Page 1
Changed chart(s) since Disc 03-2011
ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE

No revision activity since Disc 03-2011

General Info

Emmen, CHE
N 47° 05.4' E 08° 18.2' Mag Var: 0.0°W
Elevation: 1398'

Military, IFR, Control Tower, No Customs

Time Zone Info: GMT+1:00 uses DST

Runway Info

Runway 04-22 8208' x 131' asphalt

Runway 04 (36.0°M) TDZE 1400'
  Lights: Edge, ALS
  Displaced Threshold Distance 203'
Runway 22 (216.0°M) TDZE 1390'
  Lights: Edge, ALS
  Displaced Threshold Distance 408'

Communications Info

Emmen Tower **120.425** Military
Emmen Tower **314.97** Military
Emmen Approach Control **140.775** Military
Emmen Arrival Control **148.025** Military
Emmen Arrival Control **143.775** Military
Emmen Arrival Control **119.5** Military
Emmen Arrival Control **360.52** Military
Emmen Arrival Control **340.10** Military
Emmen Arrival Control **281.90** Military
Emmen Arrival Control **244.37** Military
Emmen Departure Control **148.025** Military
Emmen Departure Control **143.775** Military
Emmen Departure Control **119.5** Military
Emmen Departure Control **360.52** Military
Emmen Departure Control **340.10** Military
Emmen Departure Control **281.90** Military
Emmen Departure Control **244.37** Military
Emmen Information **138.05** Military
Emmen Information **297.10** Military

Notebook Info

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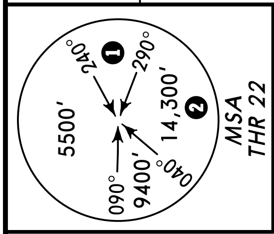
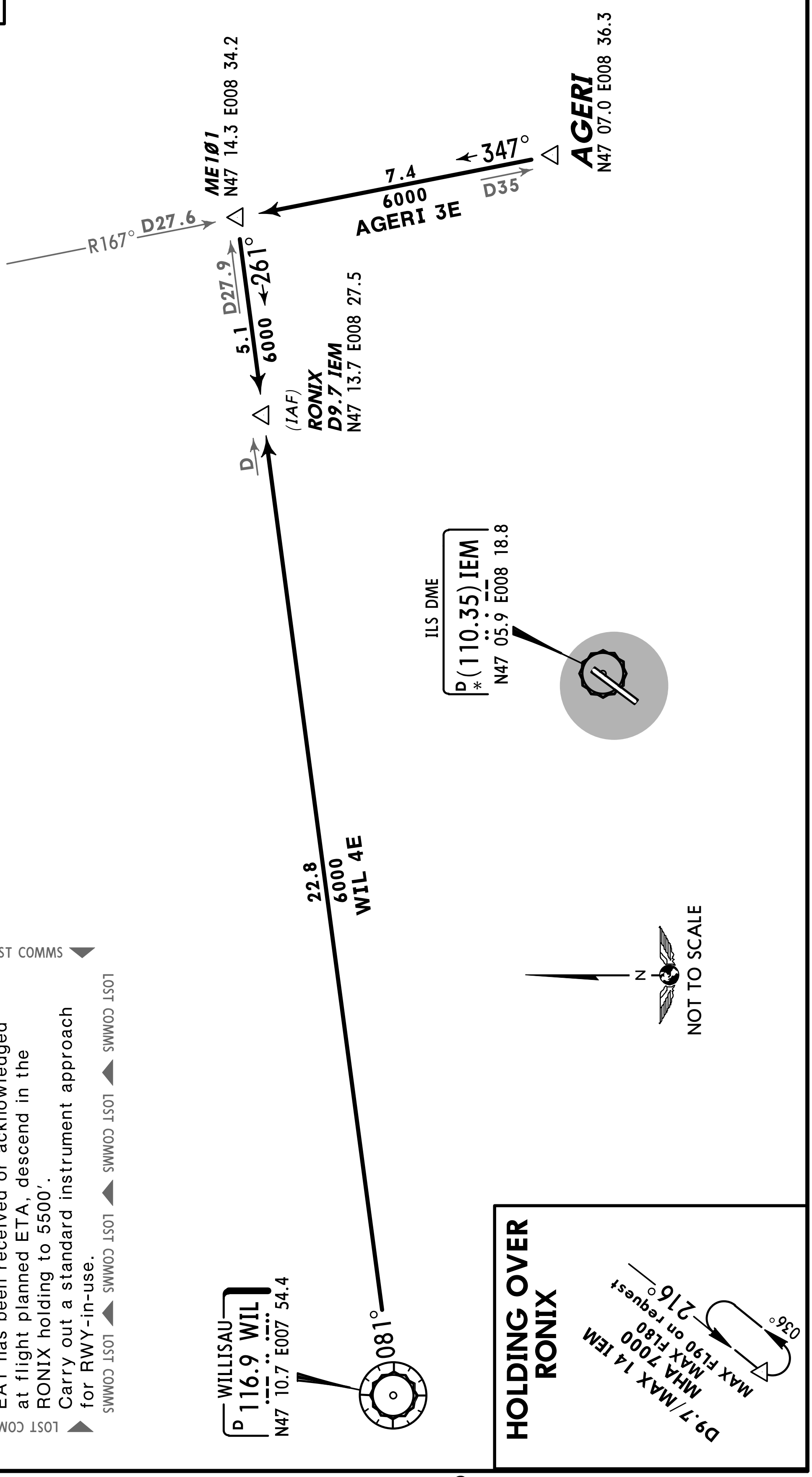
Apt Elev 1398'	Alt Set: hPa Trans level: By ATC Trans alt: 7000' PPR: Military procedures with permission only during mil ops hours.



AGERI THREE ECHO (AGERI 3E) [AGER3E]
WILLISAU FOUR ECHO (WIL 4E)
ARRIVALS



STAR	ROUTING
AGERI 3E	Intercept TRA R-167 inbound to ME101, intercept WIL R-081 inbound to RONIX.
WIL 4E	Intercept WIL R-081 to RONIX.

LOST COMMS

Proceed via STAR to RONIX. At last received or acknowledged EAT or, if no EAT has been received or acknowledged at flight planned ETA, descend in the RONIX holding to 5500'.
Carry out a standard instrument approach for RWY-in-use.

CHANGES: Restriction established.

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LSME/EML
EMMEN

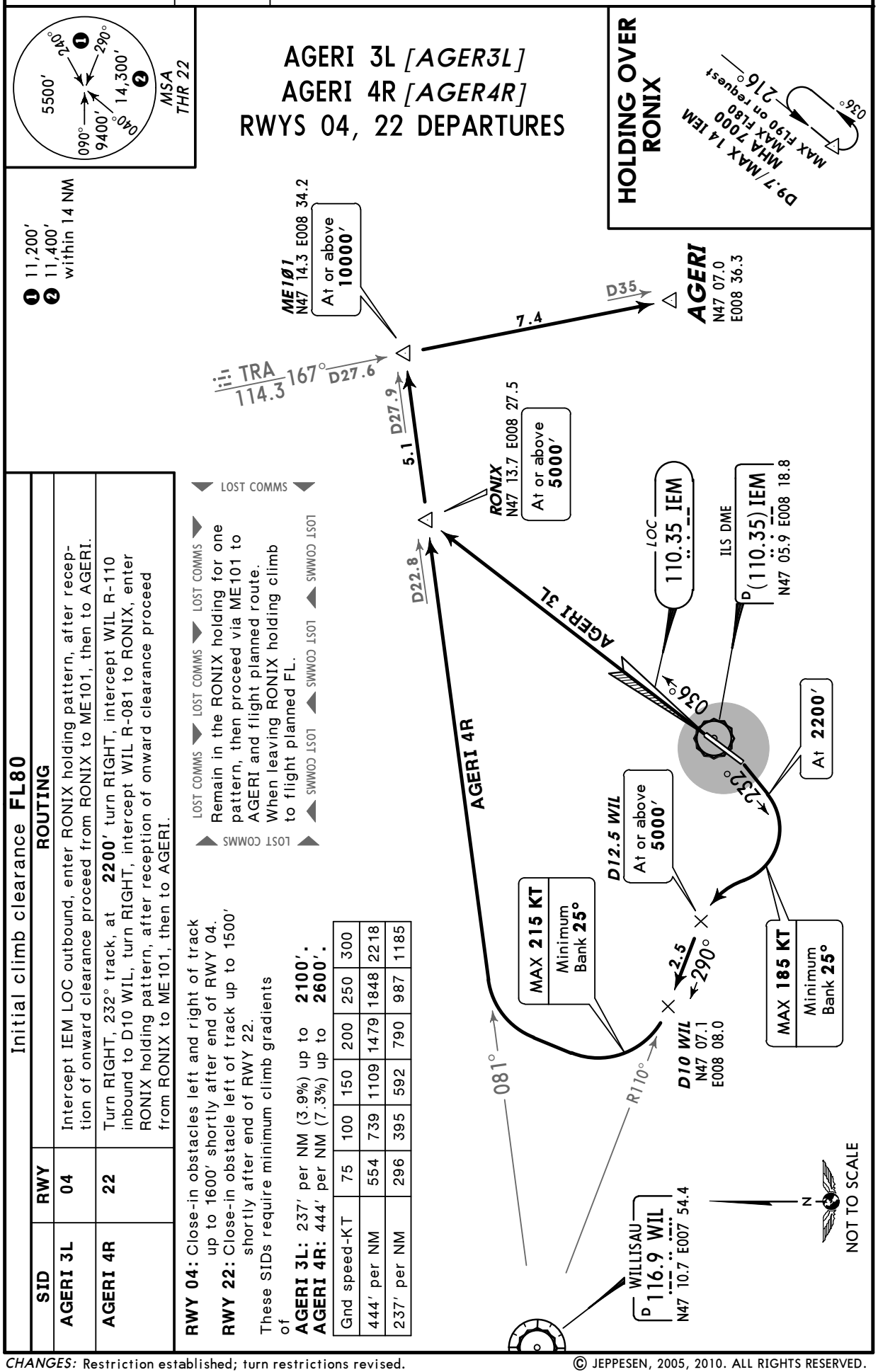
JEPPESEN 1 OCT 10 10-3

EMMEN, SWITZERLAND
SID

*EMMEN Departure	Apt Elev
119.5	1398′

Trans level: By ATC Trans alt: 7000′
1. PPR: Military procedures with permission only during mil ops hours.
2. AGERI 4R: Turns before DER not permitted.

AGERI 3L [AGER3L]
AGERI 4R [AGER4R]
RWYS 04, 22 DEPARTURES



Initial climb clearance **FL80**

SID	RWY	ROUTING
AGERI 3L	04	Intercept IEM LOC outbound, enter RONIX holding pattern, after reception of onward clearance proceed from RONIX to ME101, then to AGERI.
AGERI 4R	22	Turn RIGHT, 232° track, at **2200′** turn RIGHT, intercept WIL R-110 inbound to D10 WIL, turn RIGHT, intercept WIL R-081 to RONIX, enter RONIX holding pattern, after reception of onward clearance proceed from RONIX to ME101, then to AGERI.

RWY 04: Close-in obstacles left and right of track up to 1600′ shortly after end of RWY 04.
RWY 22: Close-in obstacle left of track up to 1500′ shortly after end of RWY 22.
These SIDs require minimum climb gradients of
AGERI 3L: 237′ per NM (3.9%) up to **2100′.**
AGERI 4R: 444′ per NM (7.3%) up to **2600′.**

Gnd speed-KT	75	100	150	200	250	300
444′ per NM	554	739	1109	1479	1848	2218
237′ per NM	296	395	592	790	987	1185

CHANGES: Restriction established; turn restrictions revised.

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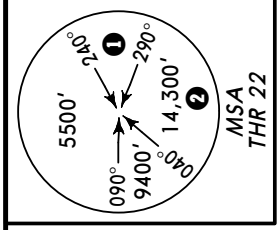
LSME/EML
EMMEN

JEPPESEN
1 OCT 10 10-3A

EMMEN, SWITZERLAND
SID

*EMMEN Departure	Apt Elev	
119.5	1398′	Trans level: By ATC Trans alt: 7000′ 1. PPR: Military procedures with permission only during mil ops hours. 2. Turns before DER not permitted.



❶ 11,200′
❷ 11,400′
within 14 NM

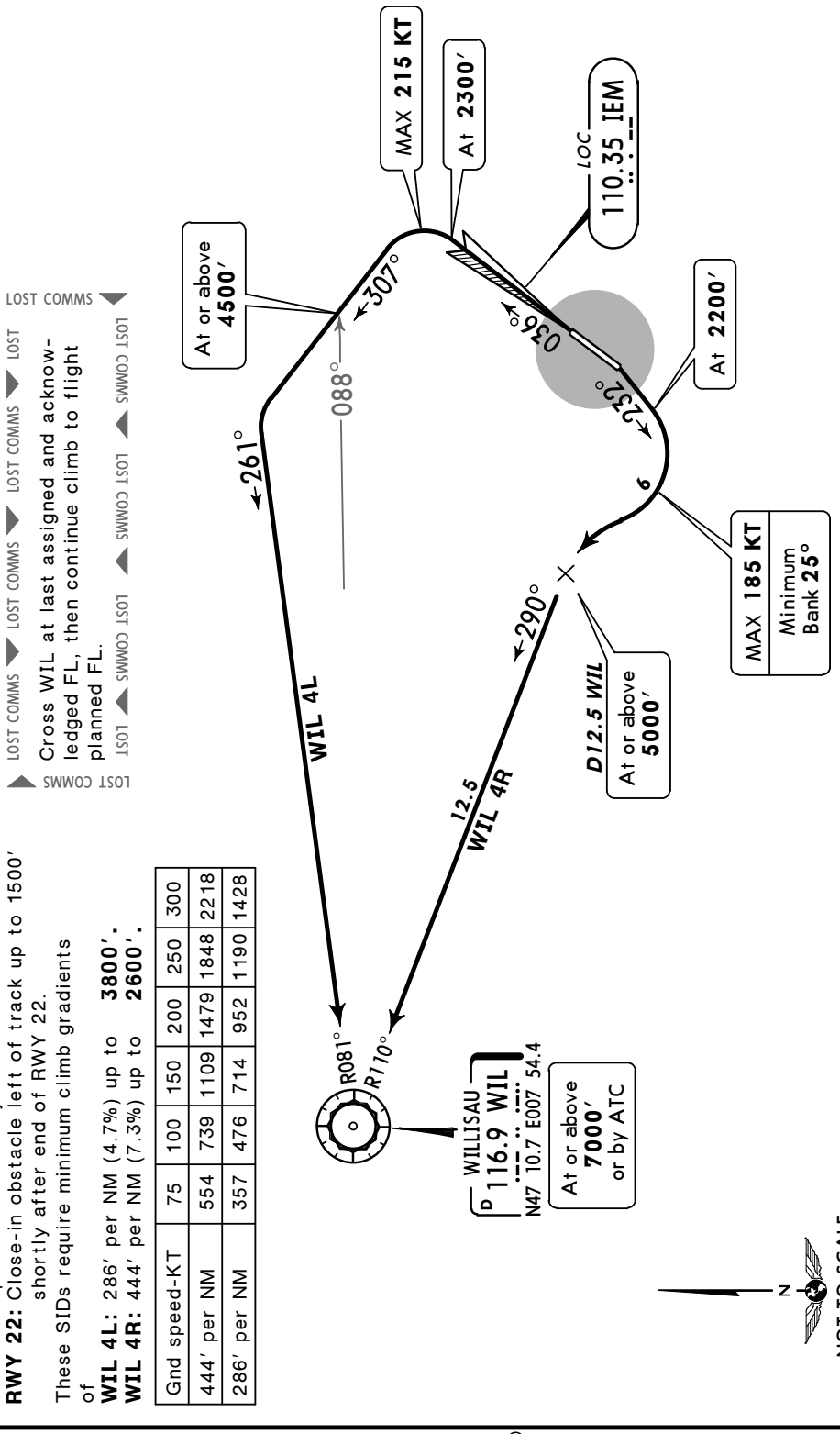
WIL 4L, WIL 4R
RWYS 04, 22 DEPARTURES

Initial climb clearance **FL80**

SID	RWY	ROUTING
WIL 4L	04	Intercept IEM LOC outbound, at **2300′** turn LEFT, 307° track, intercept WIL R-081 inbound to WIL.
WIL 4R	22	Turn RIGHT, 232° track, at **2200′** turn RIGHT, intercept WIL R-110 inbound to WIL.

RWY 04: Close-in obstacles left and right of track up to 1600′ shortly after end of RWY 04.
RWY 22: Close-in obstacle left of track up to 1500′ shortly after end of RWY 22.
These SIDs require minimum climb gradients of
WIL 4L: 286′ per NM (4.7%) up to **3800′.**
WIL 4R: 444′ per NM (7.3%) up to **2600′.**

Gnd speed-KT	75	100	150	200	250	300
444′ per NM	554	739	1109	1479	1848	2218
286′ per NM	357	476	714	952	1190	1428



CHANGES: Restriction established; turn restriction revised.

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LSME/EML

Apt Elev **1398'**
N47 05.4 E008 18.2

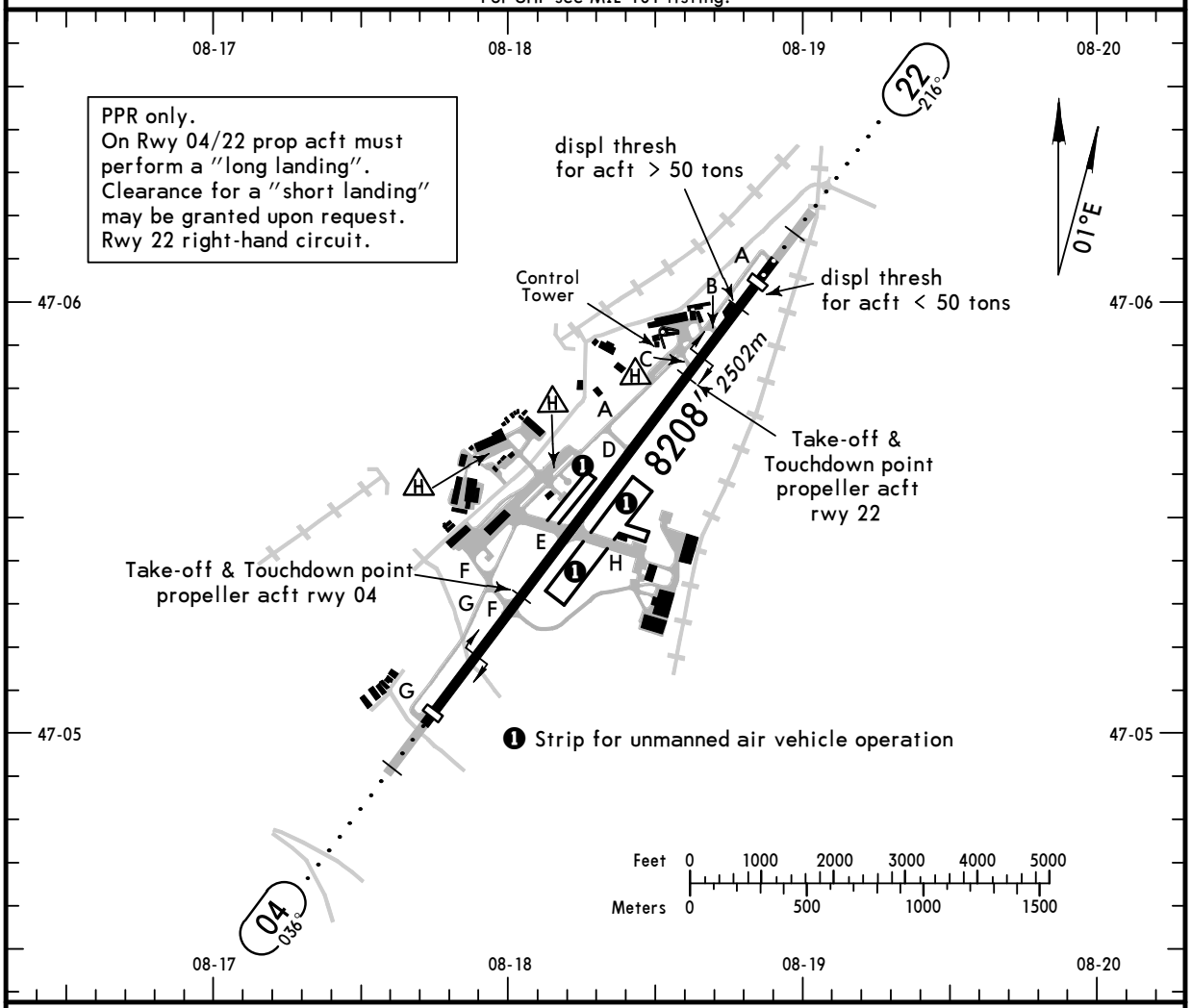
JEPPESEN
1 OCT 10 **10-9**

EMMEN, SWITZERLAND

EMMEN

*EMMEN Tower	*EMMEN Departure
120.42	119.5

For UHF see MIL-101 listing.



ADDITIONAL RUNWAY INFORMATION

RWY				USABLE LENGTHS LANDING BEYOND Threshold	Glide Slope	TAKE-OFF	WIDTH
04	RL	ALS	PAPI-L (angle 4.5°)	8005' *2440m*			131' *40m*
22	RL	ALS	PAPI-L (angle 4.0°)	7800' *2377m*	6900' *2103m*		

CAUTION: Crash-barrier at each end of rwy.

Standard TAKE-OFF **1**

	LVP must be in force RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A	*250m*	*400m*	*500m*
B			
C			
D	*300m*		

1 Operators applying U.S. Ops Specs: CL required below 300m.

CHANGES: Minimums.

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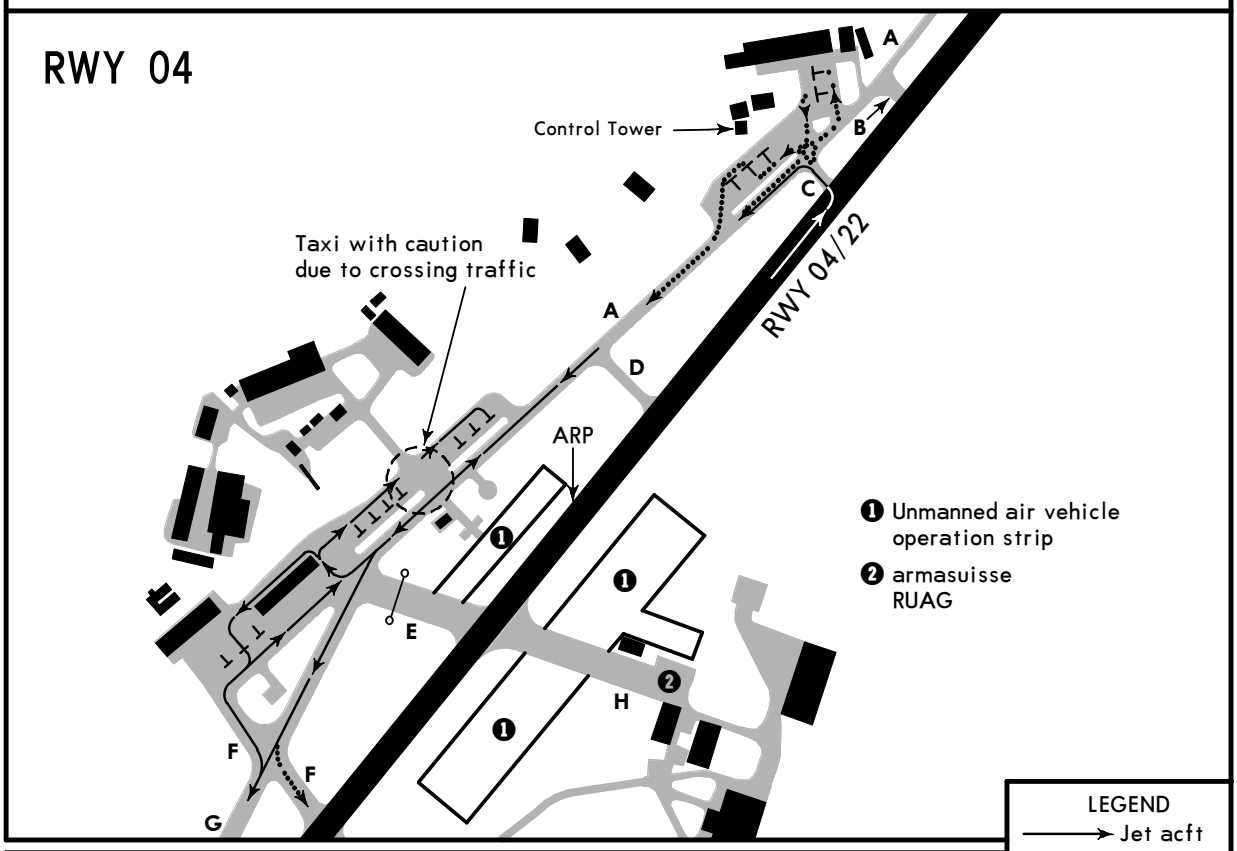
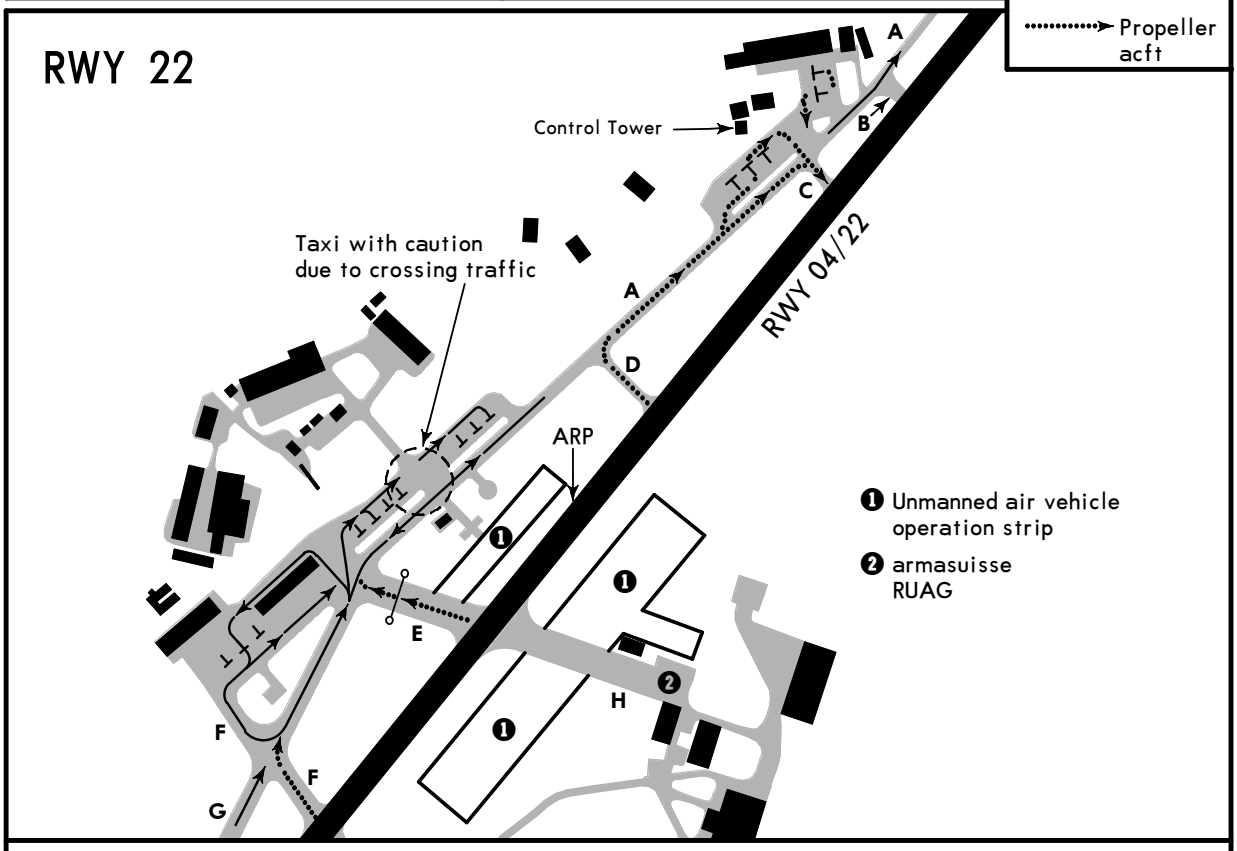
TAXIING PROCEDURES





LEGEND
Jet acft
Propeller acft

CHANGES: None.

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LSME/EML
EMMEN

JEPPESEN 1 OCT 10 (11-1)

EMMEN, SWITZERLAND
❶ ILS Z or LOC Z Rwy 22

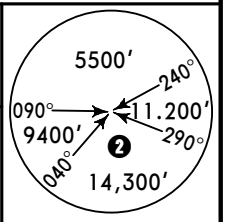
BRIEFING STRIP ™

*EMMEN Arrival	*EMMEN Tower
119.5	120.42

For UHF see MIL-101 listing.

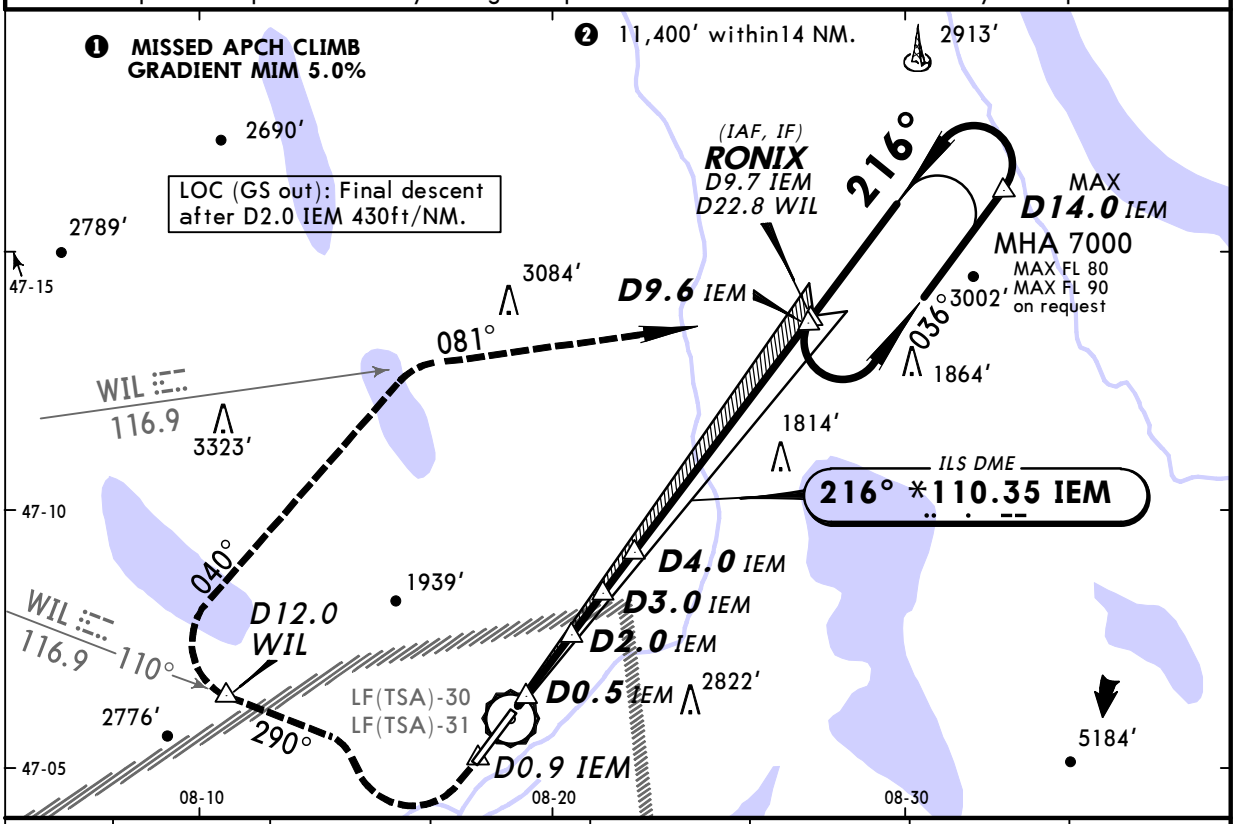
LOC IEM	Final Apch Crs	GS D3.0 IEM	ILS DA(H)	Apt Elev 1398′
*110.35	216°	2720′ (1330′)	Refer to Minimums	RWY 1390′

MISSED APCH: Climb STRAIGHT AHEAD. At 2000′ but not before D0.9 IEM past the station turn RIGHT (MAX 210 KT, MIM BANK 25°) to intercept R-110 inbound WIL VOR. Climb to 6000′. Cross D12.0 WIL at or above 4500′. At D12.0 WIL turn RIGHT (MAX 210 KT) onto 040° to intercept R-081 WIL and proceed to RONIX.

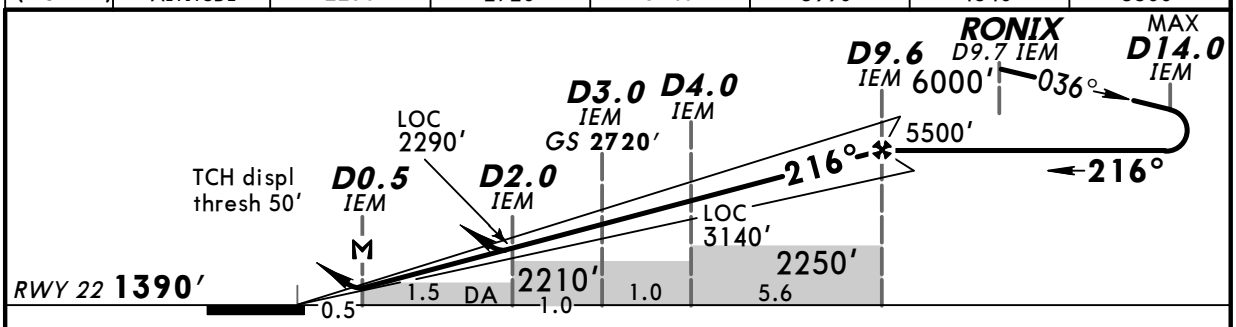


MSA DISPL THR 22

Alt Set: hPa Rwy Elev: 50 hPa Trans level: By ATC Trans alt: 7000′
1. PPR: Mil proc with permission only during mil ops hours. 2. ILS DME reads zero at rwy 22 displ thr.



LOC (GS out)	IEM DME	2.0	3.0	4.0	6.0	8.0	9.6
	ALTITUDE	2290′	2720′	3140′	3990′	4840′	5500′



Gnd speed-Kts	70	90	100	120	140	160
ILS GS or LOC Descent angle 4.00°	501	644	716	859	1002	1145
MAP at D0.5 IEM						

ALS PAPI

Refer to Missed Apch above

Standard STRAIGHT-IN LANDING RWY 22

ILS Missed apch climb gradient mim 5.0% up to 2900′

DA(H) A: 1696′ (306′) C: 1727′ (337′) B: 1712′ (322′) D: 1742′ (352′)

LOC (GS out) DA(H) 1840′ (450′)

	FULL/Limited	ALS out		ALS out
A	RVR 1200m	RVR 1400m	RVR 1500m	
B	RVR 1300m	RVR 1500m		
C			RVR 1900m	CMV 2100m
D	RVR 1400m	RVR 1600m		

CIRCLE-TO-LAND
Not authorized Southeast of apt

Max Kts	MDA(H)	VIS
100	2420′ (1022′)	1500m
135	2420′ (1022′)	1600m
180	3430′ (2032′)	2400m
205	4390′ (2992′)	3600m

CHANGES: IATA code. Note. Minimums.

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LSME/EML
EMMEN

JEPPESEN
1 OCT 10 11-2

EMMEN, SWITZERLAND
ILS Y or LOC Y Rwy 22

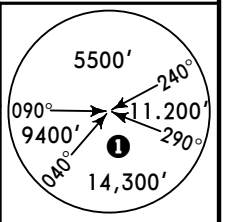
BRIEFING STRIP™

*EMMEN Arrival	*EMMEN Tower
119.5	120.42

For UHF see MIL-101 listing.

LOC IEM	Final Apch Crs	GS D3.0 IEM	ILS DA(H)	Apt Elev 1398′
*110.35	216°	2720′ (1330′)	Refer to Minimums	RWY 1390′

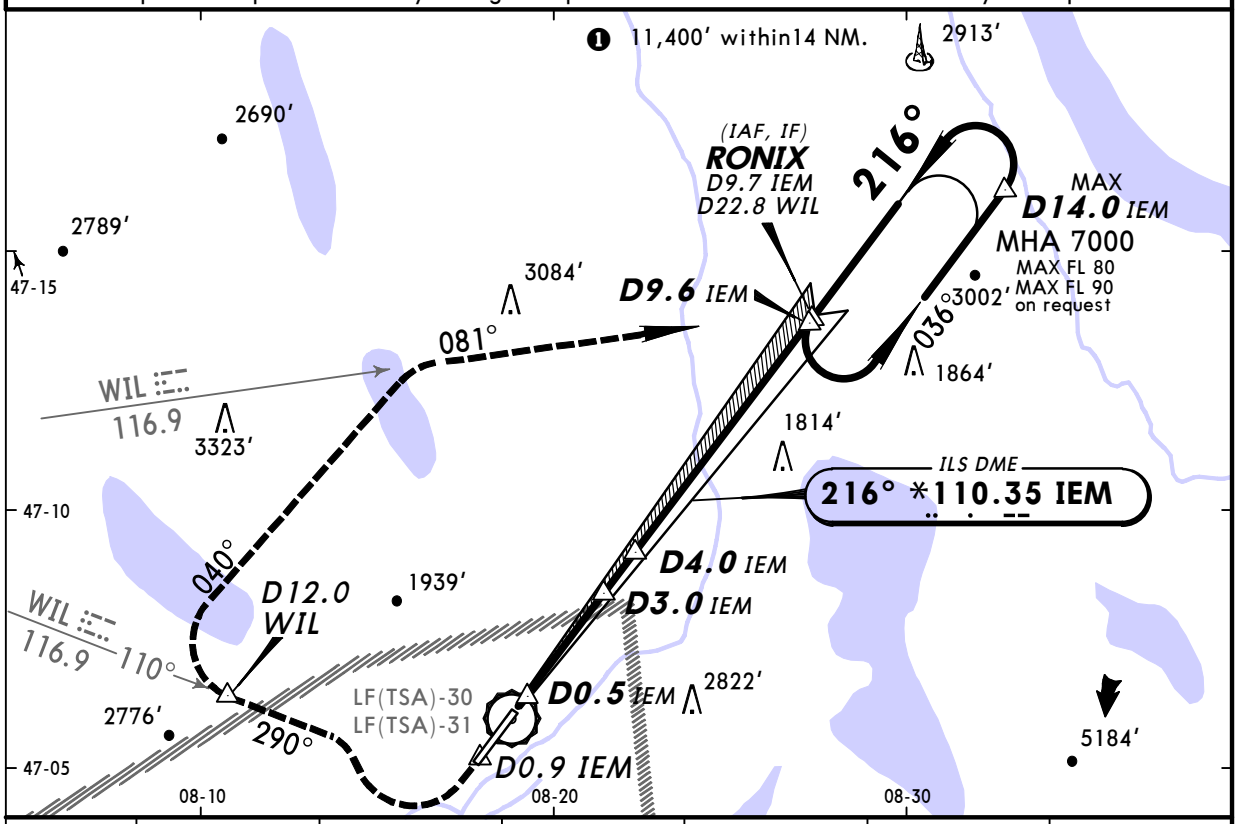
MISSED APCH: Climb STRAIGHT AHEAD. At 2000′ but not before D0.9 IEM past the station turn RIGHT (MAX 210 KT, MIM BANK 25°) to intercept R-110 inbound WIL VOR. Climb to 6000′. Cross D12.0 WIL at or above 4500′. At D12.0 WIL turn RIGHT (MAX 210 KT) onto 040° to intercept R-081 WIL and proceed to RONIX.



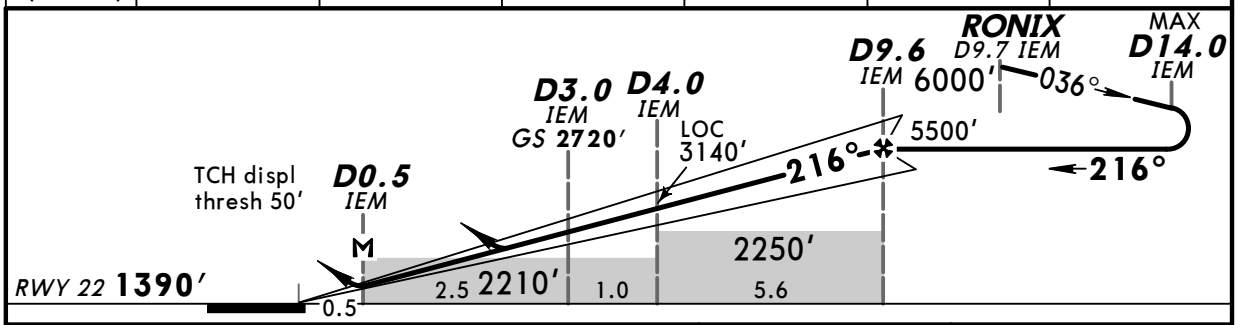
MSA DISPL THR 22

Alt Set: hPa Rwy Elev: 50 hPa Trans level: By ATC Trans alt: 7000′

1. PPR: Mil proc with permission only during mil ops hours. 2. ILS DME reads zero at rwy 22 displ thr.



LOC (GS out)	IEM DME	3.0	4.0	6.0	8.0	9.6
	ALTITUDE	2720′	3140′	3990′	4840′	5500′



Gnd speed-Kts	70	90	100	120	140	160
ILS GS or LOC Descent angle 4.00°	501	644	716	859	1002	1145
MAP at D0.5 IEM						

ALS
PAPI

Refer to Missed Apch above

Standard STRAIGHT-IN LANDING RWY 22

DA(H) ILS		LOC (GS out) DA(H) 2420′ (1030′)	
A: 2231′ (841′)	C: 2263′ (873′)		
B: 2248′ (858′)	D: 2278′ (888′)		
FULL/Limited	ALS out		ALS out
A	RVR 1500m	RVR 1500m	
B			
C	CMV 2400m	CMV 4600m	CMV 4900m
D			

CIRCLE-TO-LAND

Not authorized Southeast of apt

Max Kts.	MDA(H)	VIS
100	[1] 2420′ (1022′)	1500m
135	[1] 2420′ (1022′)	1600m
180	3430′ (2032′)	2400m [2]
205	4390′ (2992′)	3600m [2]

[1] After LOC (GS out): MDA(H) 2430′ (1032′). [2] After LOC (GS out): VIS 4900m.

CHANGES: IATA code. Note. Minimums.

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