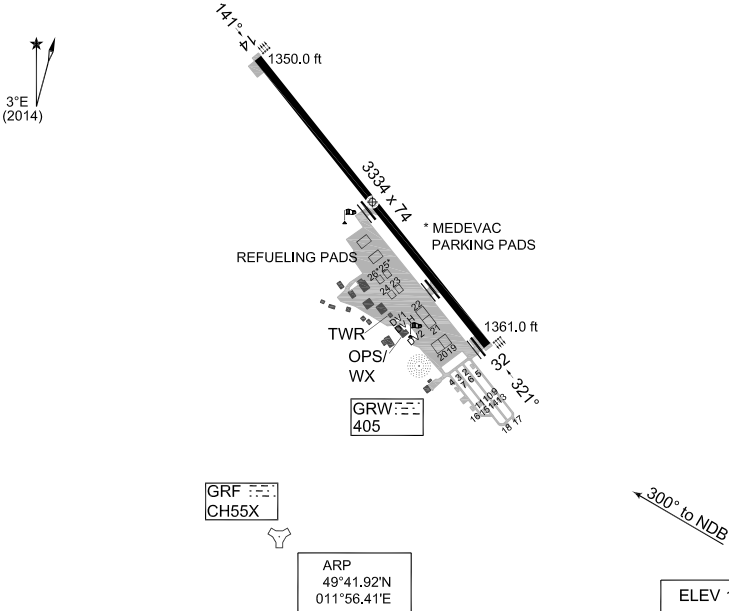


- NOTE:**
- a) REFUELING PADS ARE FOR REFUELING ONLY - NO PARKING.
 - b) FORMER PADS 1,8 AND 12 ARE PERMANENTLY CLOSED.



RWY	PCN	TORA	ASDA	TODA	LDA	PAPI	TDZE	THR PSN
14	75/F/A/W/T	3300	3300	3300	3300	3.0°	1363	49°42.14'N 011°56.16'E
32	75/F/A/W/T	3300	3300	3300	3300	3.0°	1363	49°41.70'N 011°56.66'E

GRAFENWOEHR TWR* 242.400 141.925 30.100

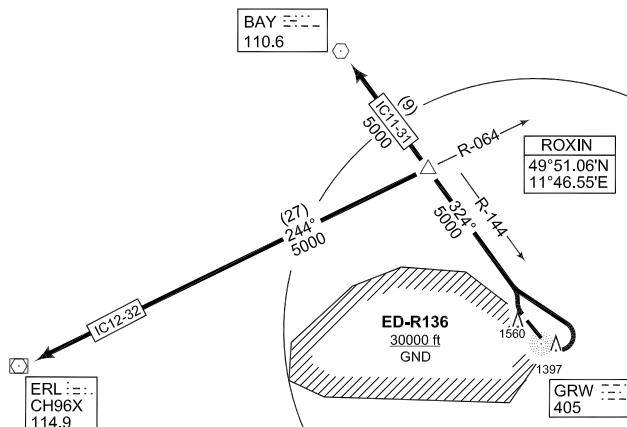
	PROC. CRITERIA	RWY	GS	TCH	OTCH	RPI	CAT	MINIMA CRITERIA	MINIMA
PAR	TERPS	32	3.0°	35		670	ABC	TERPS	1611 - 1200 250 (300-1.2/1.6)

TERPS
INSTRUMENT DEPARTURE CHART

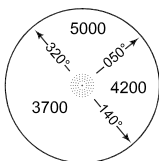
IC 11 - 31 - 12 - 32
GRAFENWOEHR (ETIC)

AD ELEV 1363

GRAFENWOEHR TWR 242.400 141.925 30.100			MUENCHEN RADAR 298.825 129.525			MUENCHEN INFO 125.800 372.225						
GRAF RADAR 138.425 378.650			RWY			Knots	60	120	180	240	to	
			14			V/V (fpm)	263	526	789	1052	3000 ft	
			32			V/V (fpm)	331	662	993	1324	3000 ft	



MSA GRW 25 NM



TA 5000

IC 11 (RWY 32)	- Climbing right turn heading 360° to intercept BAY R-144 - Proceed via BAY R-144 to ROXIN - Proceed via BAY R-144 to BAY
IC 31 (RWY 14)	- Climbing left turn to intercept BAY R-144 - Proceed via BAY R-144 to ROXIN - Proceed via BAY R-144 to BAY
IC 12 (RWY 32)	- Climbing right turn heading 360° to intercept BAY R-144 - Proceed via BAY R-144 to ROXIN - Proceed via ERL R-064 to ERL
IC 32 (RWY 14)	- Climbing left turn to intercept BAY R-144 - Proceed via BAY R-144 to ROXIN - Proceed via ERL R-064 to ERL

IC 11 - 31 - 12 - 32

49°41.97'N
011°56.47'E

GRAFENWOEHR (ETIC)

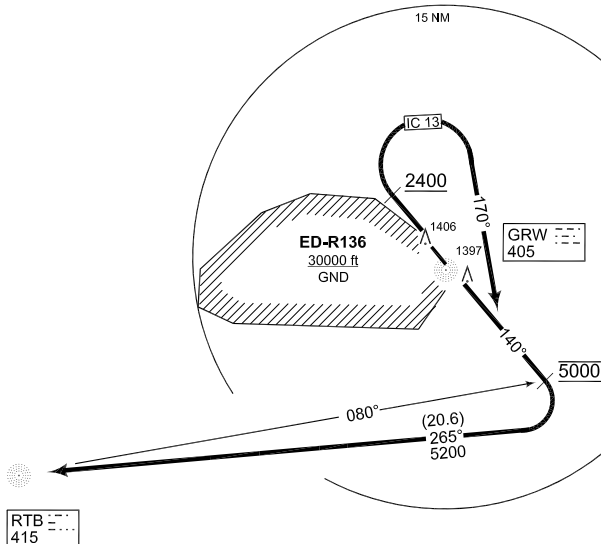
**TERPS
INSTRUMENT DEPARTURE CHART**

AD ELEV 1363

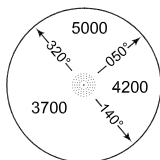
**IC 13 - 33
GRAFENWOEHR (ETIC)**

GRAFENWOEHR TWR 242.400 141.925 30.100	MUENCHEN RADAR 298.825 129.525	MUENCHEN INFO 125.800 372.225					
GRAF RADAR 138.425 378.650		RWY	Knots	60	120	180	240
		14	V/V (fpm)	360	720	1080	1440
		32	V/V (fpm)	400	800	1200	1600
							to
							5000 ft
							5000 ft

NOTE:
ONLY FOR USE BY AIRCRAFT
INBOUND FOR LANDING EDDN RWY 28



MSA GRW 25 NM



TA 5000

IC 13
(RWY 32)

Climb straight ahead until passing 2400 ft, then continue climbing right turn heading 170° to intercept 140° bearing from GRW to cross RTB 080° bearing at 5000 ft, thence climbing right turn to 5200 ft via 085° bearing and proceed to RTB

IC 33
(RWY 14)

Climb via 140° bearing from GRW to cross RTB 080° bearing at 5000 ft, thence climbing right turn to 5200 ft via 085° bearing and proceed to RTB

IC 13 - 33

49°41.97'N
011°56.47'E

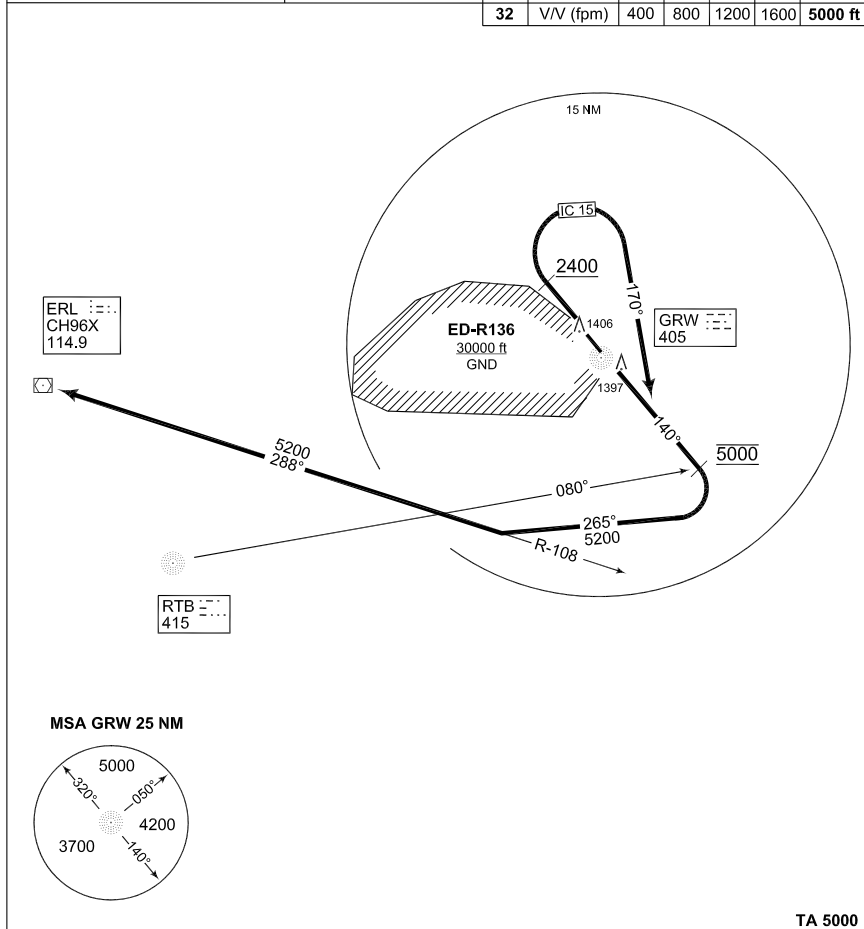
GRAFENWOEHR (ETIC)

TERPS
INSTRUMENT DEPARTURE CHART

AD ELEV 1363

IC 15 - 35
GRAFENWOEHR (ETIC)

GRAFENWOEHR TWR 242.400 141.925 30.100	MUENCHEN RADAR 298.825 129.525	MUENCHEN INFO 125.800 372.225					
GRAF RADAR 138.425 378.650		RWY	Knots	60	120	180	240
		14	V/V (fpm)	360	720	1080	1440
		32	V/V (fpm)	400	800	1200	1600
							to
							5000 ft
							5000 ft



IC 15 (RWY 32)	Climb straight ahead until passing 2400 ft, then continue climbing right turn heading 170° to intercept 140° bearing from GRW to cross RTB 080° bearing at 5000 ft, then climbing right turn to 5200 ft via 085° bearing RTB, to intercept and proceed via ERL R-108 to ERL
IC 35 (RWY 14)	Climb via 140° bearing from GRW to cross RTB 080° bearing at 5000 ft, then climbing right turn to 5200 ft via 085° bearing RTB, to intercept and proceed via ERL R-108 to ERL

IC 15 - 35

49°41.97'N
011°56.47'E

GRAFENWOEHR (ETIC)

CHANGE ORIGINATOR (004/15)

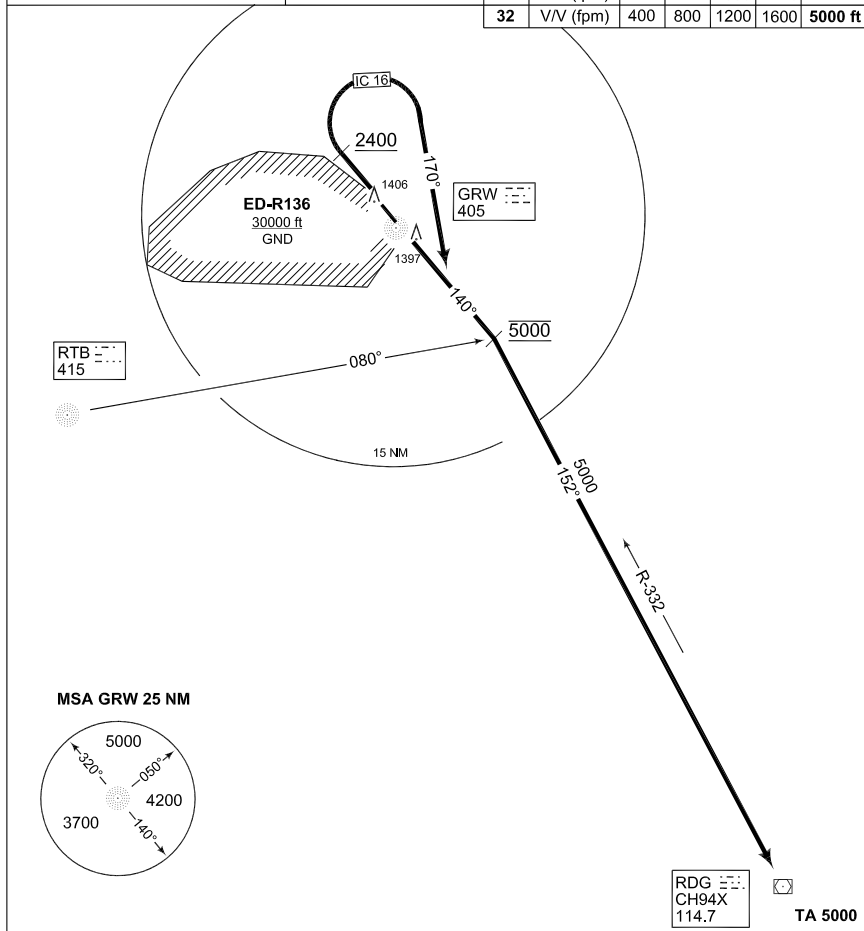
ZentrLufOp/NGA 12 NOV 2015

**TERPS
INSTRUMENT DEPARTURE CHART**

AD ELEV 1363

**IC 16 - 36
GRAFENWOEHR (ETIC)**

GRAFENWOEHR TWR 242.400 141.925 30.100			MUENCHEN RADAR 298.825 129.525			MUENCHEN INFO 125.800 372.225						
GRAF RADAR 138.425 378.650						RWY	Knots	60	120	180	240	to
						14	V/V (fpm)	360	720	1080	1440	5000 ft
						32	V/V (fpm)	400	800	1200	1600	5000 ft



IC 16 (RWY 32)	Climb straight ahead until passing 2400 ft, then continue climbing right turn heading 170° to intercept 140° bearing from GRW to cross RTB 080° bearing at 5000 ft, thence turn right to intercept RDG R-332 to RDG
IC 36 (RWY 14)	Climb via 140° bearing from GRW to cross RTB 080° bearing at 5000 ft, thence turn right to intercept RDG R-332 to RDG

IC 16 - 36

49°41.97'N
011°56.47'E

GRAFENWOEHR (ETIC)

CHANGE ORIGINATOR (304/15)

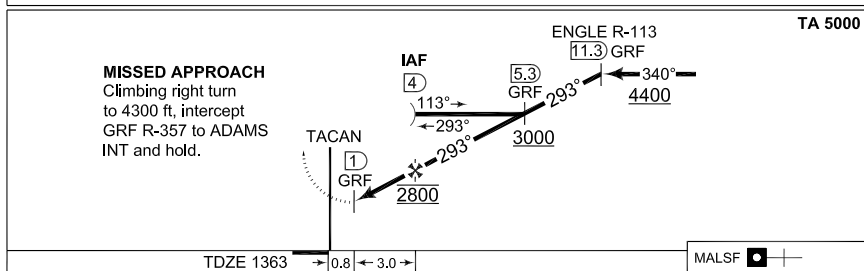
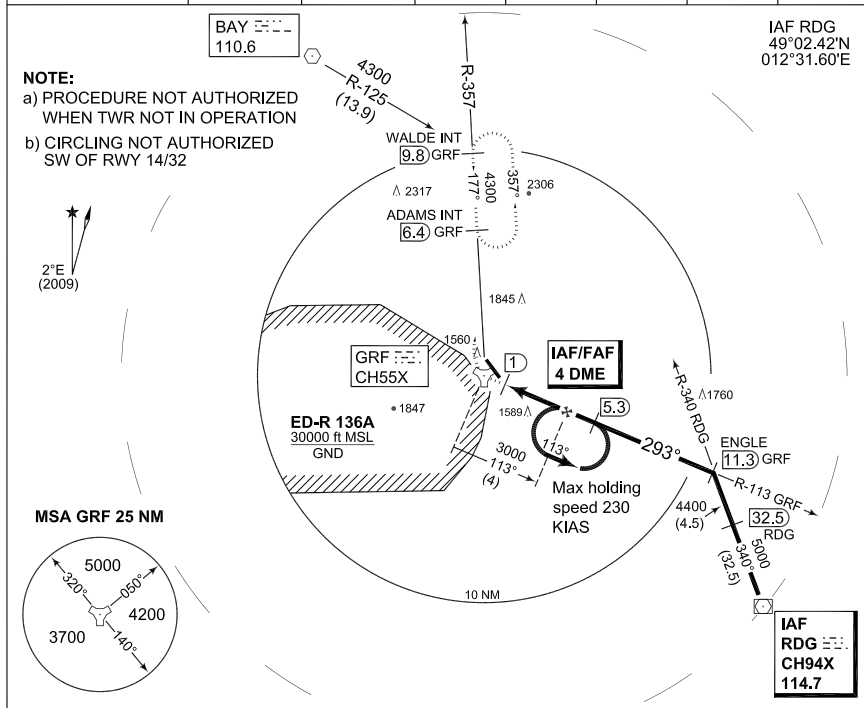
ZentrLufOp/INGA 12 NOV 2015

TERPS INSTRUMENT APPROACH CHART

AD ELEV 1363

TACAN RWY 32
GRAFENWOEHR (ETIC)

MUENCHEN RADAR		GRAF RADAR		GRAFENWOEHR TWR*		
298.825 129.525		138.425 378.650		242.400 141.925 30.100		
TACAN	APP COURSE	FAF ALT	MDA	TDZE	ALS-Length	LDA
GRF CH55X	293°	2800	1840	1363	427 M	3300



CHANGE: OBST (360/15)

CATEGORY	A	B	C
S-32	1840 - 1.6 477 (500-1.6)		1840 - 2.0 477 (500-2.0)
CIRCLING	1900 - 1.6 537 (600-1.6)		1900 - 2.4 537 (600-2.4)

TACAN RWY 32

49°41.92'N
011°56.41'E

GRAFENWOEHR (ETIC)

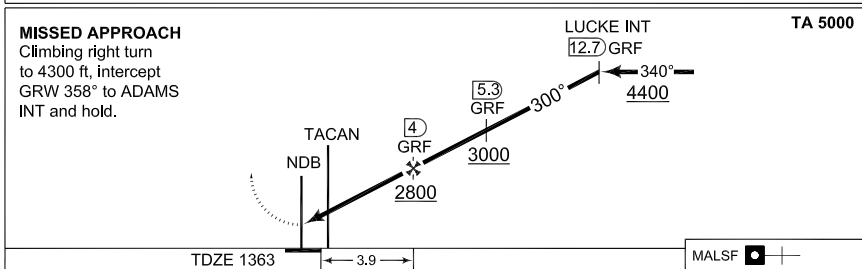
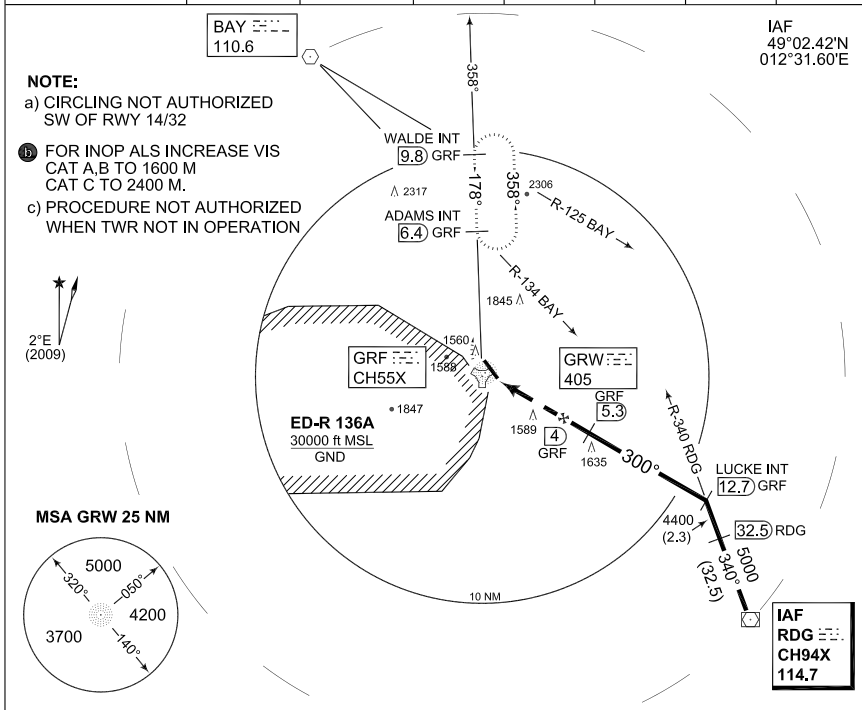
ZentLufTop/INGA 07 JAN 2016

TERPS INSTRUMENT APPROACH CHART

AD ELEV 1363

NDB/DME RWY 32
GRAFENWOEHR (ETIC)

MUENCHEN RADAR 298.825 129.525		GRAF RADAR 138.425 378.650		GRAFENWOEHR TWR* 242.400 141.925 30.100		
NDB GRW 405	APP COURSE 300°	FAF ALT 2800		MDA 1900	TDZE 1363	ALS-Length 427 M LDA 3300



CATEGORY	A	B	C
S-32 b	1900 - 1.2 537 (600-1.2)		1900 - 2.0 537 (600-2.0)
CIRCLING	1900 - 1.6 537 (600-1.6)		1900 - 2.4 537 (600-2.4)

NDB/DME RWY 32

49°41.92'N
011°56.41'E

GRAFENWOEHR (ETIC)

TERPS INSTRUMENT APPROACH CHART

AD ELEV 1363

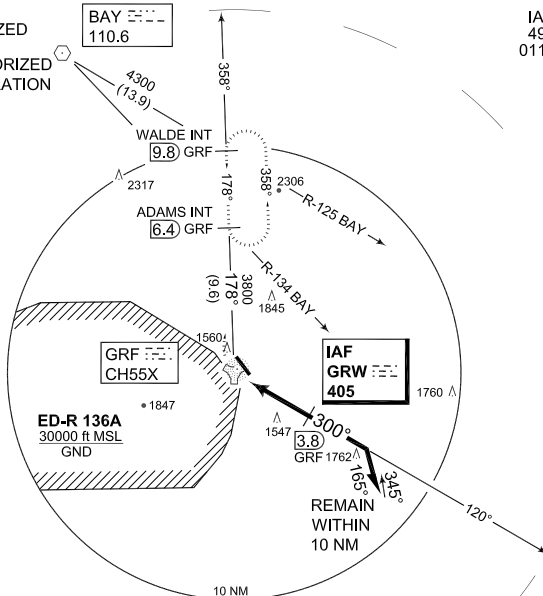
NDB/VOR RWY 32
GRAFENWOEHR (ETIC)

MUENCHEN RADAR 298.825 129.525		GRAF RADAR 138.425 378.650		GRAFENWOEHR TWR* 242.400 141.925 30.100		
NDB GRW 405	APP COURSE 300°		MDA 2200	TDZE 1363	ALS-Length 427 M	LDA 3300

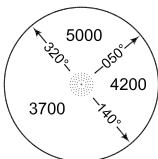
NOTE:

- CIRCLING NOT AUTHORIZED
SW OF RWY 14/32
- PROCEDURE NOT AUTHORIZED
WHEN TWR NOT IN OPERATION

IAF
49°41.67'N
011°56.50'E



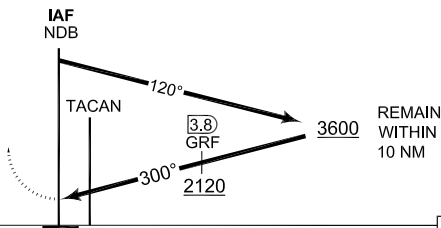
MSA GRW 25 NM



TA 5000

MISSED APPROACH

Climbing right turn
to 4300 ft, intercept
GRW 358° to ADAMS
INT and hold.



TDZE 1363

MALSF

CATEGORY	A	B	C
S-32	2200 - 1.6 837 (900-1.6)	2200 - 2.0 837 (900-2.0)	2200 - 3.8 837 (900-3.8)
CIRCLING	2200 - 1.6 837 (900-1.6)	2200 - 2.0 837 (900-2.0)	2200 - 3.8 837 (900-3.8)
S-32 DME	1900 - 1200 537 (600-1.2/1.6)		1900 - 2000 537 (600-2.0/2.4)
CIRCLING DME	1900 - 1.6 537 (600-1.6)		1900 - 2.4 537 (600-2.4)

NDB/VOR RWY 32

49°41.92'N
011°56.41'E

GRAFENWOEHR (ETIC)

TERPS INSTRUMENT APPROACH CHART

AD ELEV 1363

NDB/VOR A
GRAFENWOEHR (ETIC)

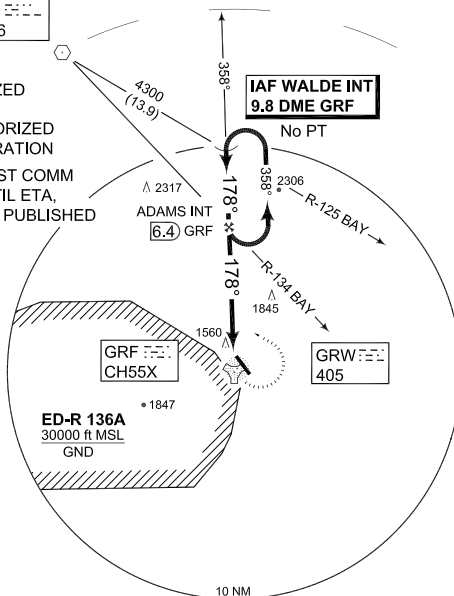
MUECHEN RADAR		GRAF RADAR		GRAFENWOEHR TWR*		
298.825	129.525	138.425	378.650	242.400	141.925	30.100
NDB	APP COURSE	FAF ALT	MDA	TDZE	ALS-Length	LDA
GRW 405	178°	3400	2160	1363	427 M	3300

NOTE:

- CIRCLING NOT AUTHORIZED SW OF RWY 14/32
- PROCEDURE NOT AUTHORIZED WHEN TWR NOT IN OPERATION
- ACFT EXPERIENCING LOST COMM HOLD AT ADAMS INT UNTIL ETA, THENCE PROCEED WITH PUBLISHED APPROACH

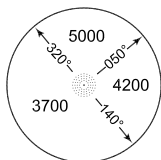


BAY 110.6



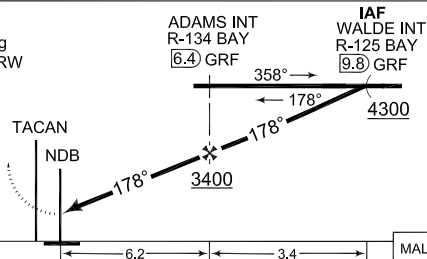
IAF
49°51.76'N
011°55.83'E

MSA GRW 25 NM



MISSED APPROACH

Climbing left turn to 4300 ft remaining within 5NM to hdg 300°. Intercept GRW 358° to ADAMS INT and hold.



TA 5000

TERPS	CATEGORY	A	B	C
	CIRCLING	2160 - 1.6 797 (800-1.6)	2160- 2.0 797 (800-2.0)	2160- 3.6 797 (800-3.6)

NDB/VOR A

49°41.92'N
011°56.41'E

GRAFENWOEHR (ETIC)

TERPS INSTRUMENT APPROACH CHART

AD ELEV 1363

COPTER NDB/VOR 178°
GRAFENWOEHR (ETIC)

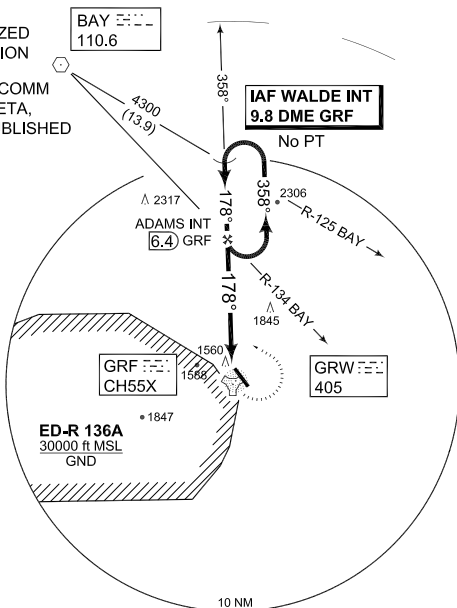
MUENCHEN RADAR		GRAF RADAR		GRAFENWOEHR TWR*		
298.825	129.525	138.425 378.650		242.400 141.925 30.100		
NDB	APP COURSE	FAF ALT	MDA	TDZE	ALS-Length	LDA
GRW 405	178°	3400	2160	1363	427 M	3300

NOTE:

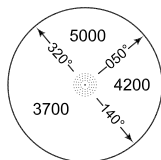
- PROCEDURE NOT AUTHORIZED WHEN TWR NOT IN OPERATION
- ACFT EXPERIENCING LOST COMM HOLD AT ADAMS INT UNTIL ETA, THENCE PROCEED WITH PUBLISHED APPROACH

IAF
49°51.76'N
011°55.83'E

2°E
(2009)

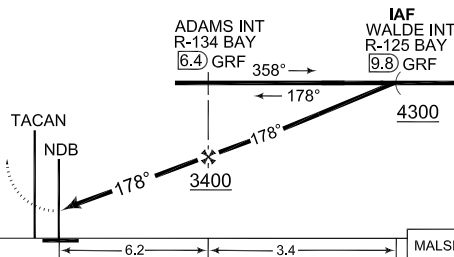


MSA GRW 25 NM



MISSED APPROACH

Climbing left turn to 4300 ft remaining within 5NM to hdg 300°. Intercept GRW 358° to ADAMS INT and hold.



TA 5000

CATEGORY	COPTER
H-178°	2160 - 1200 797 (800-1.2)

COPTER NDB/VOR 178°

49°41.92'N
011°56.41'E

GRAFENWOEHR (ETIC)

CHANGE: OBST (360/15)

ZentLutOp/INGA 07 JAN 2016

TERPS INSTRUMENT APPROACH CHART

**COPTER NDB 300°
GRAFENWOEHR (ETIC)**

MUNICH RADAR		AD ELEV 1363		GRAFENWOEHR TWR*		
298.825	129.525	138.425 378.650		242.400	141.925	30.100
NDB	APP COURSE		MDA	TDZE	ALS-Length	LDA
GRW 405	300°		1940	1363	427 M	3300

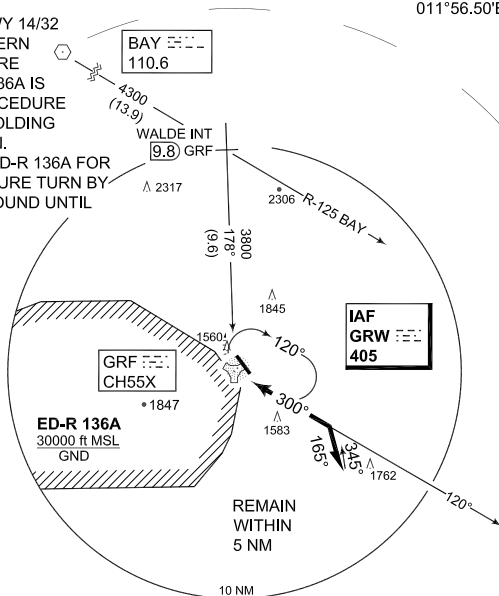
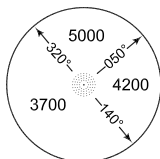
NOTE:

- PROCEDURE NOT AUTHORIZED WHEN TWR NOT IN OPERATION
- CIRCLING NOT AUTHORIZED SW OF RWY 14/32
- LEFT TURNS FROM THE HOLDING PATTERN TO INITIATE A COURSE REVERSAL ARE NOT AUTHORIZED. ENTRY INTO ED-R 136A IS LIMITED TO THE PORTION OF THE PROCEDURE THAT OVERFLIES THE NDB FOR THE HOLDING PATTERN AND THE WALDE TRANSITION.
- AIRCRAFTS SHALL REMAIN CLEAR OF ED-R 136A FOR THE COURSE RESERVAL AND PROCEDURE TURN BY REMAINING ON THE 120° TRACK OUTBOUND UNTIL THE PROCEDURE TURN IS INITIATED.

IAF
49°41.67'N
011°56.50'E



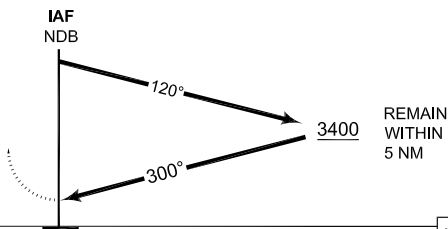
MSA GRW 25 NM



TA 5000

MISSED APPROACH

Climbing right turn to 4300 ft, in GRW holding pattern.



TDZE 1363

MALSF

CHANGE: OBST (360/15)

CATEGORY	COPTER
H-300°	1940 - 800 577 (600-0.8)

COPTER NDB 300°

49°41.92'N
011°56.41'E

GRAFENWOEHR (ETIC)

ZentLuitop/INGA 07 JAN 2016