

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



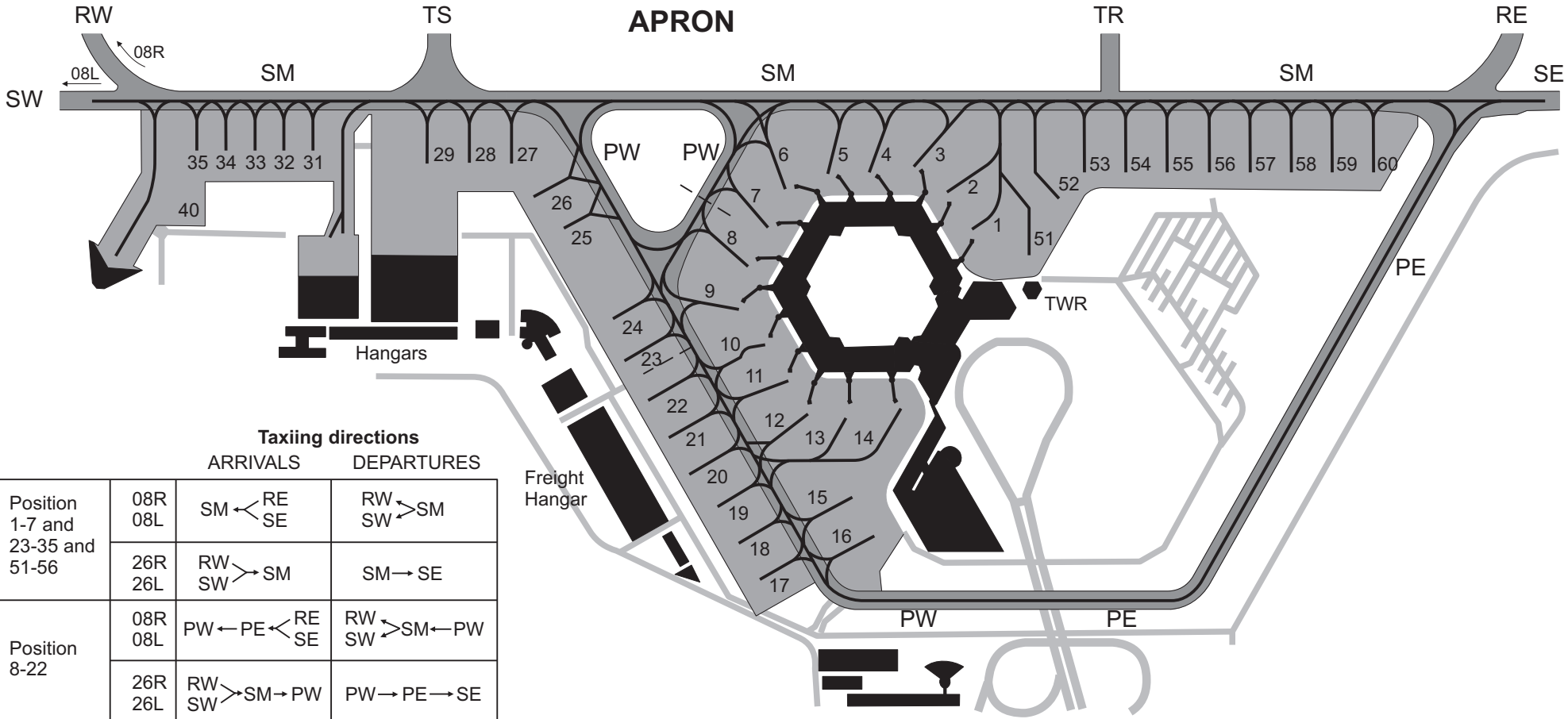
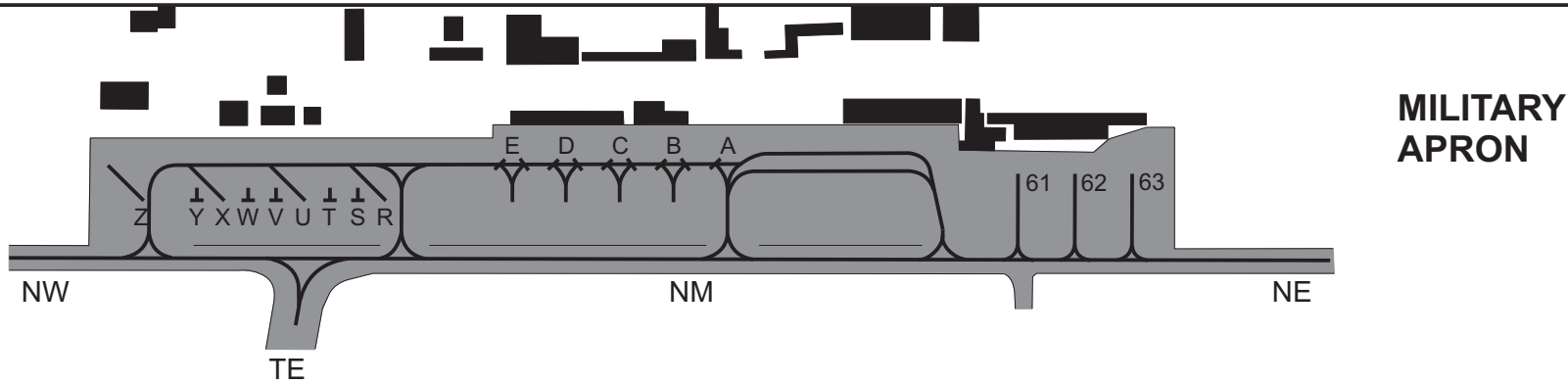
EDDT/TXL
BERLIN-TEGEL

AERODROME CHART NO.1
Revision 05 JUL 07
Effective 10 MAY 07

BERLIN-TEGEL, GERMANY AERODROME LAYOUT

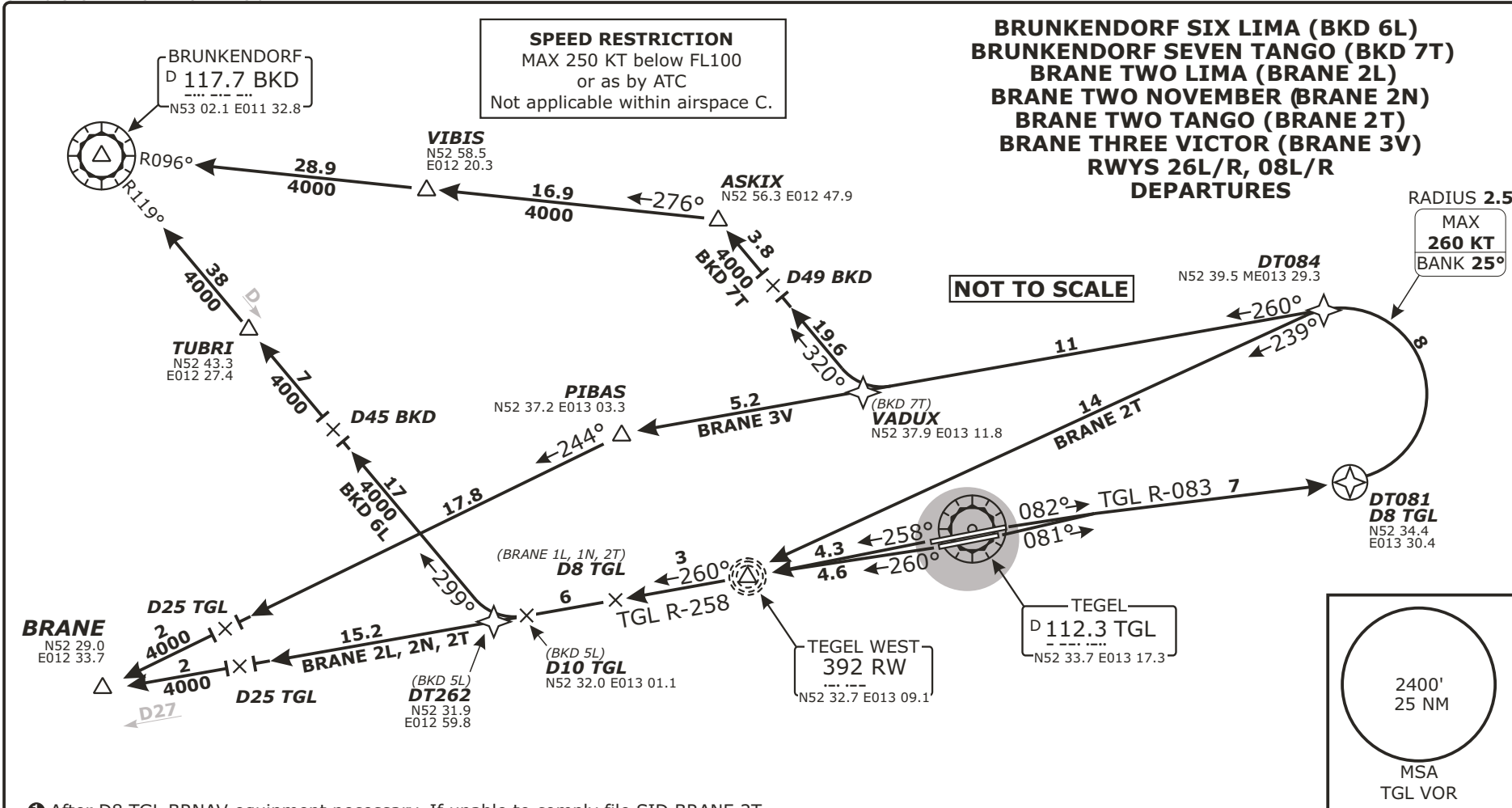
<http://www.vacc-sag.org/>

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



- After D8 TGL BRNAV equipment necessary. If unable to comply file SID BRANE 2T.
- Only for Non-RNAV aircraft.
- 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'

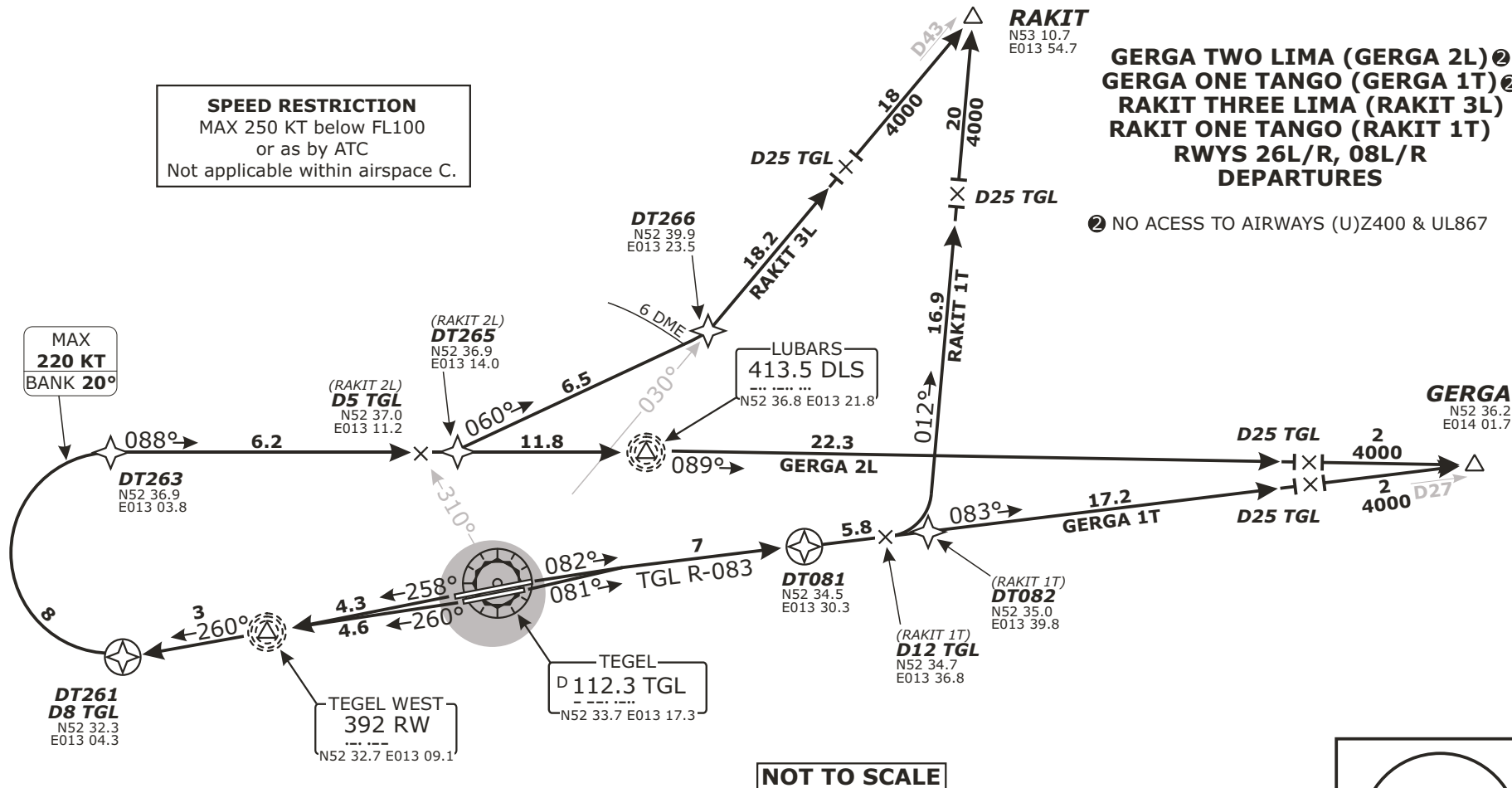
Trans level: by ATC Trans alt: 5000'	1. Remain on TWR frequency until passing altitude 2000 ft, then contact Bremen Radar
Radar: Bremen Radar 124.12 Arrival: Bremen Radar 119.70 Director: Berlin Director 121.12	Tower: 124.52 Ground: 121.92 Delivery: 121.75 when Delivery is in use

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.	
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.	(600'+) - DT081 - DT084 (K260-) - PIBAS - BRANE.

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

http://www.vacc-sag.org/ © Jürg Gaensli <swiss-charts@gmx.ch>, concept by Christoph Winkler <christoph@munich-flr.org> http://www.eddb.org/

CHANGES: Note. Communications.



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

EDDT/TXL

SID CHART NO.2
Revision 19 JUN 07
Effective 15 FEB 07

BERLIN, GERMANY

Radar: Bremen Radar 124.12
Arrival: Bremen Radar 119.70
Director: Berlin Director 126.42
Tower: 124.52
Ground: 121.92
Delivery: 121.92
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

GERGA
N52 36.2
E014 01.7

RAKIT
N53 10.7
E013 54.7

D25 TGL
18.2
18
4000

D25 TGL
16.9
16
4000

D25 TGL
17.2
17
4000

D25 TGL
22.3
22
4000

D25 TGL
2
2
4000

D25 TGL
2
2
4000

D25 TGL
2
2
4000

D25 TGL
2
2
4000

D25 TGL
2
2
4000

D25 TGL
2
2
4000

D25 TGL
2
2
4000

D25 TGL
2
2
4000

D25 TGL
2
2
4000

D25 TGL
2
2
4000

D25 TGL
2
2
4000

D25 TGL
2
2
4000

Bremen Radar 124.12
Arrival: Bremen Radar 119.70
Director: Berlin Director 121.12

Tower: 124.52
Ground: 121.92
Delivery: 121.92

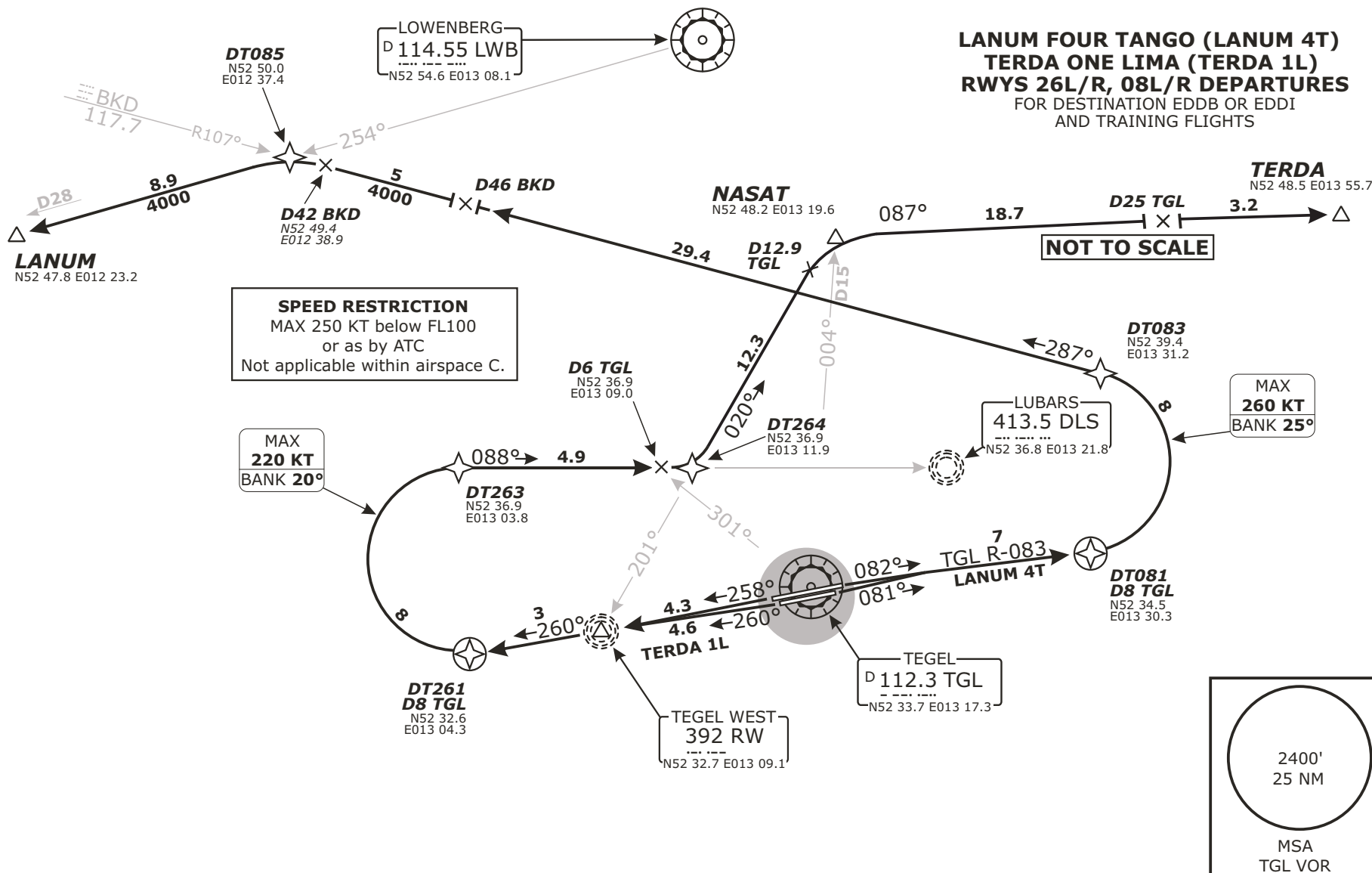
ATIS: 125.90

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

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

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

EDDT/TXL TEGEL

STAR CHART NO.2
Revision 19 JUN 07
Effective 07 JUN 07

BERLIN, GERMANY

STAR

Radar: Bremen Radar 124.12
Arrival: Bremen Radar 119.70
Center: Berlin Director 121.12

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 TWO HOTEL (BATEL 2H)
BODLA TWO HOTEL (BODLA 2H)
LEINE TWO HOTEL (DLE 2H)
RENKI TWO HOTEL (RENKI 2H)
RODEP THREE HOTEL (RODEP 3H)
VIBIS TWO HOTEL (VIBIS 2H)

FROM NORTH
BRNAV EQUIPMENT NECESSARY

AKUDI THREE VICTOR (AKUDI 3V)
MILGU TWO VICTOR (MILGU 2V)
NUKRO THREE VICTOR (NUKRO 3V)
RUDAK FIVE VICTOR (RUDAK 5V)

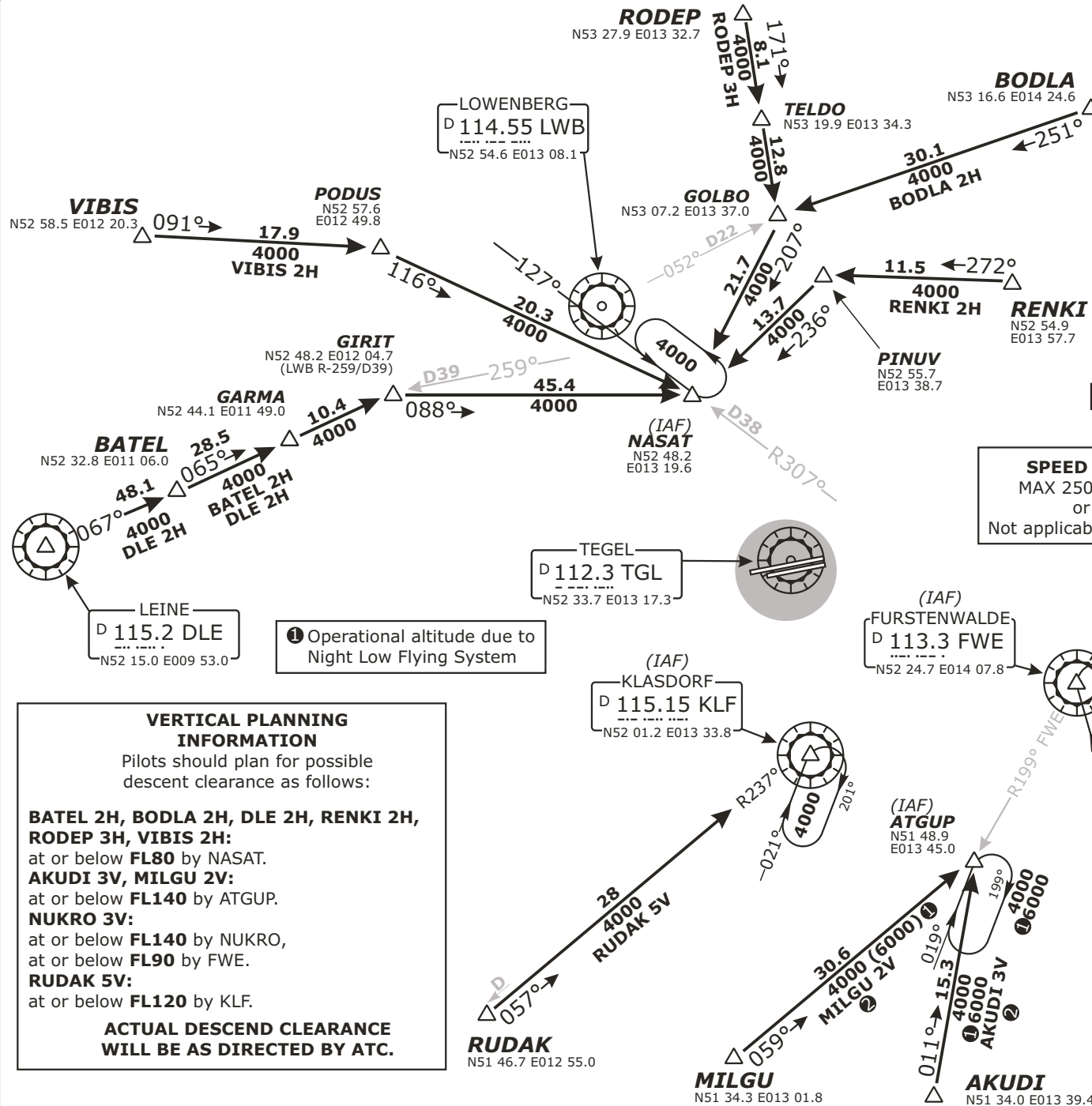
FROM SOUTH
BRNAV equipment necessary.

2400'
25 NM
MSA
TGL VOR

RWY 26L/R
ARRIVALS

NOT TO SCALE

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

VERTICAL PLANNING
INFORMATION

Pilots should plan for possible descent clearance as follows:

BATEL 2H, BODLA 2H, DLE 2H, RENKI 2H, RODEP 3H, VIBIS 2H:

at or below **FL80** by NASAT.

AKUDI 3V, MILGU 2V:

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

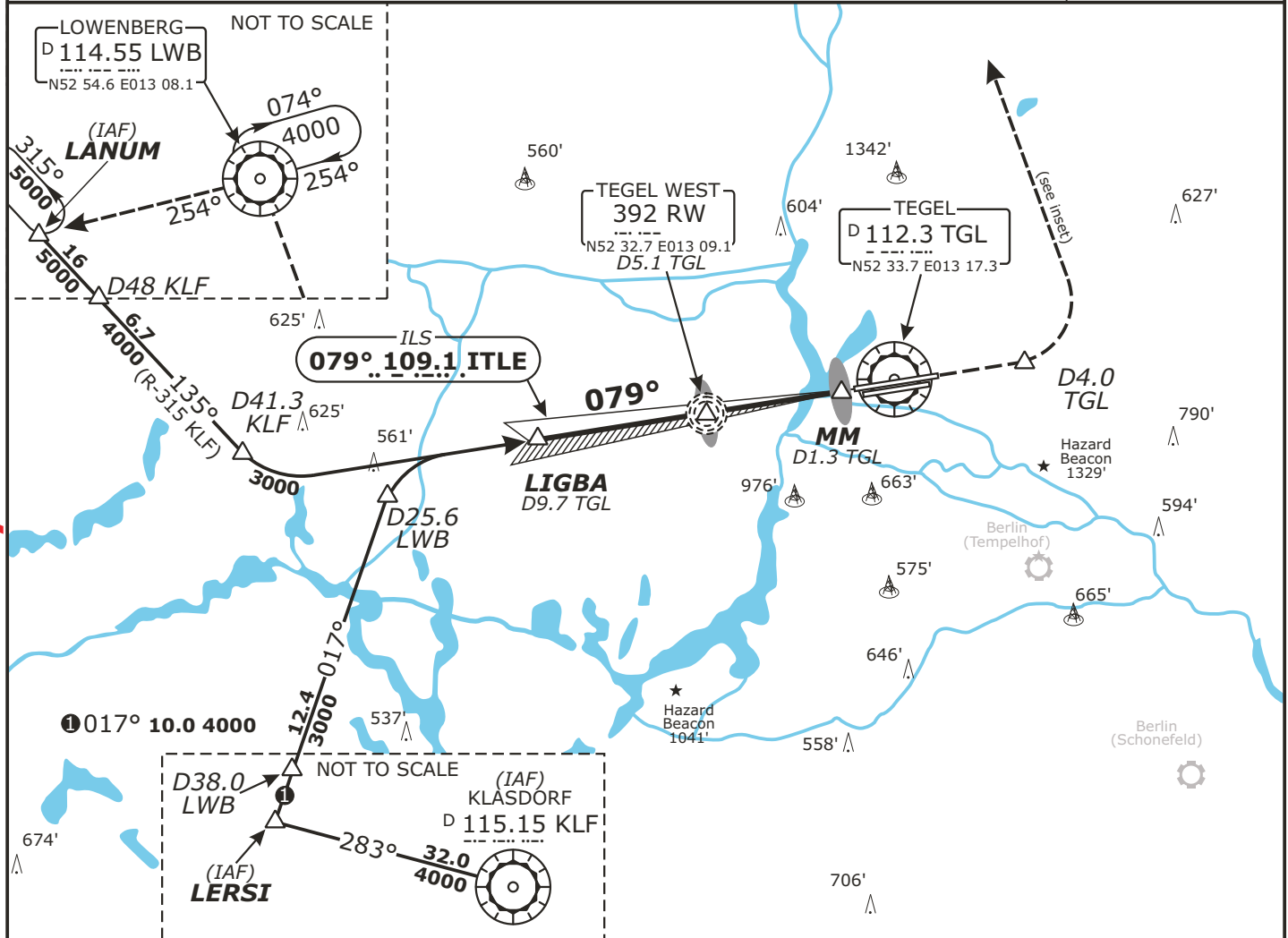
Valid for flight simulation use only - do not use for real life navigation

EDDT/TXL
TEGEL

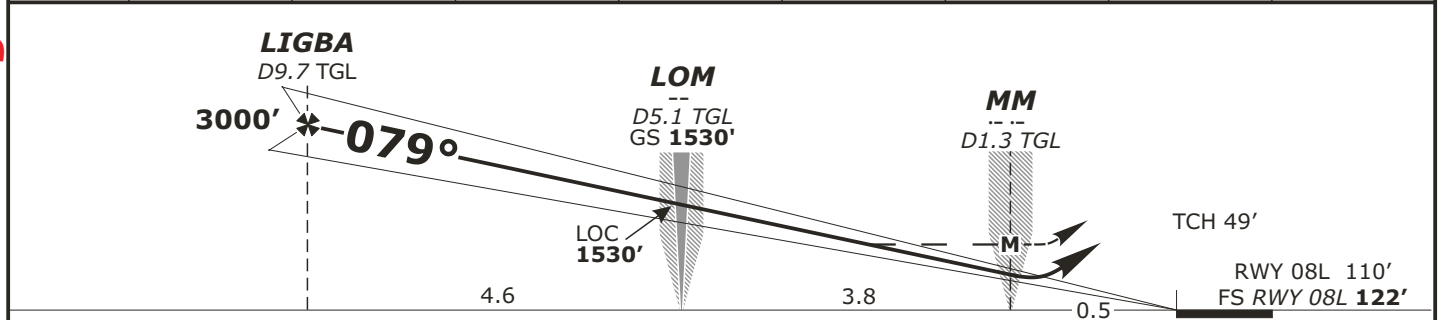
APP CHART NO.1
Revision 19. JUN 07
Effective 21 DEC 06

BERLIN, GERMANY
ILS or LOC Rwy 08L

Radar: Bremen Radar 124.12 Arrival: Bremen Radar 119.70 Bremen Radar 126.42 Director: Berlin Director 121.12		Tower: 124.52 ATIS: 125.90 Ground: 121.92 121.75 ^{when Delivery is in use} Delivery: 121.92			
LOC ITLE 109.1	Final Apch Crs 079°	GS LOM 1530' (1408')	CAT I : DH 322' (200') CAT II : RA 102' DH 222' (100')	Apt Elev 122' FS: RWY 122' RWY 110'	2400' 25 NM MSA TGL VOR
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
	ALTITUDE	2770'	2460'	2140'	1820'	1500'	1180'	860'



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

CHANGES: Missed apch,
LANUM Holding altitude.

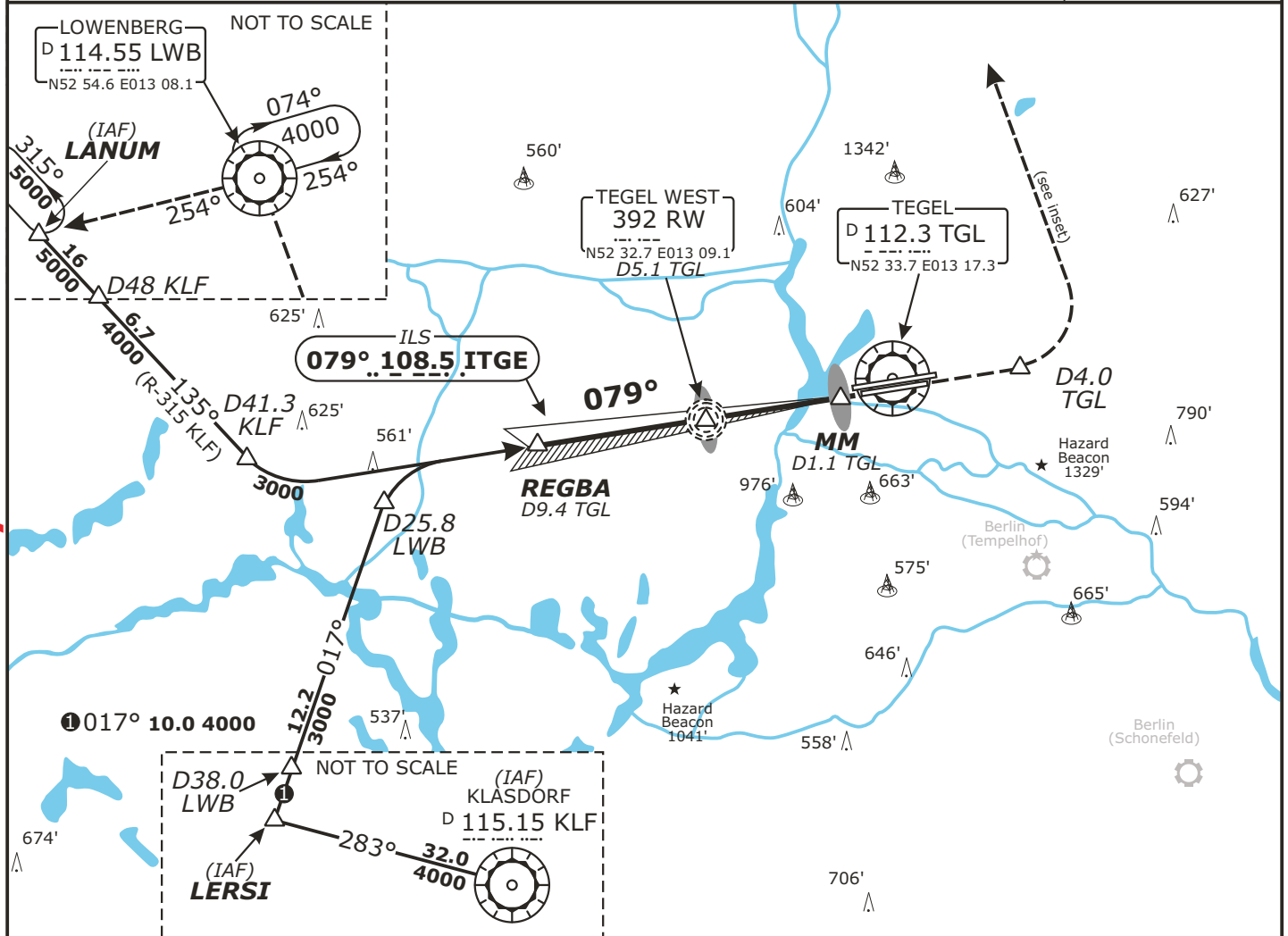
Valid for flight simulation use only - do not use for real life navigation

EDDT/TXL
TEGEL

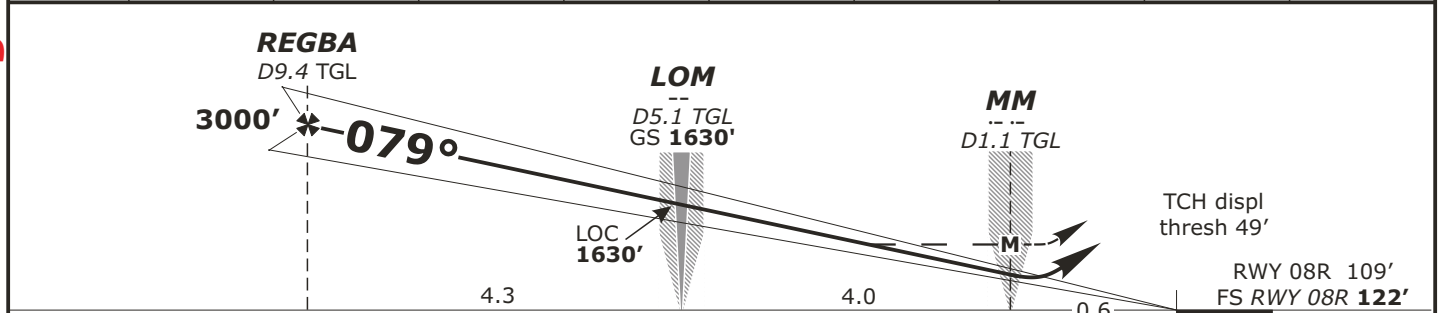
APP CHART NO.2
Revision 19. JUN 07
Effective 21 DEC 06

BERLIN, GERMANY
ILS or LOC Rwy 08R

Radar: Bremen Radar 124.12 Arrival: Bremen Radar 119.70 Bremen Radar 126.42 Director: Berlin Director 121.12		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'	2400' 25 NM MSA TGL VOR
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 ALTITUDE	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0
		2870'	2550'	2230'	1920'	1600'	1280'	960'	640'



Flight Simulator-OPS		STRAIGHT-IN LANDING RWY 08R					
DA(H)		A: 367' (245') C: 387' (265') B: 377' (255') D: 397' (275')		LOC (GS out) MDA(H) 573' (451')			
A		RVR 600m		RVR 1000m			
B				RVR 1200m			
C		RVR 650m					
D				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/D1.1 TGL			

CHANGES: Missed apch,
LANUM Holding altitude.

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

EDDT/TXL TEGEL

APP CHART NO.3
Revision 19. JUN 07
Effective 07 JUN 07

BERLIN, GERMANY ILS or LOC Rwy 26L

Radar: Bremen Radar 124.12
Arrival: Bremen Radar 119.70
Bremen Radar 126.42
Director: Berlin Director 121.12

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

LOC
ITGW
109.3

Final
Apch Crs
259°

GS
LOM
1580' (1458')

ILS DA(H)
Refer to Minimums

Apt Elev 122'
FS: RWY 122'
RWY 122'

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)
LOC: **DME REQUIRED.**

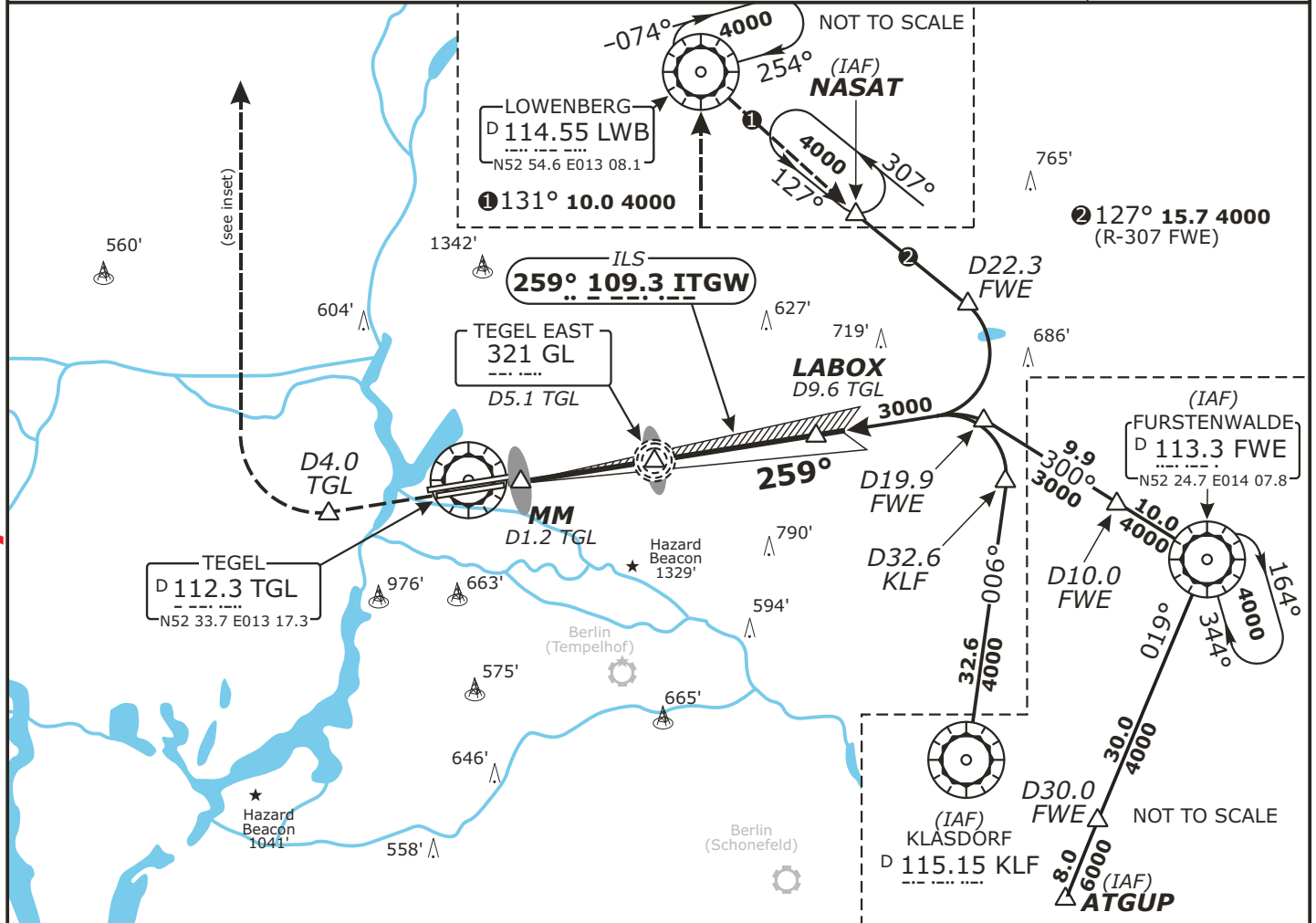
Rwy Elev: 4 hPa

Trans level: By ATC

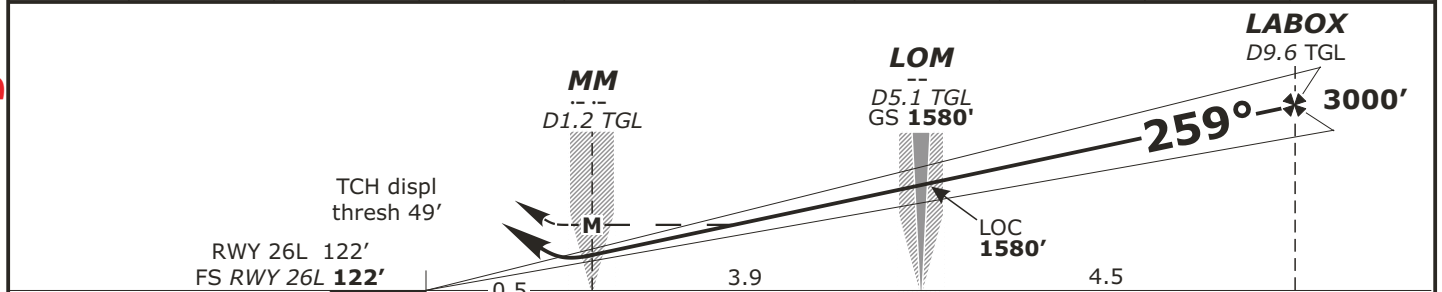
Trans alt: 5000'

MSA
TGL VOR

2400'
25 NM



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') B: 373' (251') C: 383' (261') D: 393' (271')					MAP at MM/D1.2 TGL					
					Gnd speed-Kts					
					ILS GS 3.00° or LOC Descent Gradient 5.2%					
					LOC (GS out) MDA(H) 540' (418')					
					RVR 900m					
					RVR 1000m					
					RVR 1400m					

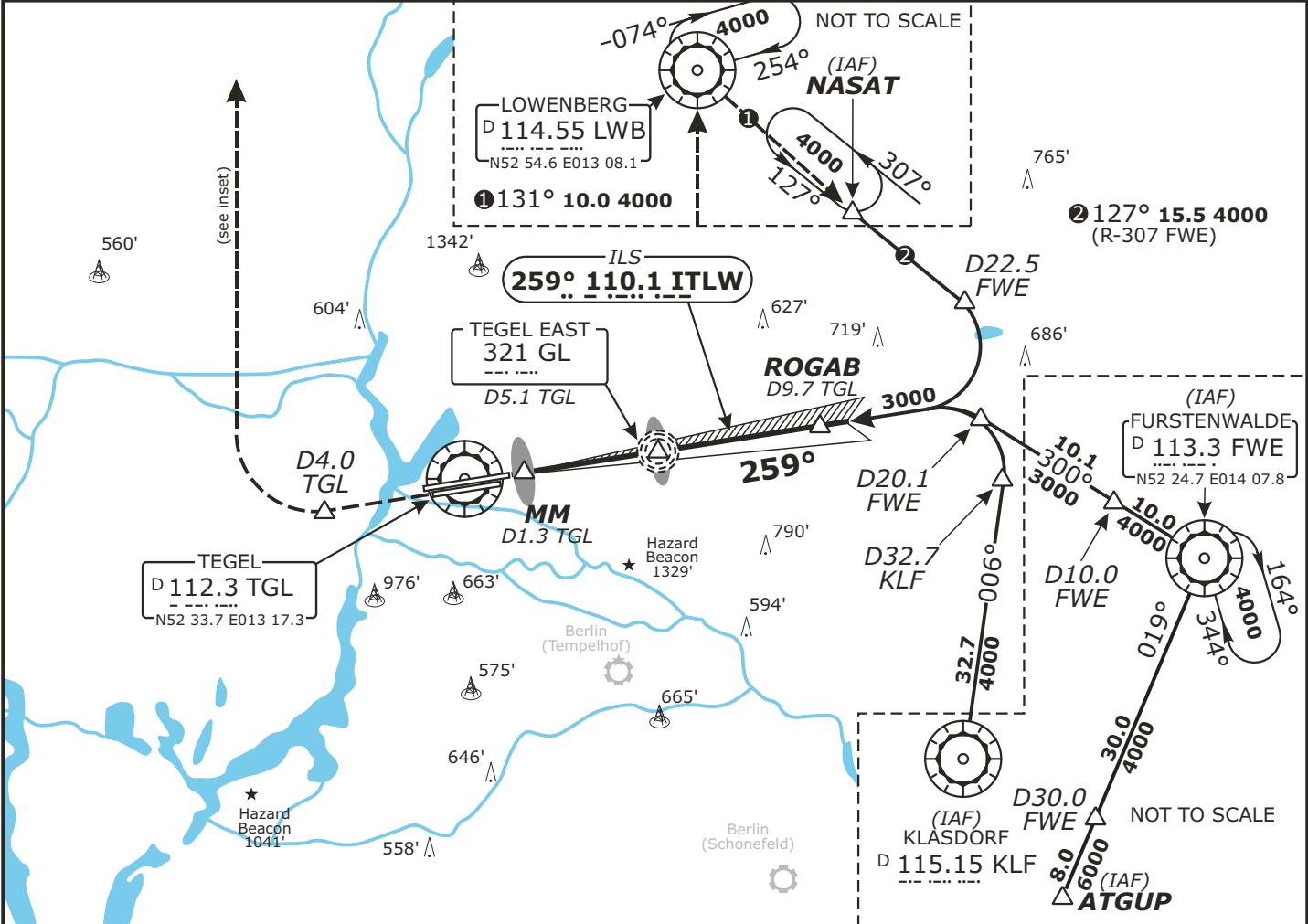
Valid for flight simulation use only - do not use for real life navigation

EDDT/TXL
TEGEL

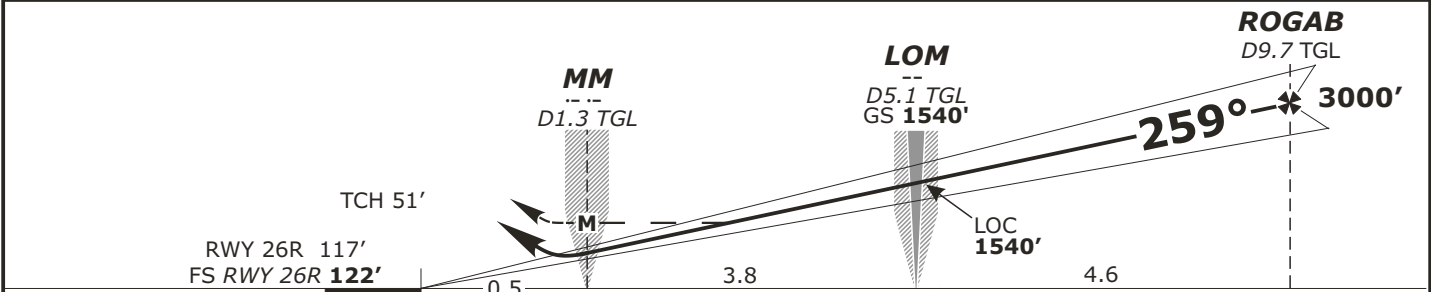
APP CHART NO.4
Revision 19. JUN 07
Effective 07 JUN 07

BERLIN, GERMANY
ILS or LOC Rwy 26R

Radar: Bremen Radar 124.12 Arrival: Bremen Radar 119.70 Bremen Radar 126.42 Director: Berlin Director 121.12		Tower: 124.52 ATIS: 125.90 Ground: 121.92 121.75,when Delivery is in use Delivery: 121.92			
LOC ITLW 110.1	Final Apch Crs 259°	GS LOM 1540' (1418')	ILS DA(H) Refer to Minimums	Apt Elev 122' FS: RWY 122' RWY 117'	2400' 25 NM MSA TGL VOR
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) LOC: DME REQUIRED.		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		560'	870'	1190'	1510'	1830'	2150'	2470'	2780'



Flight Simulator-OPS		STRAIGHT-IN LANDING RWY 26R					
ILS		CAT II ILS		LOC (GS out)			
DA(H) A: 340' (218') C: 360' (238') B: 350' (228') D: 370' (248')		ABCD RA 95' DA(H) 222' (100')		MDA(H) 525' (403')			
RVR 600m		RVR 300m		RVR 900m			
				RVR 1000m			
				RVR 1400m			

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

EDDT/TXL TEGEL

TRANS CHART NO.1
Revision 19. JUN 07
Effective 21 DEC 06

RNAV TRANSITION
BERLIN, GERMANY

Radar: Bremen Radar 124.12
Arrival: Bremen Radar 119.70
Bremen Radar 126.42
Director: Berlin Director 121.12

Tower: 124.52 ATIS: 125.90
Ground: 121.92
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.

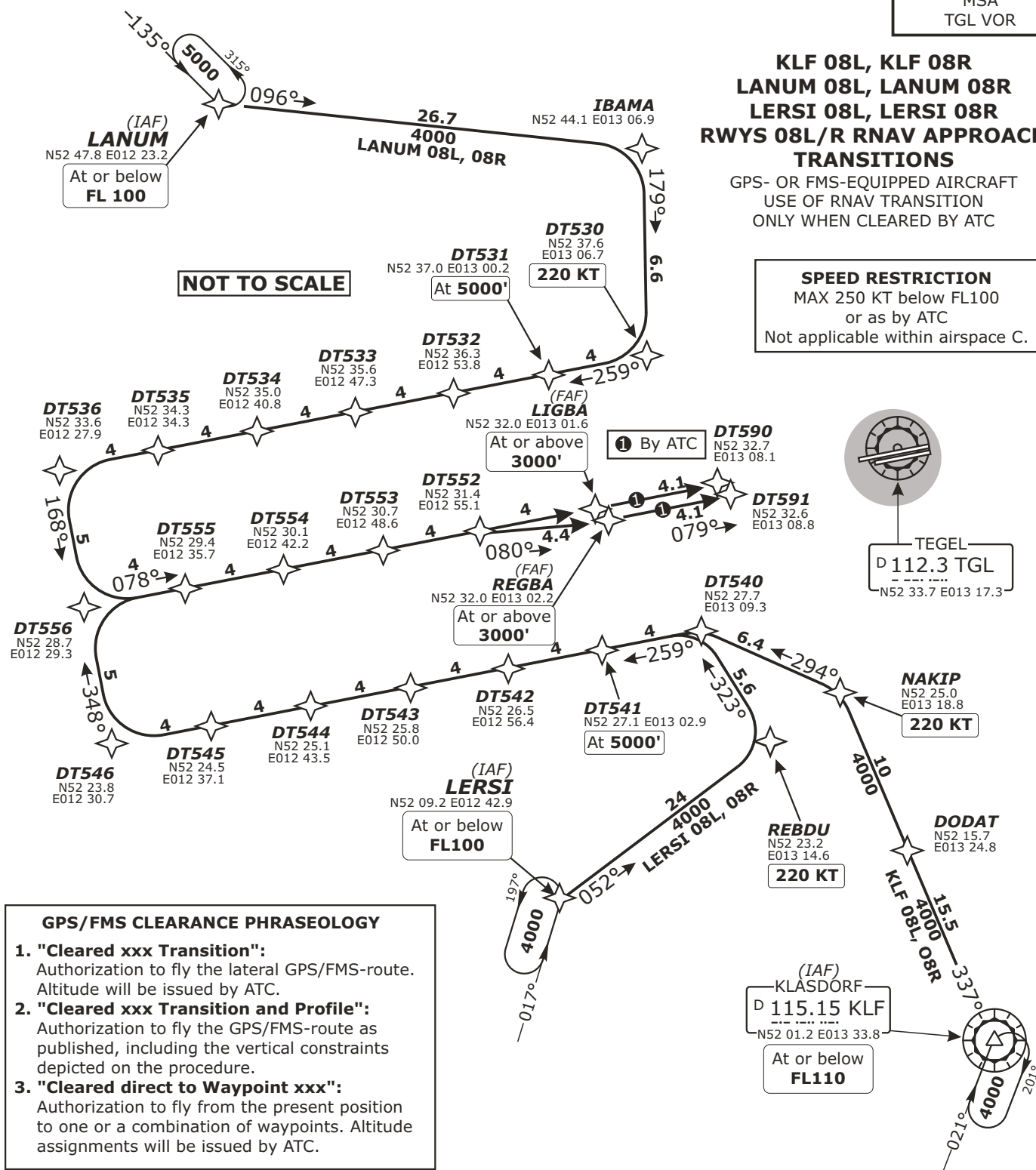
2400'
25 NM

MSA
TGL VOR

KLF 08L, KLF 08R
LANUM 08L, LANUM 08R
LERSI 08L, LERSI 08R
RWYS 08L/R RNAV APPROACH
TRANSITIONS

GPS- OR FMS-EQUIPPED AIRCRAFT
USE OF RNAV TRANSITION
ONLY WHEN CLEARED BY ATC

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



GPS/FMS CLEARANCE PHRASEOLOGY

1. "Cleared xxx Transition":
Authorization to fly the lateral GPS/FMS-route.
Altitude will be issued by ATC.
2. "Cleared xxx Transition and Profile":
Authorization to fly the GPS/FMS-route as
published, including the vertical constraints
depicted on the procedure.
3. "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 19. JUN 07
Effective 15 FEB 07

RNAV TRANSITION

BERLIN, GERMANY

Radar: Bremen Radar 124.12
Arrival: Bremen Radar 119.70
Bremen Radar 126.42
Director: Berlin Director 121.12

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.

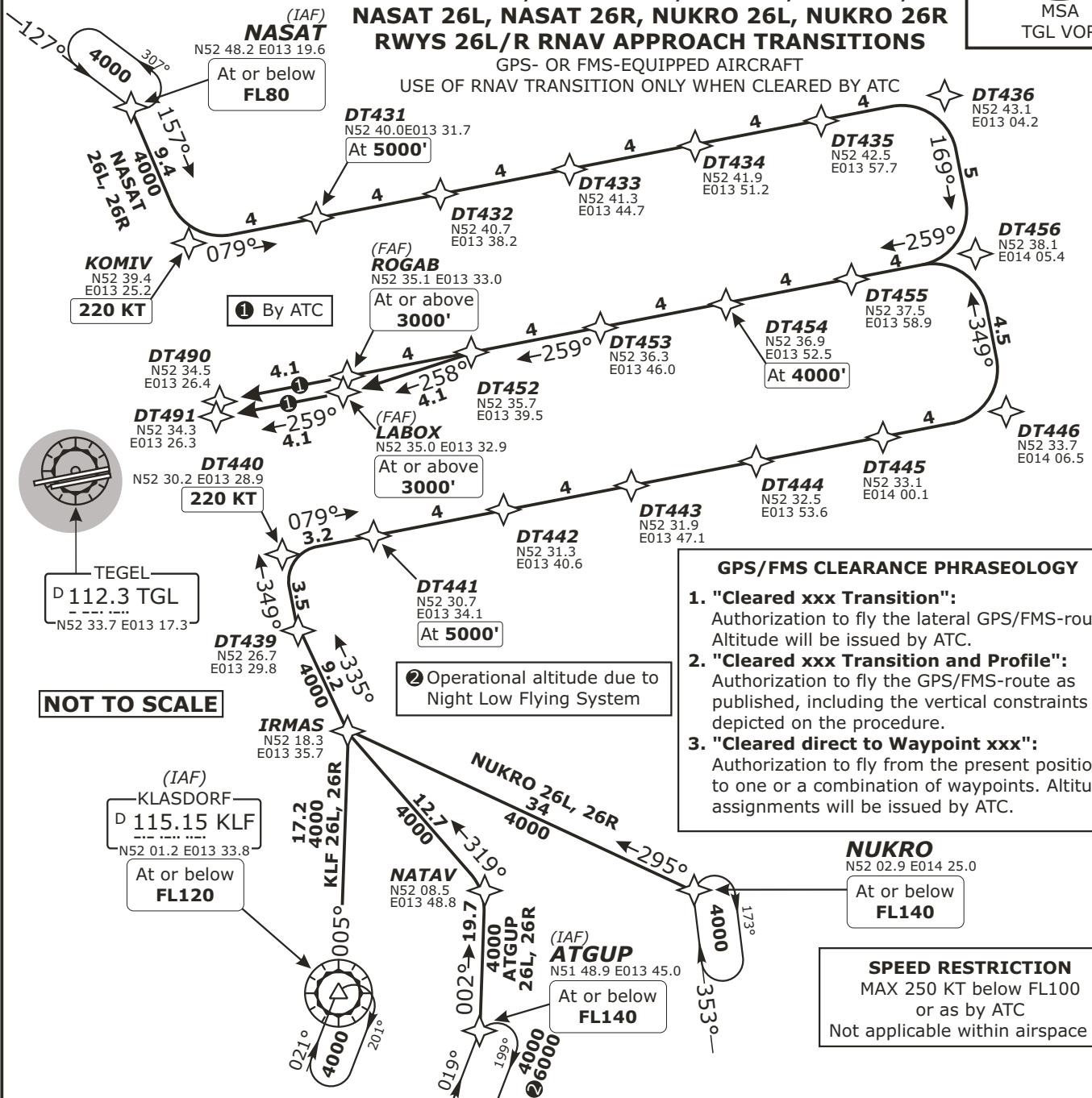
2400'
25 NM

MSA
TGL VOR

**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

1. "Cleared xxx Transition":
Authorization to fly the lateral GPS/FMS-route. Altitude will be issued by ATC.
2. "Cleared xxx Transition and Profile":
Authorization to fly the GPS/FMS-route as published, including the vertical constraints depicted on the procedure.
3. "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.

NUKRO
N52 02.9 E014 25.0
At or below
FL140

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'+).