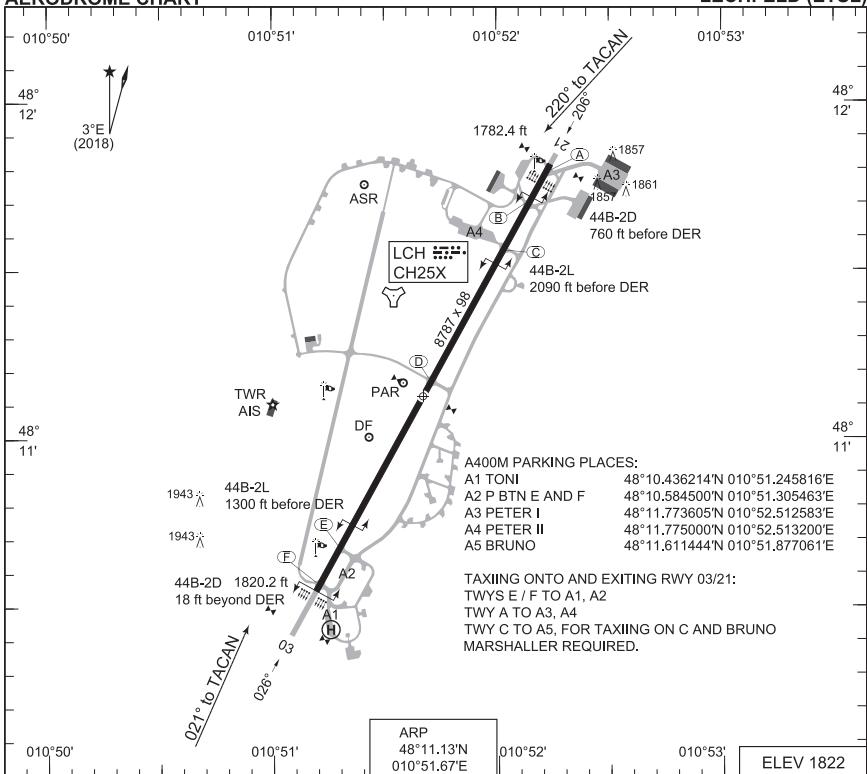


AERODROME CHART

LECHFELD (ETSL)



RWY	LCN	TORA	ASDA	TODA	LDA	PAPI	TDZE	THR PSN
03	50	8787	8787	8787	8787	3.0°	1820	48°10.55'N 010°51.19'E
21	50	8787	8787	8787	8787	3.0°	1785	48°11.81'N 010°52.24'E

LECHFELD TOWER 296.725 122.100
LECHFELD RADAR 358.650 278.050 337.975 129.025 138.350x 138.900x SSR 4270 - 4277

*in front of threshold

	PROC. CRITERIA	RWY	GS	TCH	OTCH	RPI	CAT	MINIMA CRITERIA	MINIMA
PAR	TERPS	03	3.0°		42	123*	ABCDE	TERPS	2022 - 0.8 200 (200-0.8/1.2)
	TERPS	21	3.0°	49		876	ABCDE	TERPS	1996 - 0.8 200 (200-0.8/1.2)
SRA	TERPS	03					AB C DE	TERPS	2280 - 0.8 458 (500-0.8/1.6) 2280 - 1.2 458 (500-1.2/2.0) 2280 - 1.6 458 (500-1.6/2.4)
	TERPS	21					AB C D E	TERPS	2220 - 0.8 424 (400-0.8/1.6) 2220 - 1.2 424 (400-1.2/1.6) 2220 - 1.2 424 (400-1.2/2.0) 2220 - 1.6 424 (400-1.6/2.4)

AERODROME CHART

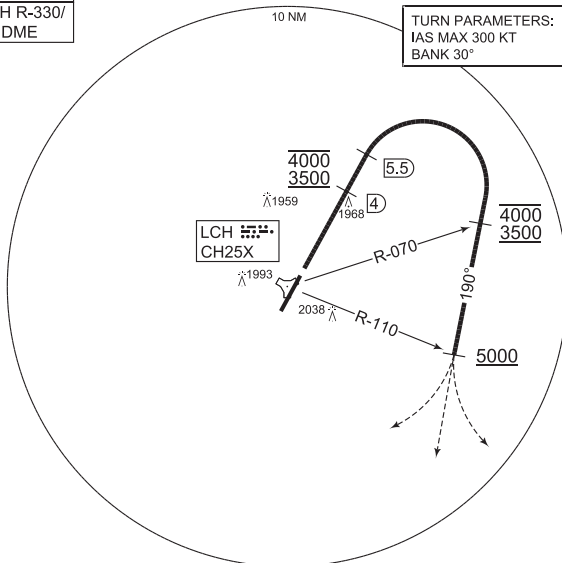
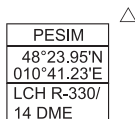
LECHFELD (ETSL)

CHANGE: TWR FREQ DELETED (434/18)

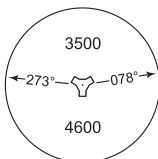
Zenturlop 06 DEC 2018

SL 303
LECHFELD (ETSL)

LECHFIELD TOWER 296.725		LECHFIELD RADAR 358.650 278.050 129.025					MUENCHEN RADAR 259.000 129.450		
		RWY	from - to	60	120	180	240	300	Reason
		03	DER - 3500 ft	496	992	1488	1984	2480	ATC



MSA LCH 25 NM



EMERG SAFE ALT 100 NM 14800

TA 5000

SL 303 (RWY 03)	- Climb straight ahead to LCH/5.5 DME (Pass LCH/4 DME between 3500 ft and 4000 ft) - At LCH/5.5 DME turn right heading 190° - Pass LCH R-070 between at 3500 ft and 4000 ft - Pass LCH R-110 not below 5000 ft
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CHANGE: TWR FREQ DELETED (434/18)

ZentrLuftOp 06 DEC 2018

SL 303

48°11.13'N
010°51.67'E

LECHFELD (ETSL)

**PANS-OPS
INSTRUMENT DEPARTURE CHART**

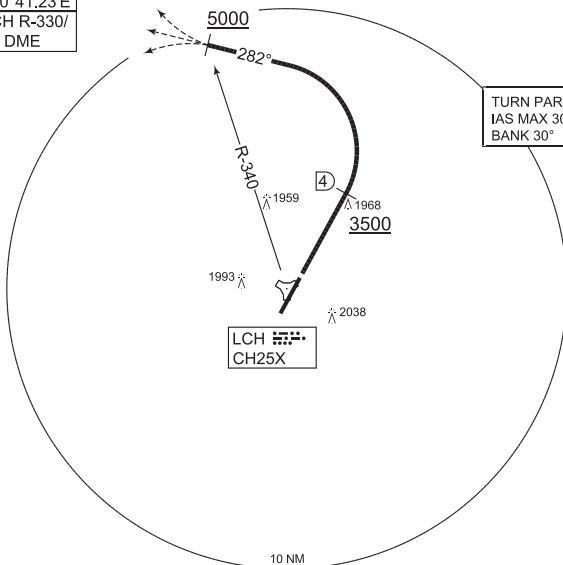
AD ELEV 1822

**SL 403
LECHFELD (ETSL)**

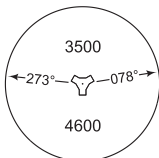
LECHFELD TOWER 296.725	LECHFELD RADAR 358.650 278.050 129.025				MUENCHEN RADAR 259.000 129.450			
	RWY 03	from - to DER - 3500 ft	60 496	120 992	180 1488	240 1984	300 2480	Reason ATC



PESIM
48°23.95'N
010°41.23'E
LCH R-330/ 14 DME



MSA LCH 25 NM



EMERG SAFE ALT 100 NM 14800

TA 5000

SL 403
(RWY 03)

- Climb straight ahead to LCH/4 DME (Pass LCH/4 DME not below 3500 ft)
- At LCH/4 DME turn left on track 282° (Pass LCH R-340 not below 5000 ft)

SL 403

48°11.13'N
010°51.67'E

LECHFELD (ETSL)

CHANGE: TWR FREQ DELETED (434/18)

ZentriLufOp 06 DEC 2018

**PANS-OPS
INSTRUMENT DEPARTURE CHART**

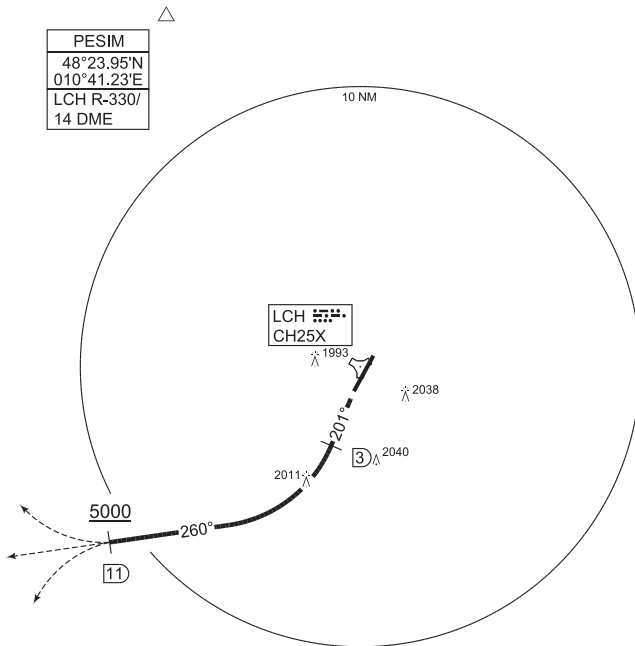
AD ELEV 1822

**SL 621
LECHFELD (ETSL)**

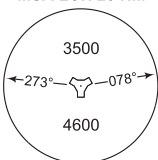
LECHFELD TOWER 296.725	LECHFELD RADAR 358.650 278.050 129.025		MUENCHEN RADAR 259.000 129.450					
	RWY 21	from - to DER - 5000 ft	60 278	120 556	180 834	240 1112	300 1390	Reason ATC



PESIM
48°23.95'N
010°41.23'E
LCH R-330/ 14 DME



MSA LCH 25 NM



EMERG SAFE ALT 100 NM 14800

TA 5000

SL 621
(RWY 21)

- Turn left to track 201° and proceed to LCH/3 DME
- Turn right on track 260° until passing LCH/11 DME
- Pass LCH/11 DME not below 5000 ft
- Proceed to PESIM and climb to FL70 or continue as cleared by ATC

SL 621

48°11.13'N
010°51.67'E

LECHFELD (ETSL)

PANS-OPS
INSTRUMENT DEPARTURE CHART

AD ELEV 1822

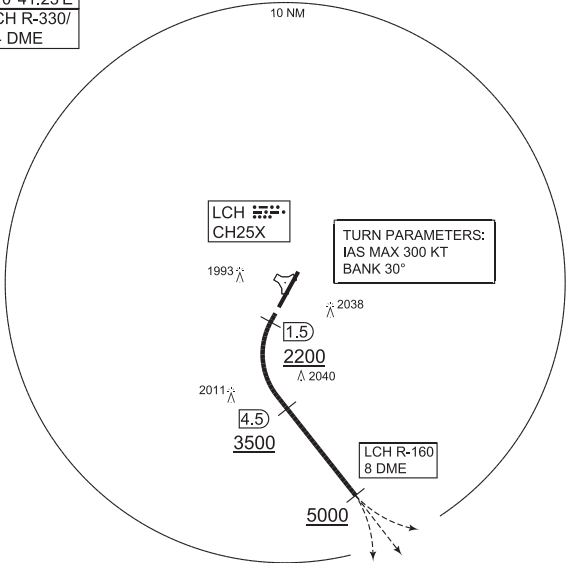
SL 721
LECHFELD (ETSL)

LECHFELD TOWER 296.725		LECHFELD RADAR 358.650 278.050 129.025					MUENCHEN RADAR 259.000 129.450			
NOTE:		RWY	from - to		60	120	180	240	300	Reason
		21	DER - 2200 ft		606	1212	1818	2424	3030	ATC
			2200 - 5000 ft		395	790	1185	1580	1975	ATC

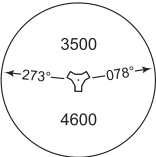
NOTE:
FORMATION TAKE-OFF
FOR FAMILIARIZED
AIRCREWS ONLY



PESIM
48°23.95'N
010°41.23'E
LCH R-330/ 14 DME



MSA LCH 25 NM



EMERG SAFE ALT 100 NM 14800

TA 5000

SL 721 (RWY 21)	- Climb straight ahead to LCH/1.5 DME (Pass LCH/1.5 DME not below 2200 ft) - At LCH/1.5 DME turn left and proceed on track 140° to LCH R-160/8 DME - Pass LCH/4.5 DME not below 3500 ft - Pass LCH/8 DME not below 5000 ft
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SL 721

48°11.13'N
010°51.67'E

LECHFELD (ETSL)

CHANGE: TWR FREQ DELETED (434/18)

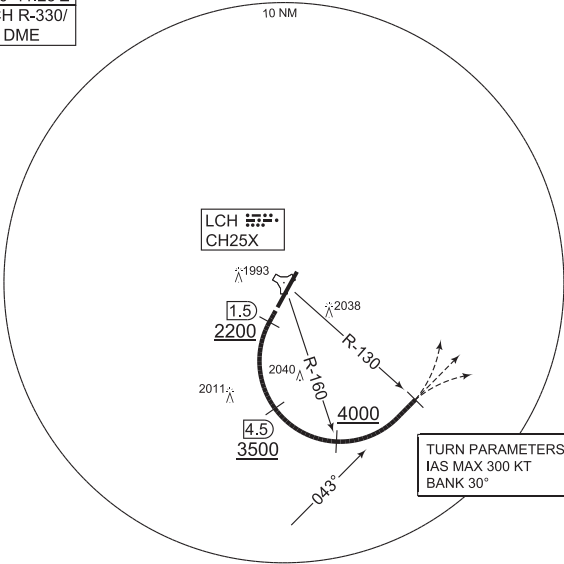
ZenitLufOp 06 DEC 2018

LECHFELD TOWER 296.725		LECHFELD RADAR 358.650 278.050 129.025			MUENCHEN RADAR 259.000 129.450				
		RWY	from - to	60	120	180	240	300	Reason
		21	DER - 2200 ft	606	1212	1818	2424	3030	ATC
NOTE:			2200 - 4000 ft	390	780	1170	1560	1950	ATC

NOTE:
NOT FOR CLOSE FORMATION

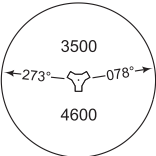


PESIM
48°23.95'N
010°41.23'E
LCH R-330/ 14 DME



TURN PARAMETERS:
IAS MAX 300 KT
BANK 30°

MSA LCH 25 NM



EMERG SAFE ALT 100 NM 14800

TA 5000

SL 921 (RWY 21)	- Climb straight ahead to LCH/1.5 DME (Pass LCH/1.5 DME not below 2200 ft) - Turn left to heading 043° (Pass LCH/4.5 DME not below 3500 ft) - Cross R-160 not below 4000 ft - Maintain heading 043° until R-130
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CHANGE: TWR FREQ DELETED (434/18)

ZentriLufOp 06 DEC 2018

MIPS INSTRUMENT APPROACH CHART

AD ELEV 1822

TACAN RWY 03
LECHFELD (ETSL)

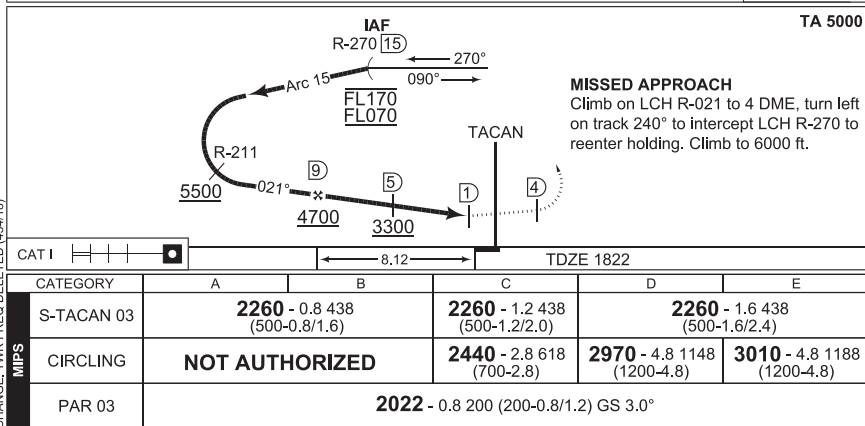
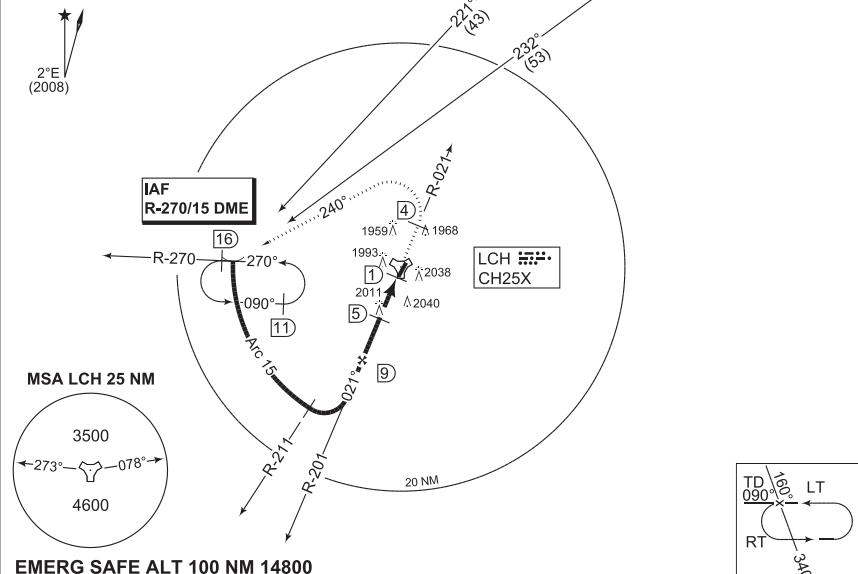
MUENCHEN RADAR 259.000 129.450		358.650	LECHFELD RADAR 278.050 129.025 123.300			LECHFELD TOWER 296.725 122.100	
TACAN LCH CH25X	APP COURSE 021°	FAF ALT 4700	DESCENT GR 3.3° (5.7%)	MDA 2260	TDZE 1822	ALS-LENGTH 700 M	LDA 8787

CAUTION:

a) CIRCLING CAT C:
SPEED LIMITED TO 140 KIAS

NOTE:

DISREGARD PAPI INDICATION



CAT I

8.12 TDZE 1822

CATEGORY	A	B	C	D	E
S-TACAN 03	2260 - 0.8 438 (500-0.8/1.6)		2260 - 1.2 438 (500-1.2/2.0)	2260 - 1.6 438 (500-1.6/2.4)	
CIRCLING	NOT AUTHORIZED		2440 - 2.8 618 (700-2.8)	2970 - 4.8 1148 (1200-4.8)	3010 - 4.8 1188 (1200-4.8)
PAR 03	2022 - 0.8 200 (200-0.8/1.2) GS 3.0°				

TACAN RWY 03

48°11.13'N
010°51.67'E

LECHFELD (ETSL)

MIPS INSTRUMENT APPROACH CHART

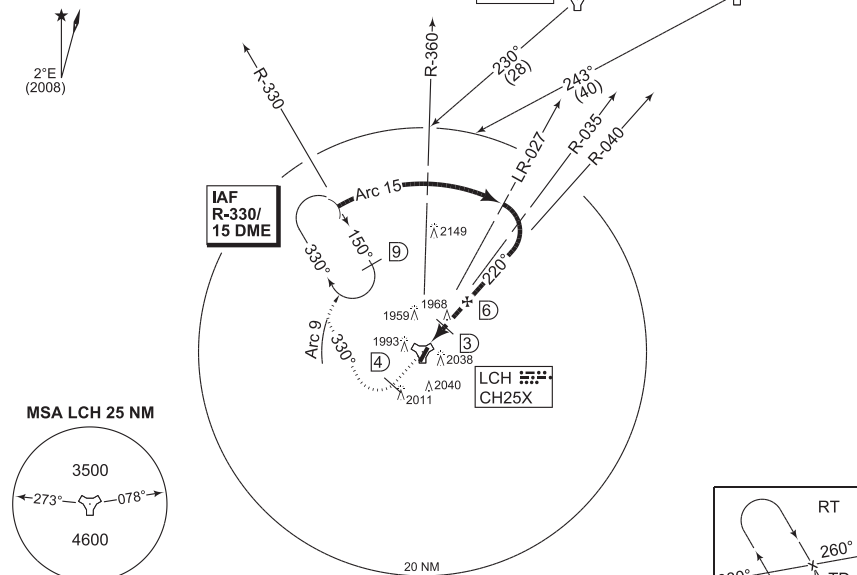
AD ELEV 1822

TACAN RWY 21
LECHFELD (ETSL)

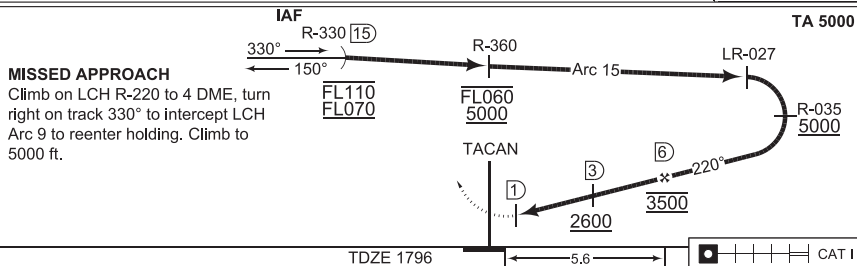
MUENCHEN RADAR 259.000 129.450		LECHFELD RADAR 358.650 278.050 129.025 123.300			LECHFELD TOWER 296.725 122.100		
TACAN LCH CH25X	APP COURSE 220°	FAF ALT 3500	DESCENT GR 3.0° (5.2%)	MDA 2150	TDZE 1796	ALS-LENGTH 750 M	LDA 8787

CAUTION:
CIRCLING CAT C:
SPEED LIMITED TO 140 KIAS

IAF
48°24.40'N
010°40.30'E



EMERG SAFE ALT 100 NM 14800



CATEGORY	A	B	C	D	E
S-TACAN 21	2150 - 0.8 354 (400-0.8/1.6)		2150 - 1.2 354 (400-1.2/1.6)	2150 - 1.2 354 (400-1.2/2.0)	
CIRCLING	NOT AUTHORIZED		2440 - 2.8 618 (700-2.8)	2970 - 4.8 1148 (1200-4.8)	3010 - 4.8 1188 (1200-4.8)
PAR 21	1996 - 0.8 200 (200-0.8/1.2) GS 3.0°				

TACAN RWY 21

48°11.13'N
010°51.67'E

LECHFELD (ETSL)

MIPS INSTRUMENT APPROACH CHART

AD ELEV 1822

ARA/IAA RWY 21
LECHFELD (ETSL)

MUENCHEN RADAR 259.000 129.450	LECHFELD RADAR 358.650 278.050 129.025			LECHFELD TOWER 296.725		
	APP COURSE 207°	FAF ALT 3500		MDA 2160	TDZE 1796	ALS-LENGTH 750 M LDA 8787

CAUTION:

- a) CIRCLING CAT C:
SPEED LIMITED TO 140 KIAS

NOTE:

- b) IAA PROCEDURE FOR FAMILIARIZED
AIRCREWS ONLY.



PESIM
48°23.95'N
010°41.23'E

IAF 'R'
48°25.51'N
010°55.90'E

'S'
48°22.66'N
010°57.31'E

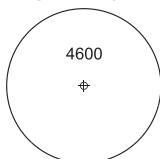
IAF 'Q'
48°18.80'N
010°58.05'E

FAF
48°16.36'N
010°56.01'E

RPI
48°11.69'N
010°52.13'E

**RESERVOIR
KÖNIGSBRUNN
CENTER OF DAM**
1623 ft MSL
48°15.98'N
010°56.22'E

MSA ARP 25 NM



EMERG SAFE ALT 100 NM 14800

ETSA

ARA REFLECTORS



TA 5000

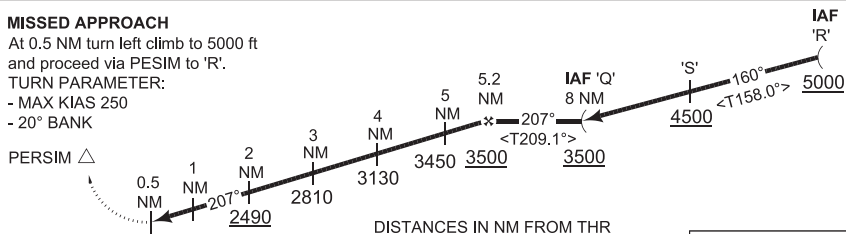
MISSED APPROACH

At 0.5 NM turn left climb to 5000 ft
and proceed via PESIM to 'R'.

TURN PARAMETER:

- MAX KIAS 250
- 20° BANK

PERSIM △



DISTANCES IN NM FROM THR

TDZE 1796

CAT I

CATEGORY	C	D	E
S-ARA/IAA 21	2160 - 1.2 364 (400-1.2/1.6)	2160 - 1.2 364 (400-1.2/2.0)	
CIRCLING	2440 - 2.8 618 (700-2.8)	2970 - 4.8 1148 (1200-4.8)	3010 - 4.8 1188 (1200-4.8)

ARA/IAA RWY 21

48°11.13'N
010°51.67'E

LECHFELD (ETSL)

MIPS INSTRUMENT APPROACH CHART

AD ELEV 1822

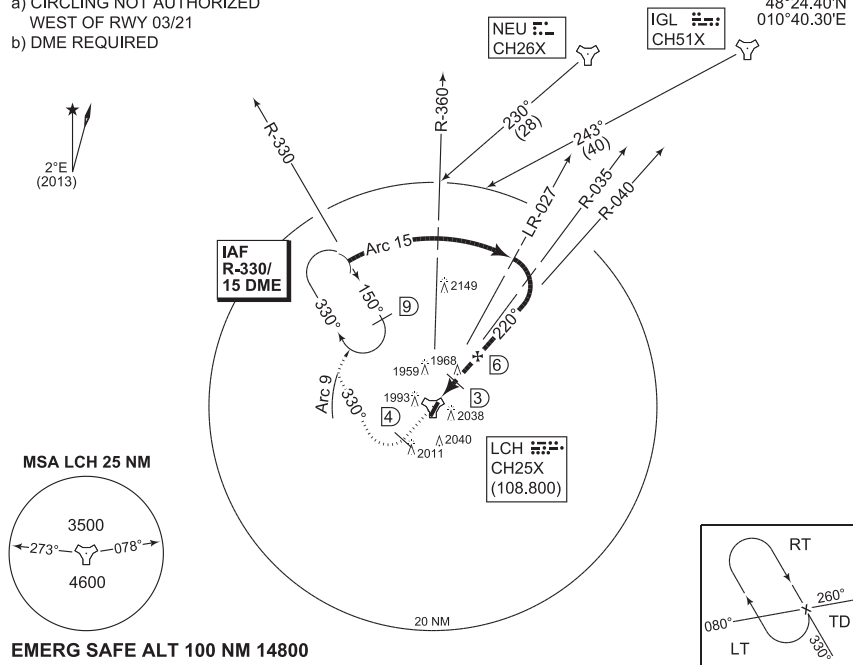
HPMA TACAN RWY 21 LECHFELD (ETSL)

MUENCHEN RADAR 259.000 129.450		LECHFELD RADAR 358.650 278.050 129.025 123.300			LECHFELD TOWER 296.725 122.100		
TACAN LCH CH25X	APP COURSE 220°	FAF ALT 3500	DESCENT GR 3.0° (5.2%)	MDA 2150	TDZE 1796	ALS-LENGTH 750 M	LDA 8787

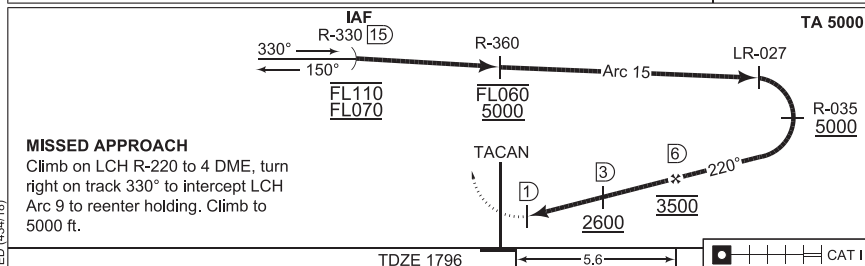
NOTE:

- CIRCLING NOT AUTHORIZED
WEST OF RWY 03/21
- DME REQUIRED

IAF
48°24.40'N
010°40.30'E



EMERG SAFE ALT 100 NM 14800



MISSED APPROACH

Climb on LCH R-220 to 4 DME, turn right on track 330° to intercept LCH Arc 9 to reenter holding. Climb to 5000 ft.

CATEGORY		HPMA
HPMA TACAN 21		2150 - 1.2 354 (400-1.2/2.0)
HPMA CIRCLING		2380 - 3.2 558 (600-3.2)

HPMA TACAN RWY 21

48°11.13'N
010°51.67'E

LECHFELD (ETSL)

MIPS INSTRUMENT APPROACH CHART

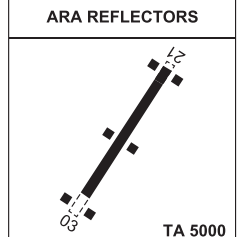
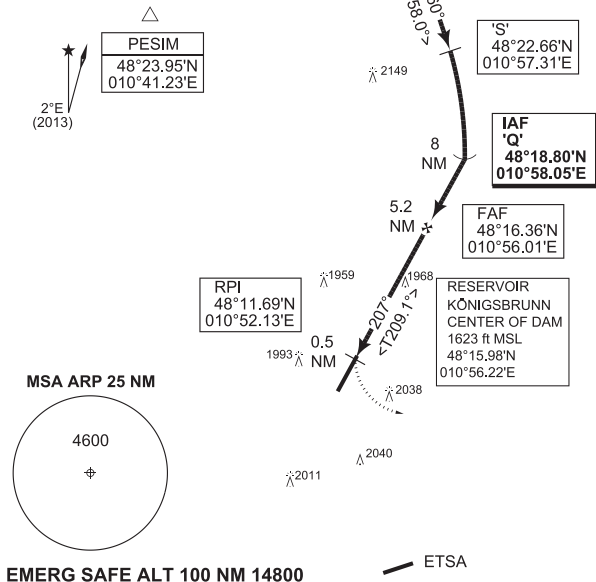
AD ELEV 1822

HPMA ARA/IAA RWY 21
LECHFELD (ETSL)

MUENCHEN RADAR 259.000 129.450	LECHFELD RADAR 358.650 278.050 129.025 123.300				LECHFELD TOWER 296.725 122.100		
	APP COURSE 207°	FAF ALT 3500	DESCENT GR 5.27%	MDA 2160	TDZE 1796	ALS-LENGTH 750 M	LDA 8787

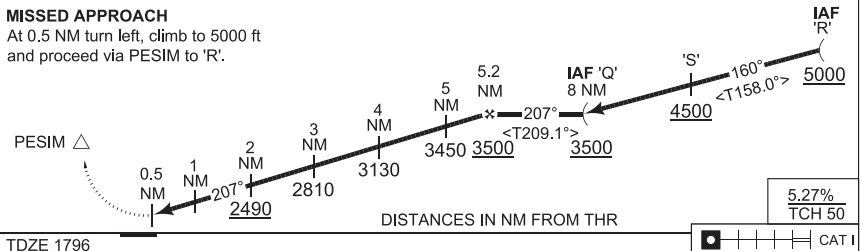
NOTE:

- CIRCLING NOT AUTHORIZED WEST OF RWY 03/21.
- IAA PROCEDURE FOR FAMILIARIZED AIRCREWS ONLY.
- MAX MISSED APCH SPEED 250 KIAS



MISSED APPROACH

At 0.5 NM turn left, climb to 5000 ft and proceed via PESIM to 'R'.



CHANGE: TWR FREQ DELETED (434/18)

TDZE 1796	DISTANCES IN NM FROM THR		5.27% TCH 50	CAT I
CATEGORY	HPMA			
HPMA ARA/ IAA RWY 21	2160 - 1.2 364 (400-1.2/2.0)			
HPMA CIRCLING	2380 - 3.2 558 (600-3.2)			

HPMA ARA/IAA RWY 21

48°11.13'N
010°51.67'E

LECHFELD (ETSL)

ZentrLufOp 06 DEC 2018