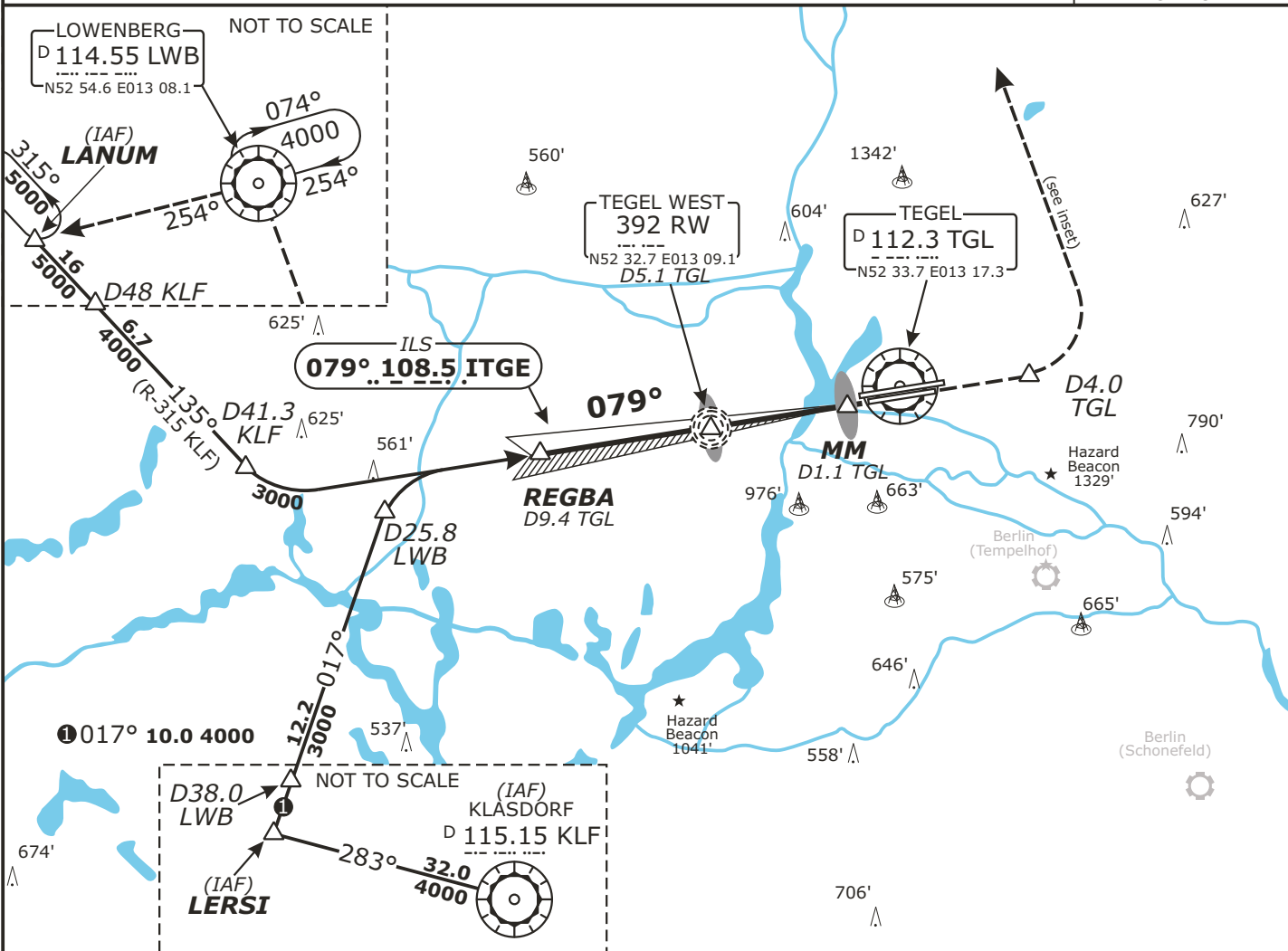
CHANGES: Frequencies

EDDT/TXL TEGEL

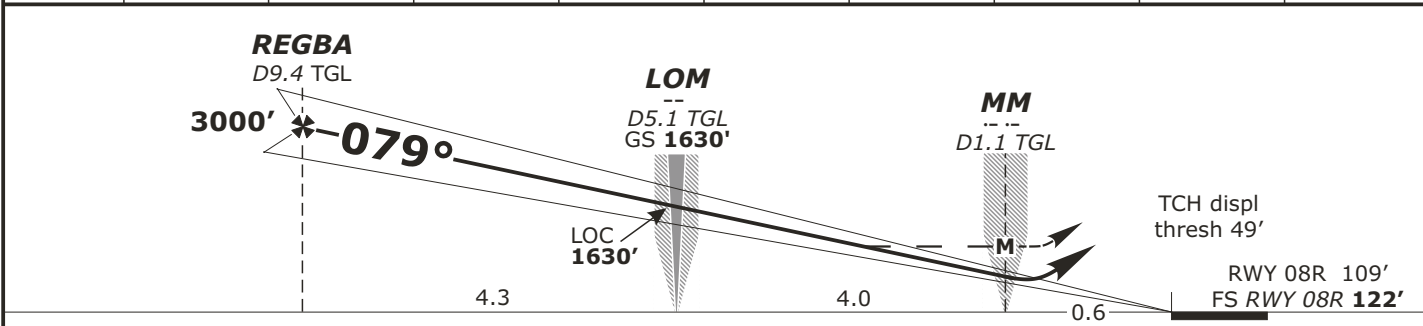
APP CHART NO.2
Revision 02. MAY 08
Effective 21 DEC 06

BERLIN, GERMANY ILS or LOC Rwy 08R

Radar: Bremen Radar 123.220 Arrival: Bremen Radar 119.700 Bremen Radar 126.420 Director: Berlin Director 121.120	Tower: 124.52 ATIS: 125.90 Ground: 121.92 121.75, when Delivery is in use Delivery: 121.92				
LOC ITGE 108.5	Final Apch Crs 079°	GS LOM 1630' (1508')	ILS DA(H) Refer to Minimums	Apt Elev 122' FS: RWY 122' RWY 109'	<p>2400' 25 NM</p> <p>MSA TGL VOR</p>
MISSED APCH: Climb on rwy track to MAX 3000'. At D4.0 East of TGL VOR climb to 5000' and turn LEFT via LWB VOR to LANUM.					
Alt Set: hPa (IN on req) LOC: DME REQUIRED.		Rwy Elev: 4 hPa	Trans level: By ATC	Trans alt: 5000'	



LOC (GS out)	TGL DME	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0
	ALTITUDE	2870'	2550'	2230'	1920'	1600'	1280'	960'	640'



Flight Simulator-OPS		STRAIGHT-IN LANDING RWY 08R					
DA(H)	A: 367' (245') C: 387' (265')	Gnd speed-Kts					
	B: 377' (255') D: 397' (275')	70 90 100 120 140 160					
LOC (GS out) MDA(H) 573' (451')		ILS GS 3.00° or LOC Descent Gradient 5.2%					
A RVR 600m		377 484 538 646 753 861					
B RVR 650m		MAP at MM/D1.1 TGL					
C RVR 650m							
D RVR 1600m							

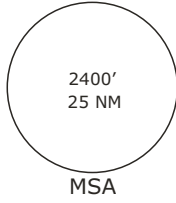
Valid for flight simulation use only - do not use for real life navigation

CHANGES: Frequencies

EDDT/TXL TEGEL

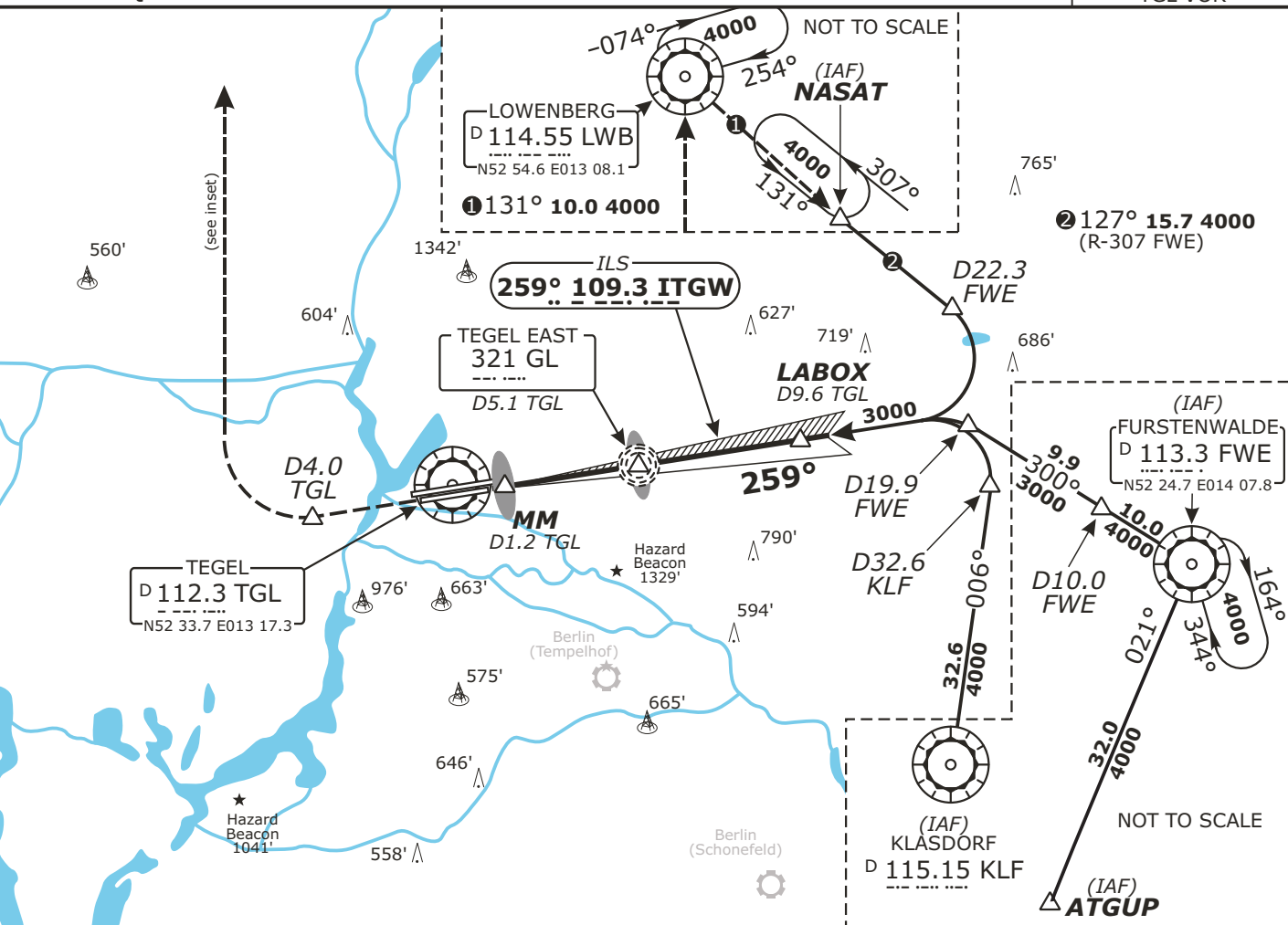
APP CHART NO.3
Revision 02. MAY 08
Effective 14 FEB 08

BERLIN, GERMANY ILS or LOC Rwy 26L

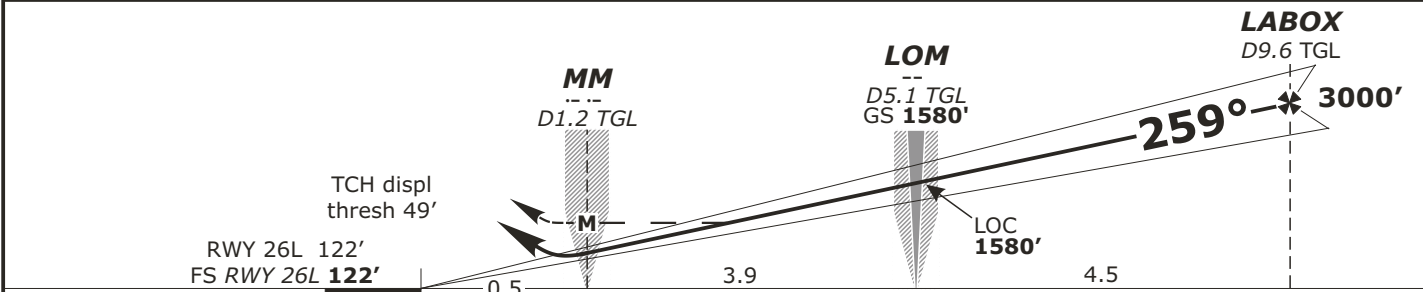
Radar: Bremen Radar 123.220 Arrival: Bremen Radar 119.700 Director: Berlin Director 121.120	Tower: 124.52 ATIS: 125.90 Ground: 121.92 121.75, when Delivery is in use Delivery: 121.92	GS LOM 1580' (1458')	ILS DA(H) Refer to Minimums	Apt Elev 122' FS: RWY 122' RWY 122'	
LOC ITGW 109.3	Final Apch Crs 259°				

MISSED APCH: Climb on rwy track to MAX 3000'. At D4.0 West of TGL VOR climb to 4000' and turn RIGHT via LWB VOR to NASAT.

Alt Set: hPa (IN on req) Rwy Elev: 4 hPa Trans level: By ATC Trans alt: 5000'



LOC (GS out)	TGL DME	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
	ALTITUDE	590'	910'	1230'	1550'	1860'	2180'	2500'	2820'



Flight Simulator-OPS					STRAIGHT-IN LANDING RWY 26L							
ILS					CAT II ILS							
DA(H) A: 363' (241')					Gnd speed-Kts							
B: 373' (251')					70 90 100 120 140 160							
C: 383' (261')					ILS GS 3.00° or							
D: 393' (271')					LOC Descent Gradient 5.2%							
RA A 105'					MAP at MM/D1.2 TGL							
DA(H) 228' (106')					A RA 121'		B RA 182'		C RA 197'		LOC (GS out)	
DA(H) 244' (122')					DA(H) 244' (122')		DA(H) 304' (182')		DA(H) 317' (195')		MDA(H) 540' (418')	
RVR 600m					RVR 300m		RVR 400m		RVR 450m		RVR 900m	
RVR 650m											RVR 1000m	
											RVR 1400m	

Valid for flight simulation use only - do not use for real life navigation

CHANGES: Frequencies

EDDT/TXL TEGEL

BERLIN, GERMANY ILS or LOC Rwy 26R

APP CHART NO.4
Revision 02. MAY 08
Effective 14 FEB 08

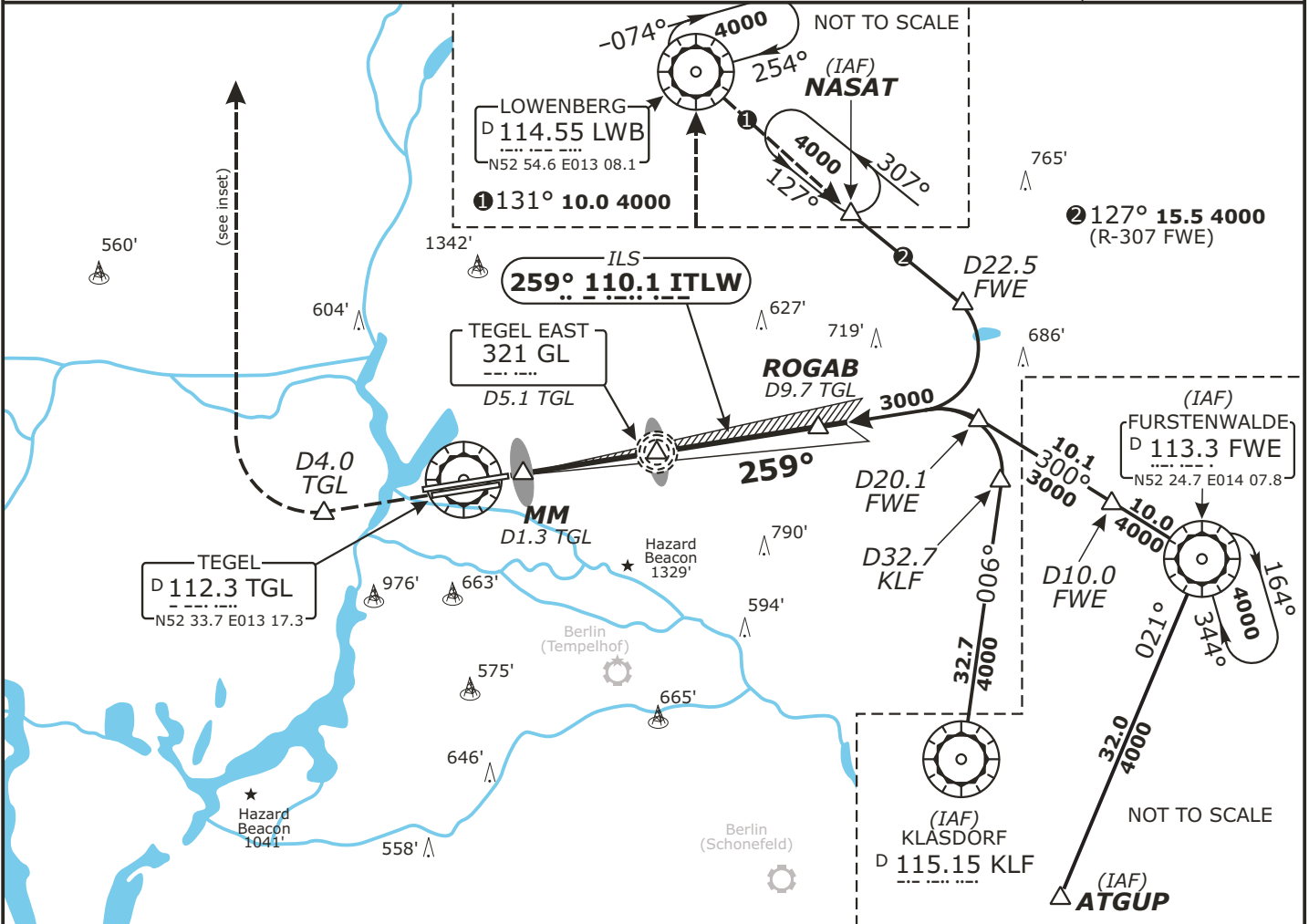
Radar: Bremen Radar 123.220 Arrival: Bremen Radar 119.700 Director: Berlin Director 121.120	Tower: 124.52 Ground: 121.92 121.75, when Delivery is in use Delivery: 121.92	ATIS: 125.90
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LOC ITLW 110.1	<i>Final</i> <i>Apch Crs</i> 259°	<i>GS</i> LOM 1540' (1418')	<i>ILS DA(H)</i> <i>Refer to Minimums</i>	<i>Apt Elev 122'</i> <i>FS: RWY 122'</i> <i>RWY 117'</i>	 MSA TGL VOR
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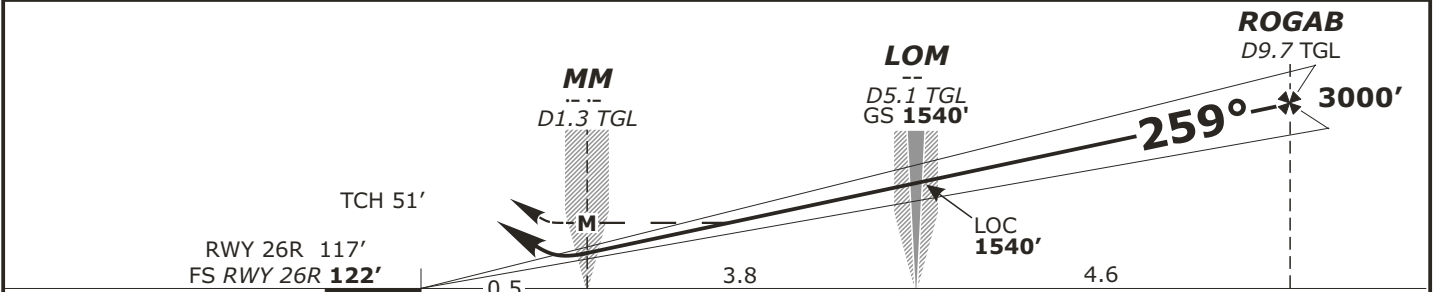
MISSED APCH: Climb on rwy track to MAX 3000'. At D4.0 West of TGL VOR climb to 4000' and turn RIGHT via LWB VOR to NASAT.

Alt Set: hPa (IN on req) Rwy Elev: 4 hPa Trans level: By ATC Trans alt: 5000'

LOC: **DME REQUIRED.**



LOC (GS out)	TGL DME	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
	ALTITUDE	560'	870'	1190'	1510'	1830'	2150'	2470'	2780'



Flight Simulator-OPS		Gnd speed-Kts					70	90	100	120	140	160
STRAIGHT-IN LANDING RWY 26R		ILS GS 3.00° or LOC Descent Gradient 5.2%					377	484	538	646	753	861
		MAP at MM/D1.3 TGL										

ILS DA(H) A: 340' (218') C: 360' (238') B: 350' (228') D: 370' (248')	CAT II ILS ABCD RA 95' DA(H) 222' (100')	LOC (GS out) MDA(H) 525' (403')	
		RVR 900m	
		RVR 1000m	
		RVR 1400m	
RVR 600m		RVR 300m	

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CHANGES: Frequencies