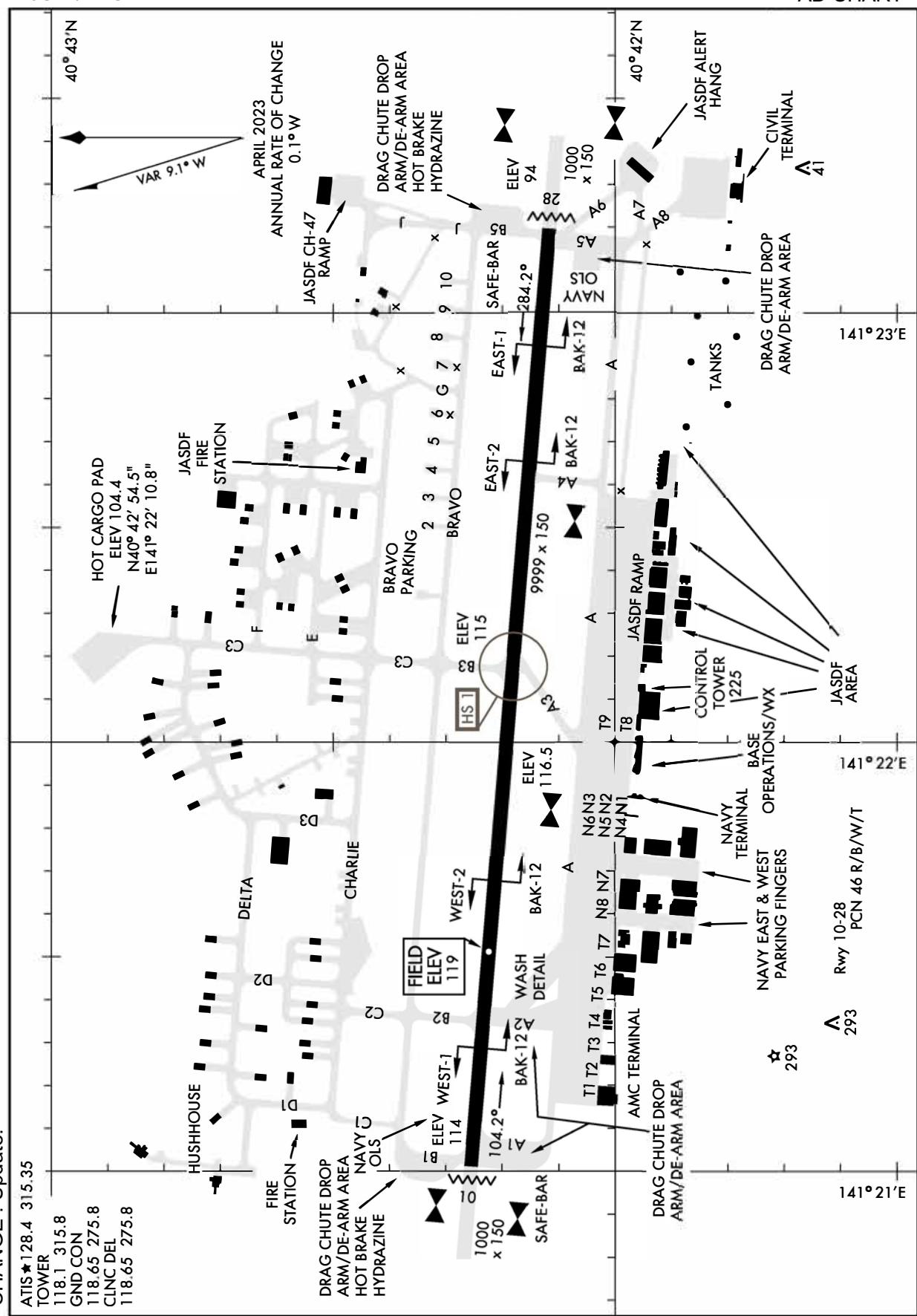


RJSM / MISAWA

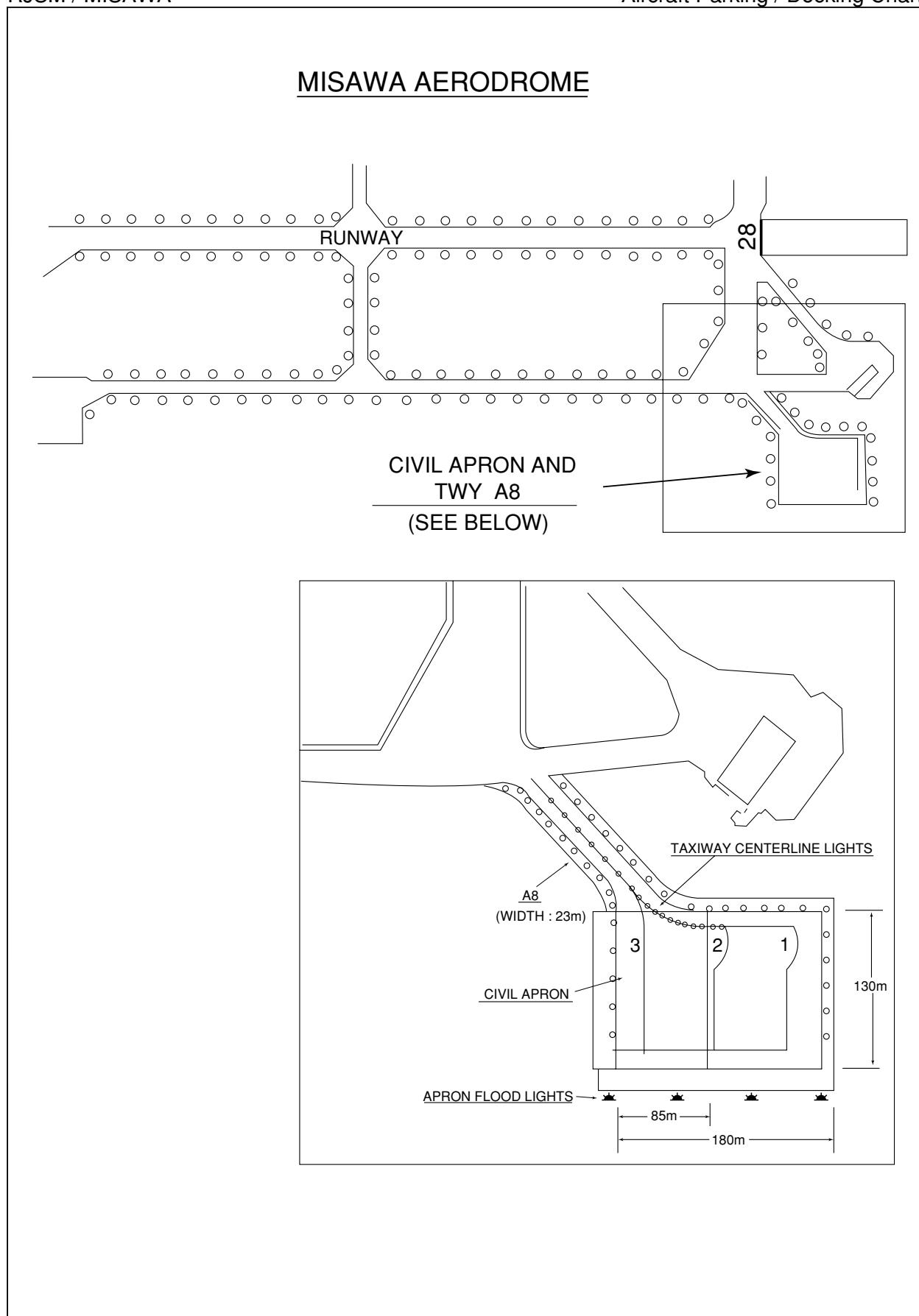
AD CHART



NOTE: REPRINTING DOD FLIP

RJSM / MISAWA

Aircraft Parking / Docking Chart



STANDARD DEPARTURE CHART - INSTRUMENT

RJSM / MISAWA

ATIS ★ 128.4 315.35
CLNC DEL
118.65 275.8
TOWER
118.1 315.8
DEP CON
125.3 363.8

Rwy	Knots	60	120	180	240	300	360
10	V/V(fpm)	350	700	1050	1400	1750	2100

ATC Climb Rate to 3500

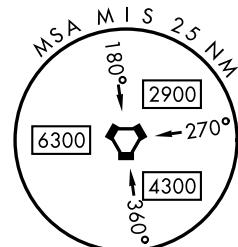
ENKAI
3
3500

10

R-105

MISAWA
115.4 MIS Chan 101

• 3802



DEPARTURE ROUTE DESCRIPTION

TAKEOF RWY 10: Climb on MIS VORTAC R-105 to ENKAI.
Cross ENKAI at or above 3500.

CHANGE : Update.

NOTE: REPRINTING DOD FLIP

STANDARD DEPARTURE CHART - INSTRUMENT

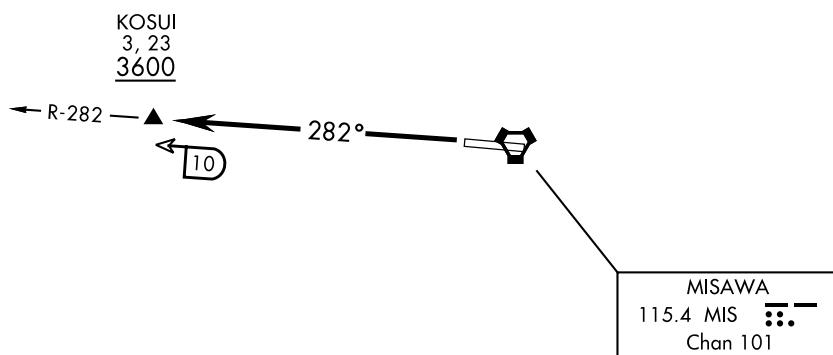
RJSM / MISAWA

ATIS ★128.4 315.35
 CLNC DEL
 118.65 275.8
 TOWER
 118.1 315.8
 DEP CON
 125.3 363.8

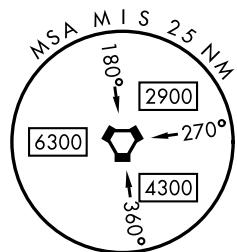
KOSUI THREE DEPARTURE

Rwy	Knots	60	120	180	240	300	360
28	V/V(fpm)	406	812	1218	1624	2030	2436

ATC Climb Rate to 3600



3734



DEPARTURE ROUTE DESCRIPTION

TAKEOF RWY 28: Climb on MIS VORTAC R-282 to KOSUI.
 Cross KOSUI at or above 3600.

CHANGE : Update.

NOTE: REPRINTING DOD FLIP

STANDARD DEPARTURE CHART - INSTRUMENT

RJSM / MISAWA

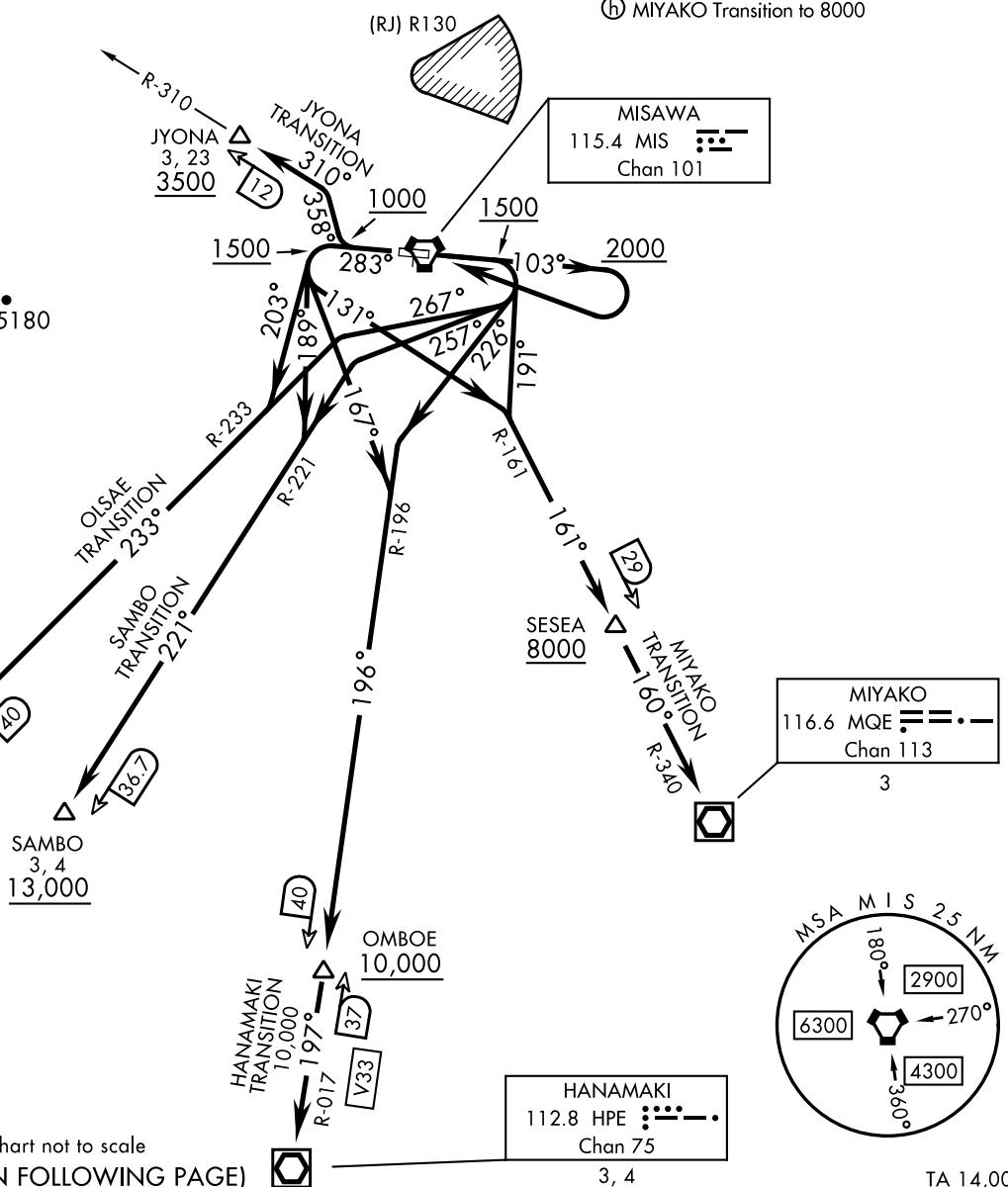
ATIS ★128.4 315.35
CLNC DEL
118.65 275.8
TOWER
118.1 315.8
DEP CON
125.3 363.8

Rwy	Knots	60	120	180	240	300	360
*28 (a)	V/V(fpm)	215	430	645	860	1075	1290
*28 (b)	V/V(fpm)	251	502	753	1004	1255	1506
t28 (d)	V/V(fpm)	221	442	663	884	1105	1326
t28 (e)	V/V(fpm)	313	626	939	1252	1565	1878
t10 (f)	V/V(fpm)	299	598	897	1196	1495	1794
t28 (f)	V/V(fpm)	336	672	1008	1344	1680	2016
t10 (g)	V/V(fpm)	218	436	654	872	1090	1308
t28 (g)	V/V(fpm)	218	436	645	872	1090	1308
t10 (h)	V/V(fpm)	256	512	768	1024	1280	1536
t28 (h)	V/V(fpm)	220	440	660	880	1100	1320

* Minimum Climb Rate † ATC Climb Rate

- (a) OLSAE Transition to 5000
- (b) JYONA Transition to 600
- (c) SAMBO Transition to 4900
- (d) OLSAE Transition to 9000
- (e) JYONA Transition to 3500
- (f) SAMBO Transition to 13,000
- (g) HANAMAKI Transition to 10,000
- (h) MIYAKO Transition to 8000

JYONA TRANSITION TAKEOFF RWY 10 is limited to 270 KIAS until established on the MIS R-310.



STANDARD DEPARTURE CHART - INSTRUMENT

RJSM / MISAWA

MISAWA SEVEN DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 10: Climb heading 103° to 1500 (2000 for JYONA TRANSITION), thence

TAKEOFF RWY 28: Climb heading 283° to 1500 (1000 for JYONA TRANSITION), thence

HANAMAKI TRANSITION:

TAKEOFF RWY 10: ...turn right heading 226° to intercept MIS VORTAC R-196 (HPE VOR/DME R-017) to HANAMAKI VOR/DME. Cross OMBOE at or above 10,000. Maintain ATC assigned altitude.

TAKEOFF RWY 28: ...turn left heading 167° to intercept MIS VORTAC R-196 (HPE VOR/DME R-017) to HANAMAKI VOR/DME. Cross OMBOE at or above 10,000. Maintain ATC assigned altitude.

JYONA TRANSITION:

TAKEOFF RWY 10: ...turn right, climb via MIS VORTAC to intercept MIS R-310 direct JYONA. Cross JYONA at or above 3500. Maintain ATC assigned altitude.

TAKEOFF RWY 28: ...turn right heading 358° to intercept MIS VORTAC R-310 to JYONA. Cross JYONA at or above 3500. Maintain ATC assigned altitude.

MIYAKO TRANSITION:

TAKEOFF RWY 10: ...turn right heading 191° to intercept MIS VORTAC R-161 (MQE VOR/DME R-340) to MIYAKO VOR/DME. Cross SESEA at or above 8000. Maintain ATC assigned altitude.

TAKEOFF RWY 28: ...turn left heading 131° to intercept MIS VORTAC R-161 (MQE VOR/DME R-340) to MIYAKO VOR/DME. Cross SESEA at or above 8000. Maintain ATC assigned altitude.

OLSAE TRANSITION:

TAKEOFF RWY 10: ...turn right heading 267° to intercept MIS VORTAC R-233 to OLSAE (MIS R-233/40 DME). Cross OLSAE at or above 9000. Maintain ATC assigned altitude.

TAKEOFF RWY 28: ...turn left heading 203° to intercept MIS VORTAC R-233 to OLSAE (MIS R-233/40 DME). Cross OLSAE at or above 9000. Maintain ATC assigned altitude.

SAMBO TRANSITION:

TAKEOFF RWY 10: ...turn right heading 257° to intercept MIS VORTAC R-221 to SAMBO (MIS R-221/36.7 DME). Cross SAMBO at or above 13,000. Maintain ATC assigned altitude.

TAKEOFF RWY 28: ...turn left heading 189° to intercept MIS VORTAC R-221 to SAMBO (MIS R-221/36.7 DME). Cross SAMBO at or above 13,000. Maintain ATC assigned altitude.

CHANGE : Update.

NOTE: REPRINTING DOD FLIP

STANDARD DEPARTURE CHART - INSTRUMENT

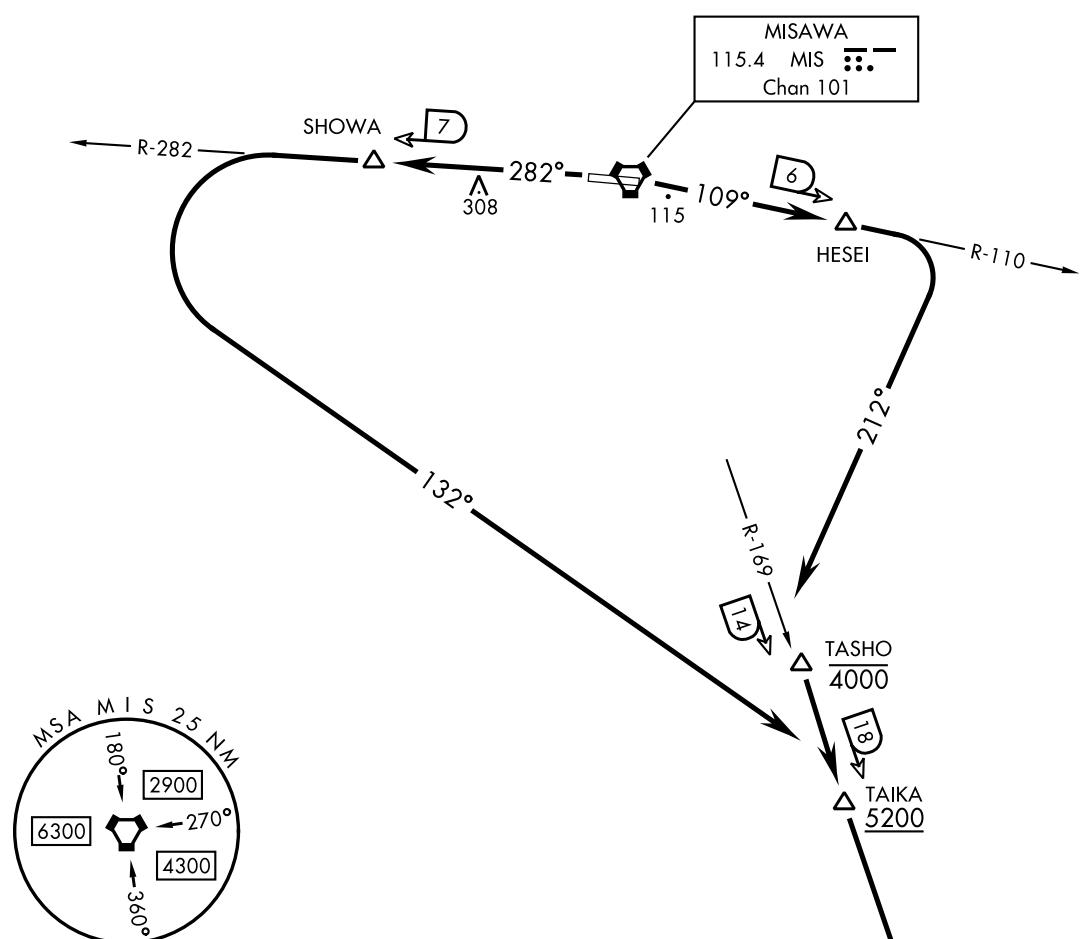
RJSM / MISAWA

ATIS ★ 128.4 315.35
CLNC DEL
118.65 275.8
TOWER
118.1 315.8
DEP CON
125.3 363.8

REIWA TWO DEPARTURE

Rwy	Knots	60	120	180	240	300	360
10	V/V(fpm)	289	578	867	1156	1445	1734
28	V/V(fpm)	249	498	747	996	1245	1494

ATC Climb Rate to 10,000



▼ DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 10: Climb heading 109° to HESEI, then turn right to intercept MIS VORTAC R-169 to cross TASHO (MIS R-169/14 DME) at or below 4000, then cross REIWA at or above 10,000. Maintain ATC assigned altitude.

TAKEOFF RWY 28: Climb heading 282° to SHOWA, then turn left to intercept MIS VORTAC R-169 to cross TAIKA (MIS R-169/18 DME) at or above 5200, then cross REIWA at or above 10,000. Maintain ATC assigned altitude.

CHANGE : Update.

NOTE: REPRINTING DOD FLIP

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INSTRUMENT APPROACH CHART

RJSM / MISAWA

LOC I-MIS 109.7	APCH CRS 283°	Rwy Idg 9999 TDZE 109 Arpt Elev 119
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RADAR or DME required

- ▼ * When ALS inop, increase RVR to 40 and vis to $\frac{3}{4}$ mile.
 ▼ ** When ALS inop, increase RVR to 55 and vis to 1 mile.
 *** Circling not authorized S of Rwy 10-28.

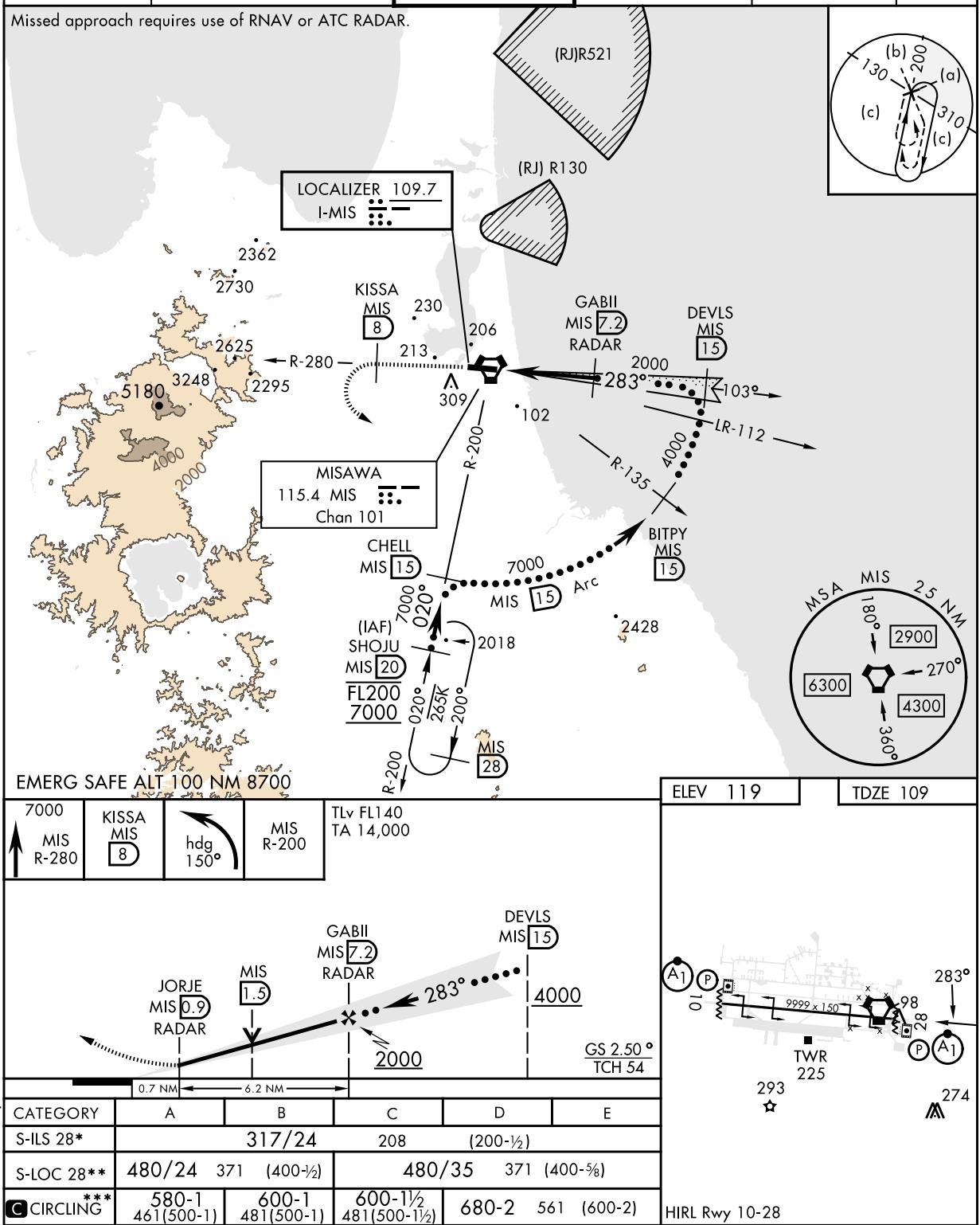


HI-ILS Y or LOC Y RWY28

MISSSED APPROACH: Climb on MIS VORTAC R-280 to KISSA, then climbing left turn heading 150° to 7000 to intercept MIS R-200 outbound to SHOJU and hold. Continue climb in holding to 7000.

ATIS ★ 128.4 315.35	APP CON 120.7 317.8	TOWER 118.1 315.8	GND CON 118.65 275.8	CLNC DEL 118.65 275.8	ASR/PAR
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Missed approach requires use of RNAV or ATC RADAR.



CHANGE : Update.

NOTE: REPRINTING DOD FLIP

INSTRUMENT APPROACH CHART

RJSM / MISAWA

LOC I-MIS <u>109.7</u>	APCH CRS <u>283°</u>	Rwy Idg TDZE Arpt Elev	9999 109 119
----------------------------------	--------------------------------	------------------------------	---

RADAR or DME required

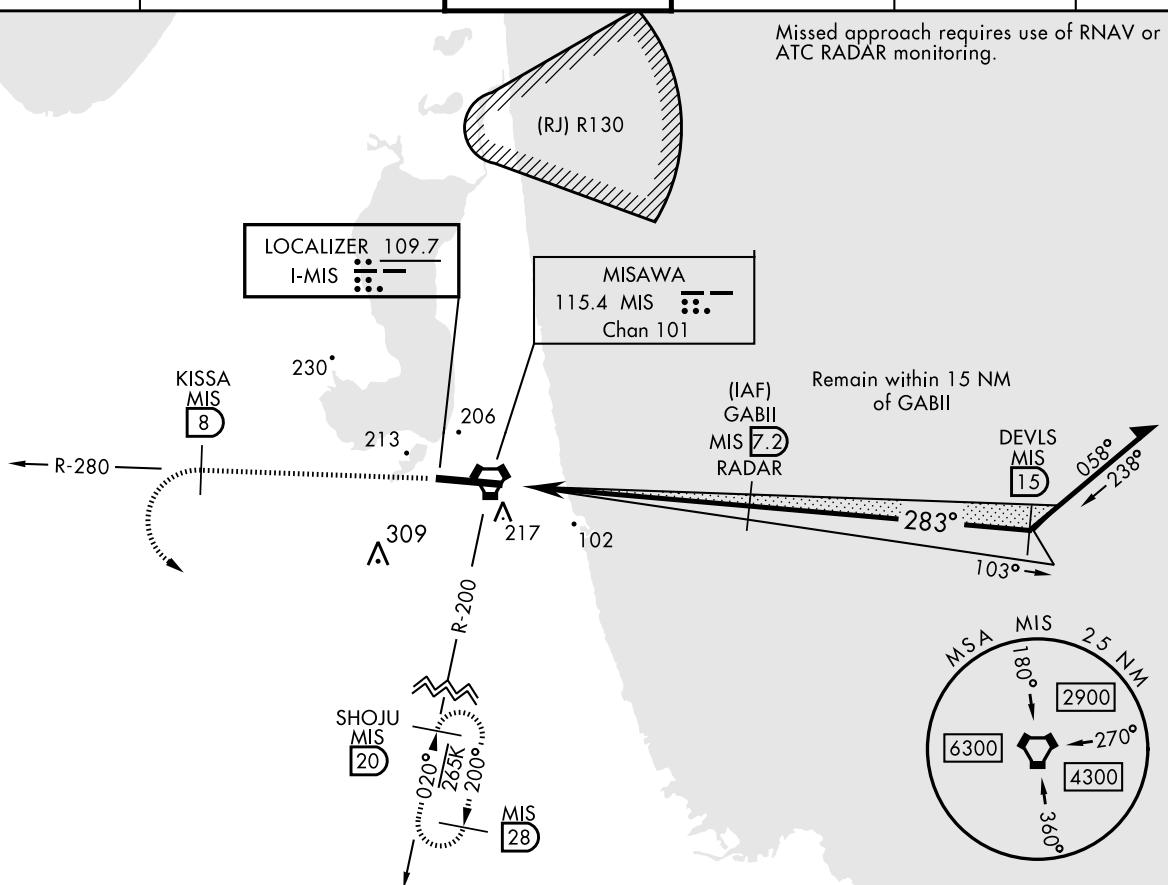
T * When ALS inop, increase RVR to 40, vis to $\frac{3}{4}$ mile.
** When ALS inop, increase RVR to 55, vis to 1 mile.
*** Circling not authorized S of Rwy 10-28.

ALSF-1
A1

MISSED APPROACH: Climb on MIS VORTAC R-280 to KISSA, then climbing left turn heading 150° to 7000 to intercept MIS R-200 outbound to SHOJU and hold. Continue climb in holding to 7000.

ATIS ★ 128.4 315.35	APP CON 120.7 317.8	TOWER 118.1 315.8	GND CON 118.65 275.8	CLNC DEL 118.65 275.8	ASR/PAR
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Missed approach requires use of RNAV or ATC RADAR monitoring.



EMERG SAFE ALT 100 NM 8700

7000 MIS R-280	KISSA MIS 8	 hdg 150°	MIS R-200
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TLv FL140
TA 14,000

GABII
MIS 7.2

The diagram illustrates the gene structure of TCR3. It features three exons labeled C, D, and E. Exon C is the largest and contains the NM start site, indicated by an arrow pointing to the first nucleotide. Exon D is a small intervening exon located between C and E. Exon E is the final coding exon.

4 208 (200-½)
480/35 371 (400-5/8)

	600-1½	680-2
	148(500-1½)	561 (600-2)

ELEV 119 TDZE 109

A detailed map of a bridge structure showing various components and dimensions. The map includes labels such as A1, P, 9999 x 150, 98, 28, 293, TWR 225, 283, and 274. A star symbol is located near the bottom left, and a triangle symbol is at the bottom right.

CHANGE : Update.

NOTE: REPRINTING DOD FLIP

INSTRUMENT APPROACH CHART

RJSM / MISAWA

VORTAC MIS 115.4 Chan 101	APCH CRS 290°	Rwy Idg 9999 TDZE 109 Arpt Elev 119
--	-------------------------	---

RADAR or DME required

- * When ALS inop, increase CAT AB RVR to 55 and vis to 1 mile, CAT CDE vis to 1 1/4 miles.
** Circling S of Rwy 10-28 not authorized.



MISSED APPROACH: Climb on MIS VORTAC R-280 to KISSA, then climbing left turn heading 150° to 7000 to intercept MIS R-200 outbound to SHOJU and hold. Continue climb in holding to 7000.

ATIS ★
128.4 315.35

APP CON
120.7 317.8

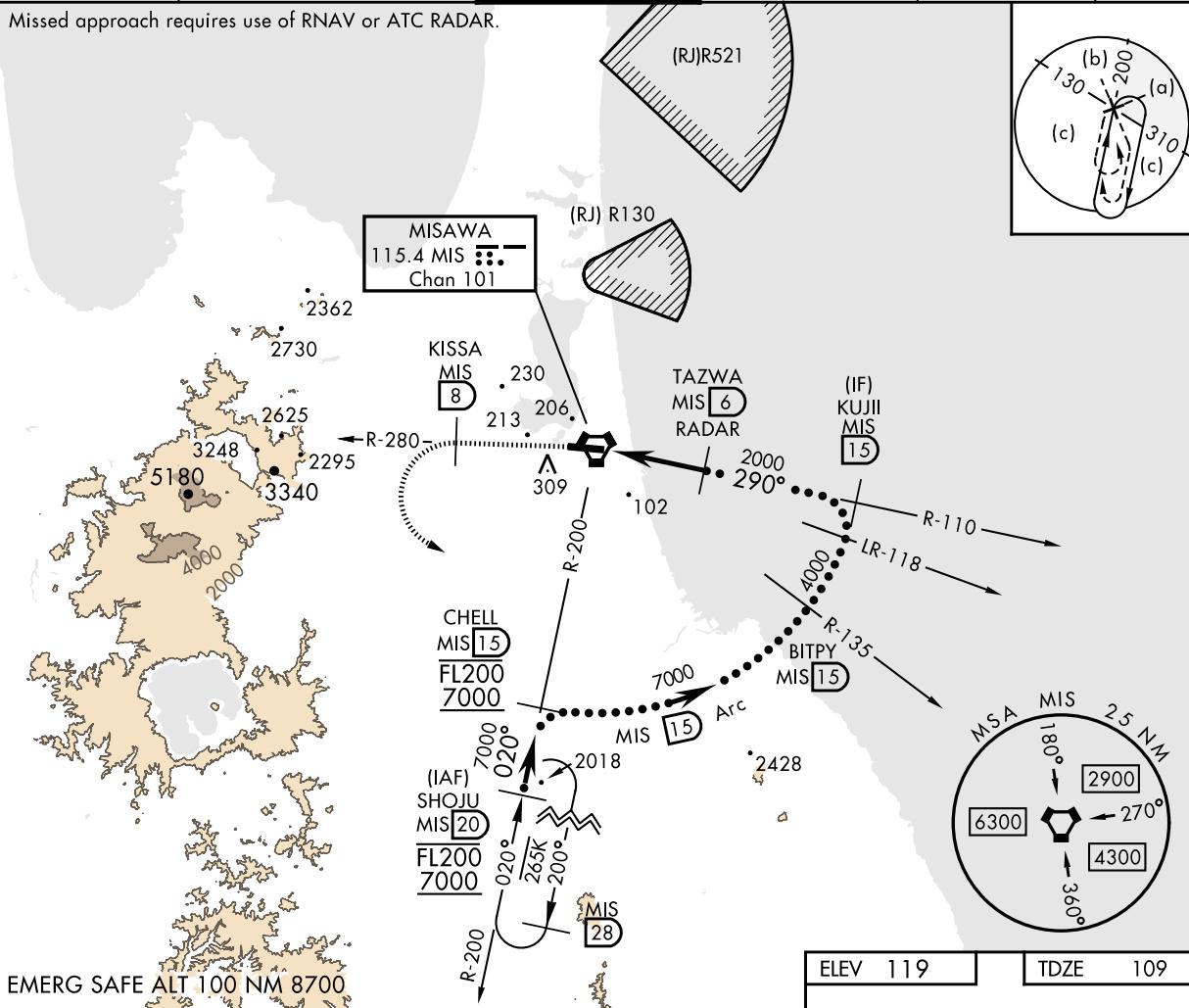
TOWER
118.1 315.8

GND CON
118.65 275.8

CLNC DEL
118.65 275.8

ASR/PAR

Missed approach requires use of RNAV or ATC RADAR.



7000	MIS R-280	KISSA MIS 8	hdg 150°	MIS R-200
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TLv FL140 TA 14,000

VGSI and descent angles not coincident
(VGSI Angle 2.50/TCH 55).

ELEV 119 TDZE 109

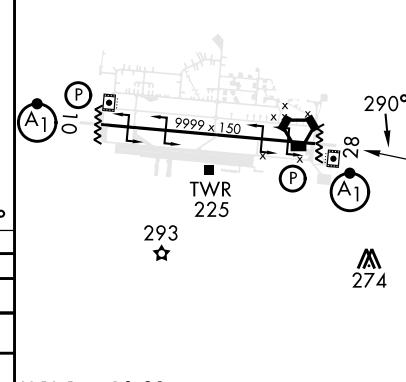
0.6 NM	5.1 NM
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VORTAC
VASUC 1.7
RADAR
TAZWA 6 RADAR
KUJII 15
290° 4000
2000 3.03°
TCH 55

CHANGE : Update.

CATEGORY	A	B	C	D	E
S-28 *	540/24	431 (500-½)	540/40	431 (500-¾)	
C CIRCLING **	580-1 461(500-1)	600-1 481(500-1)	600-1½ 481(500-1½)	680-2 561 (600-2)	

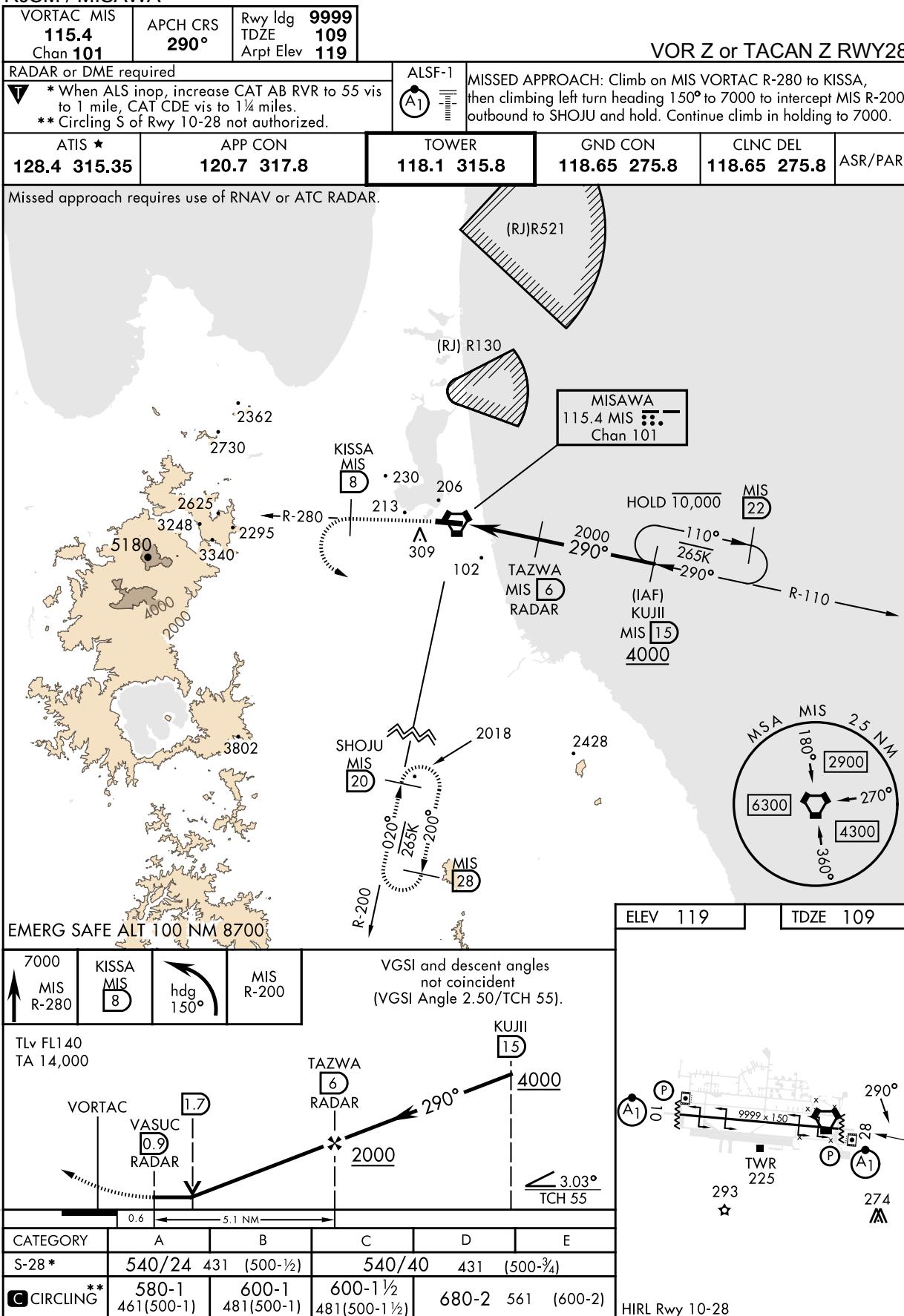
HIRL Rwy 10-28



NOTE: REPRINTING DOD FLIP

INSTRUMENT APPROACH CHART

RJSM / MISAWA



NOTE: REPRINTING DOD FLIP

INSTRUMENT APPROACH CHART

RJSM / MISAWA

LOC I-MAS 109.7	APCH CRS 103°	Rwy Idg 9999 TDZE 119 Arpt Elev 119
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RADAR or DME required

- ▼ * When ALS inop, increase RVR to 40, vis to $\frac{3}{4}$ mile.
** When ALS inop, increase CAT AB RVR to 55, vis to 1 mile; CAT CDE RVR to 60, vis to $1\frac{1}{8}$ miles.



MISSED APPROACH: Climb to 4000 on MIS VORTAC R-106 to STICK and hold. Continue climb-in-holding to 4000.

ATIS ★
128.4 315.35

APP CON
120.7 317.8

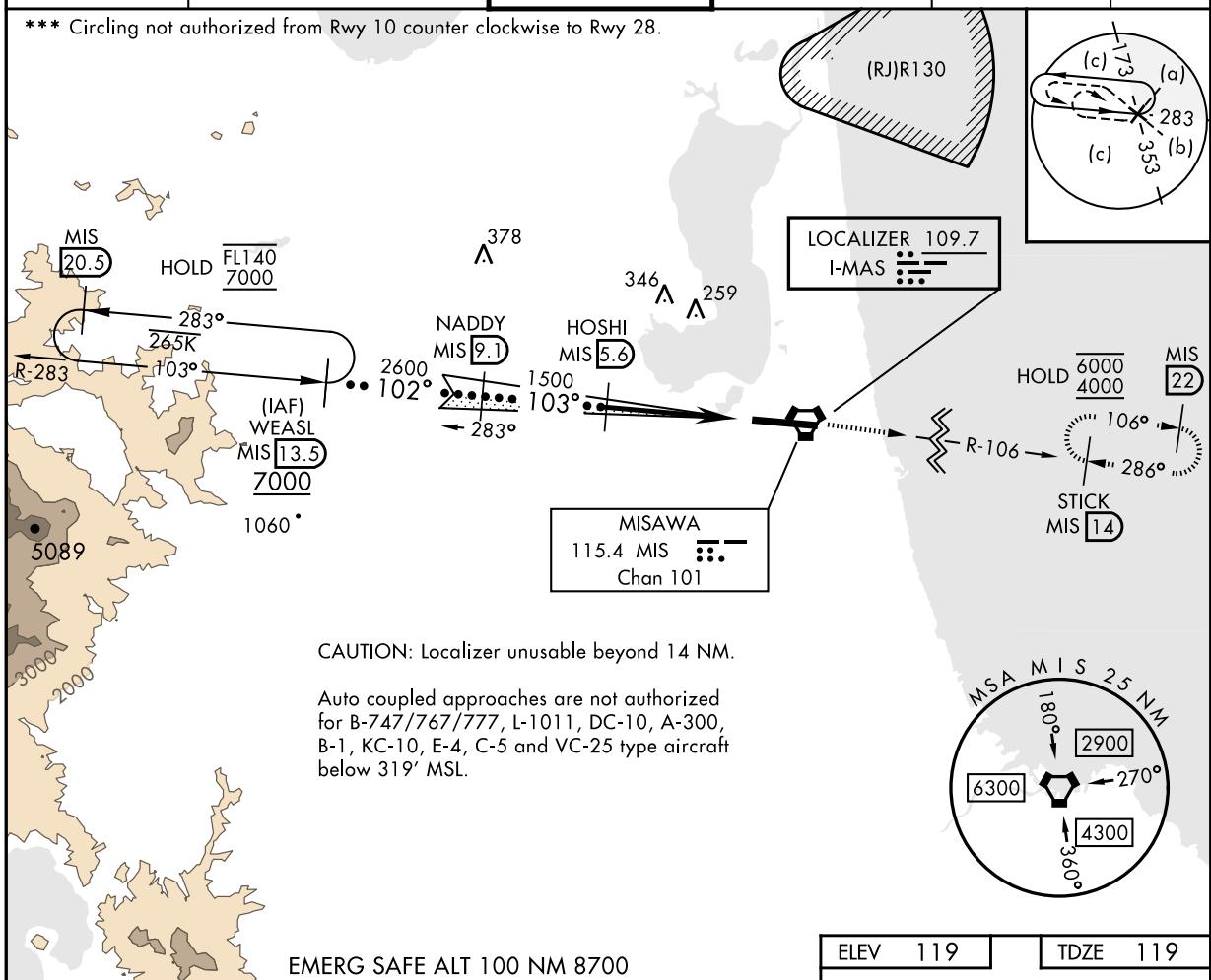
TOWER
118.1 315.8

GND CON
118.65 275.8

CLNC DEL
118.65 275.8

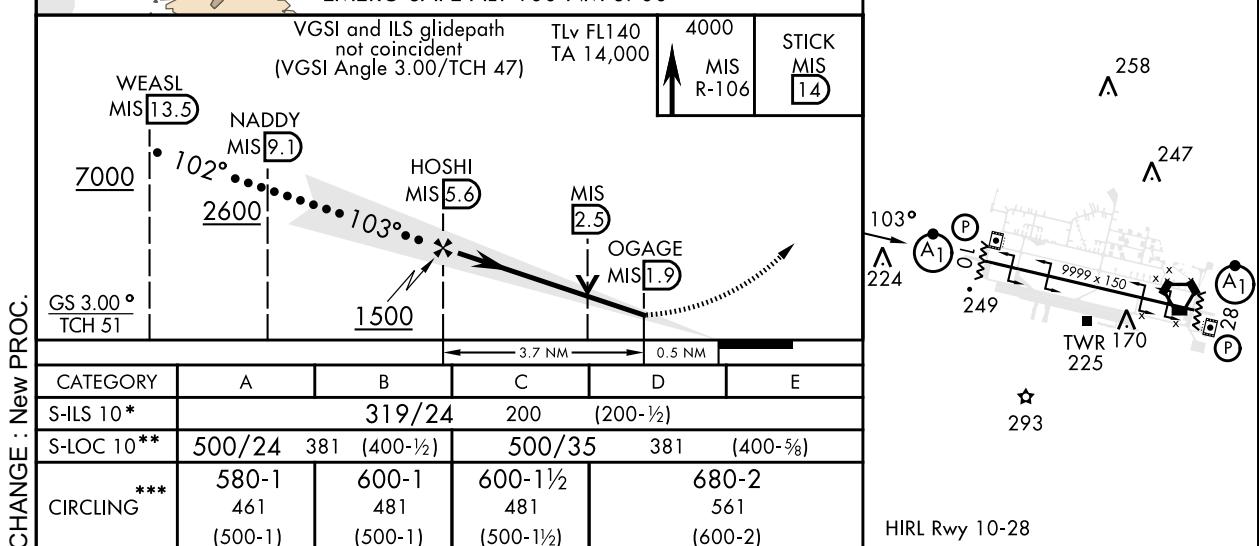
ASR/PAR

*** Circling not authorized from Rwy 10 counter clockwise to Rwy 28.



EMERG SAFE ALT 100 NM 8700

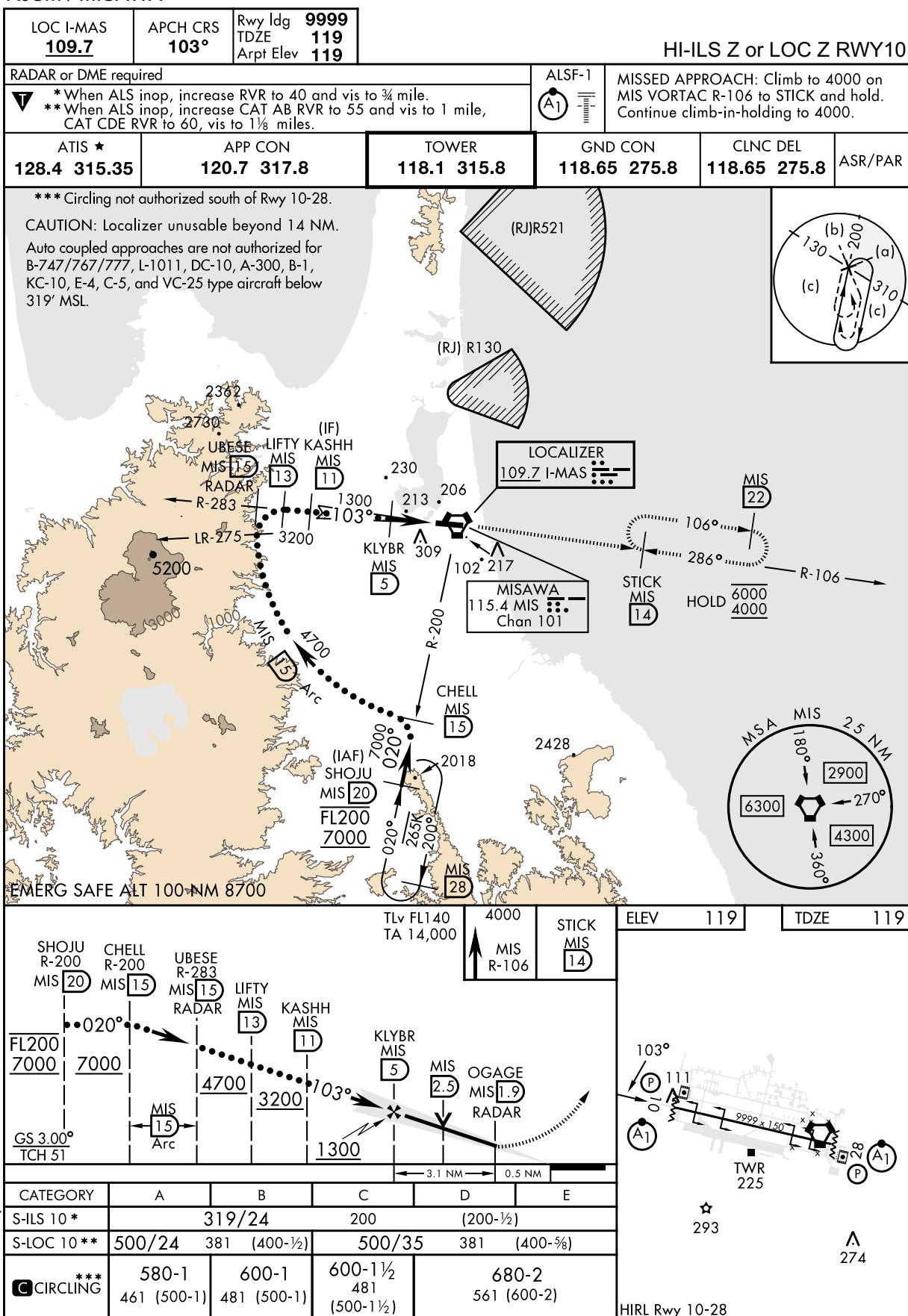
ELEV 119 TDZE 119



NOTE: REPRINTING DOD FLIP

INSTRUMENT APPROACH CHART

RJSM / MISAWA



NOTE: REPRINTING DOD FLIP

INSTRUMENT APPROACH CHART

RJSM / MISAWA

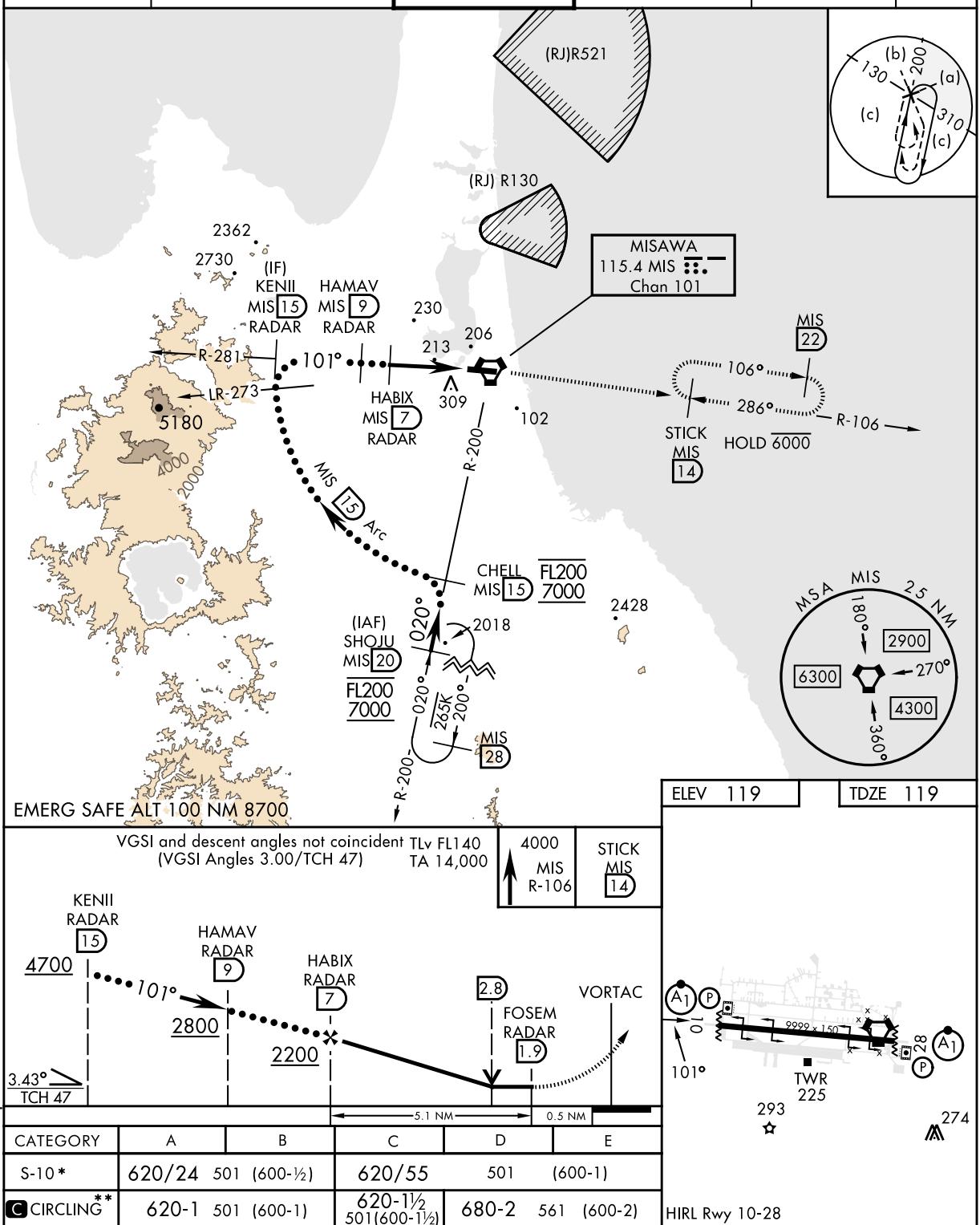
VORTAC MIS 115.4 Chan 101	APCH CRS 101°	Rwy Idg 9999 TDZE 119 Arpt Elev 119
--	-------------------------	--

RADAR or DME required

- * When ALS inop, increase RVR CAT AB to 55 and vis to 1 mile, CAT CDE vis to $1\frac{1}{8}$ miles.
** Circling S of Rwy 10-28 not authorized.

ALSF-1 (A1) MISSED APPROACH: Climb to 4000 on MIS VORTAC R-106 to STICK and hold. Continue climb in holding to 4000.

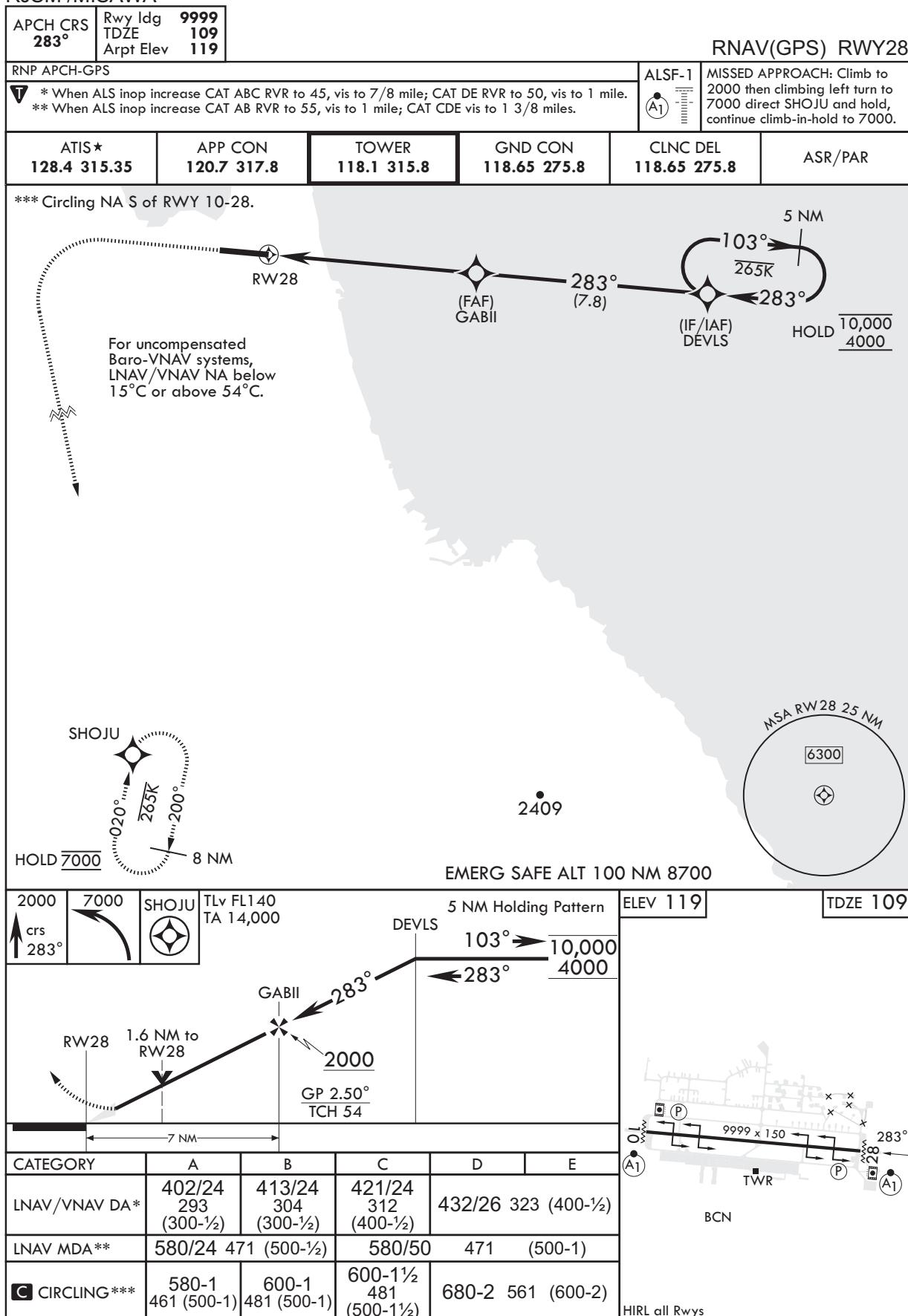
ATIS ★ 128.4 315.35	APP CON 120.7 317.8	TOWER 118.1 315.8	GND CON 118.65 275.8	CLNC DEL 118.65 275.8	ASR/PAR
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NOTE: REPRINTING DOD FLIP

INSTRUMENT APPROACH CHART

RJSM /MISAWA



NOTE: REPRINTING DOD FLIP

INSTRUMENT APPROACH CHART

RJSM / MISAWA

APCH CRS 103°	Rwy Idg 9999 TDZE 119 Arpt Elev 119
-------------------------	--

RNP APCH – GPS

▼ * When ALS inop increase CAT ABCD RVR to 45, vis to 7/8 mile; CAT E RVR to 55, vis to 1 mile.
** When ALS inop increase CAT AB RVR to 55, vis to 1 mile; CAT CDE vis to 1 3/8 miles.

ALSF-1



RNAV(GPS) RWY10

MISSED APPROACH: Climb to 1000 then climbing turn to 4000 direct STICK and hold, continue climb-in-hold to 4000.

ATIS★
128.4 315.35

APP CON
120.7 317.8

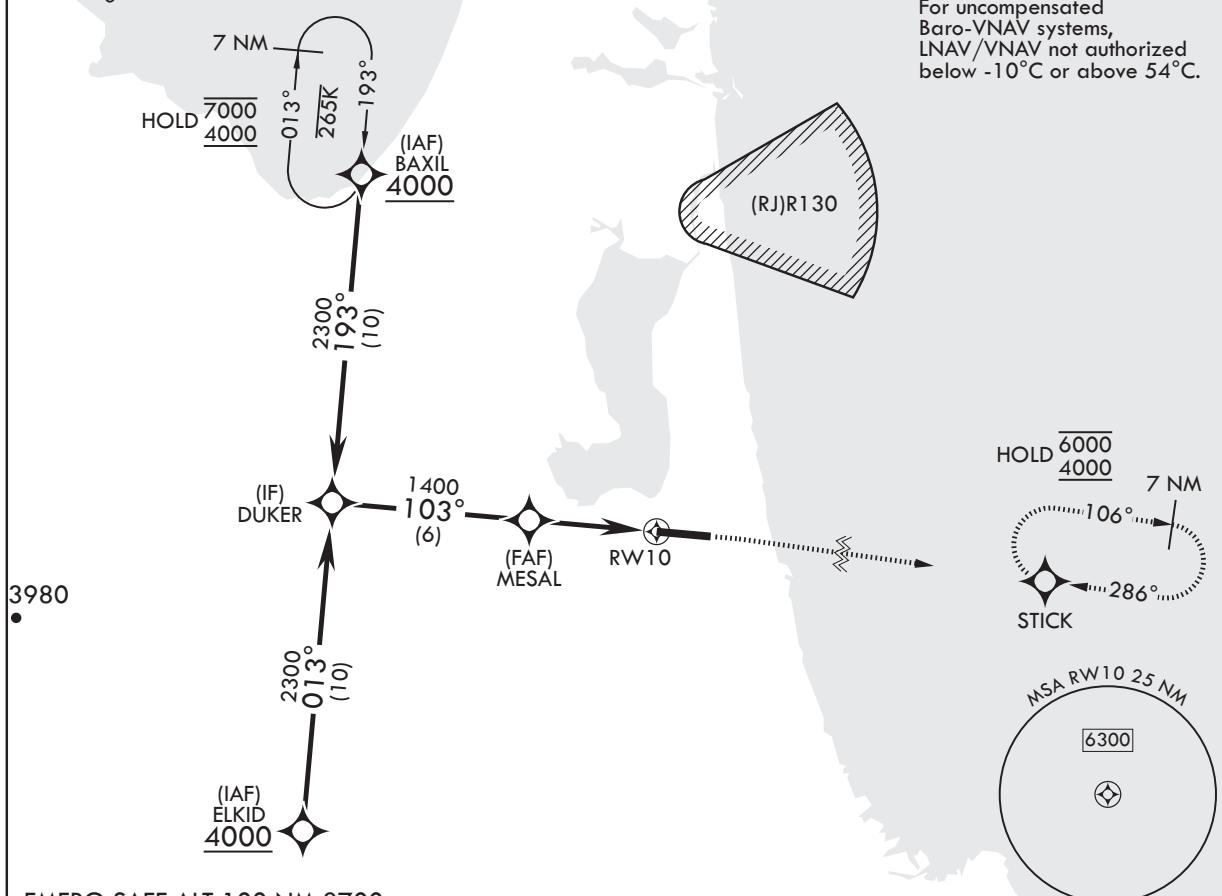
TOWER
118.1 315.8

GND CON
118.65 275.8

CLNC DEL
118.65 275.8

ASR/PAR

*** Circling NA S of RWY 10-28.



EMERG SAFE ALT 100 NM 8700

DUKER	VGSi and RNAV glidepath not coincident (VGSi Angle 3.00°/TCH 47).	TLv FL140 TA 14,000	1000 ↑	4000 ↗	STICK	ELEV 119	TDZE 119
2300	703°	MESAL	1.4 NM to RW10	RW10			
		1400	GP 3.00° TCH 51				
				3.9 NM			
CATEGORY	A	B	C	D	E		
LNAV/VNAV DA*	390/24 271 (300-½)	401/24 282 (300-½)	409/24 290 (300-½)	420/24 301 (400-½)	480/35 361 (400-⅔)		
LNAV MDA**	620/24 501 (600-½)	620/55 501 (600-1)					
C CIRCLING***	620-1 501 (600-1)	620-1½ 501 (600-1½)	680-2 561 (600-2)			HIRL all Rwy's	

CHANGE : New PROC.

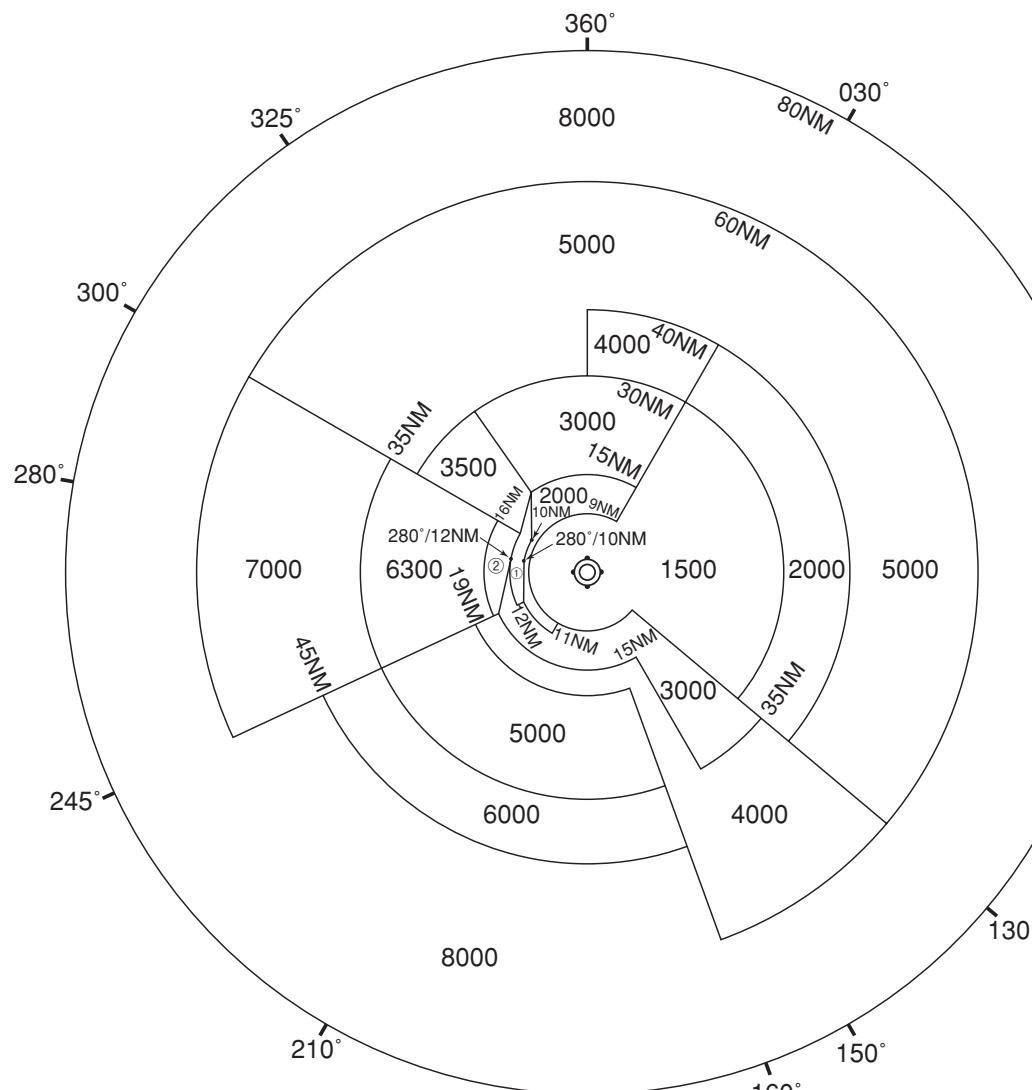
NOTE: REPRINTING DOD FLIP

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RJSM / MISAWA

Minimum Vectoring Altitude CHART

VAR 9°W (2014)



- ① 2500
② 4400

CENTER : 404247N/1412229E (RADAR SITE)