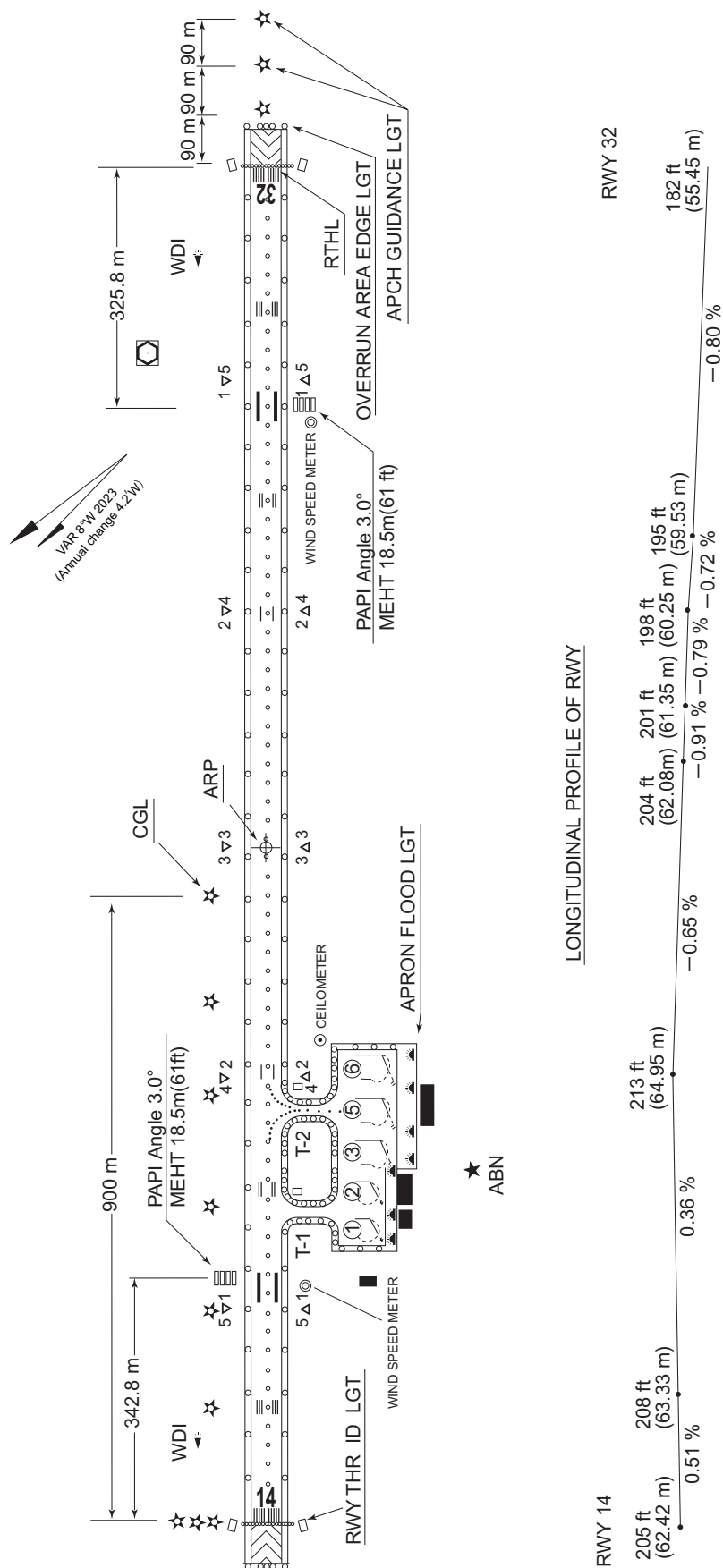


AD CHART

TSUSHIMA AP



LONGITUDINAL PROFILE OF RWY

Profile view of runway RWY 32. The profile shows a series of points connected by a line, with elevation data in feet and meters, and slope percentages between points.

Station	Elevation (ft)	Elevation (m)	Slope (%)
205 ft	62.42	19.0	0.51 %
208 ft	63.33	19.3	
213 ft	64.95	19.8	0.36 %
204 ft	62.08	18.9	-0.65 %
201 ft	61.35	18.7	-0.91 %
198 ft	60.25	18.4	-0.72 %
195 ft	59.53	18.1	

182 ft (55.45 m)

RWY 32

REMARKS	RWY GROOVING WIDTH OF TWY	30m x 1900m T-1 T-2 23m

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STANDARD DEPARTURE CHART - INSTRUMENT

RJDT / TSUSHIMA

SID

IKISHIMA SEVEN DEPARTURE

RWY 14 : Climb RWY HDG to 900FT,...

RWY 32 : Climb RWY HDG to 900FT, turn right HDG 199°,...

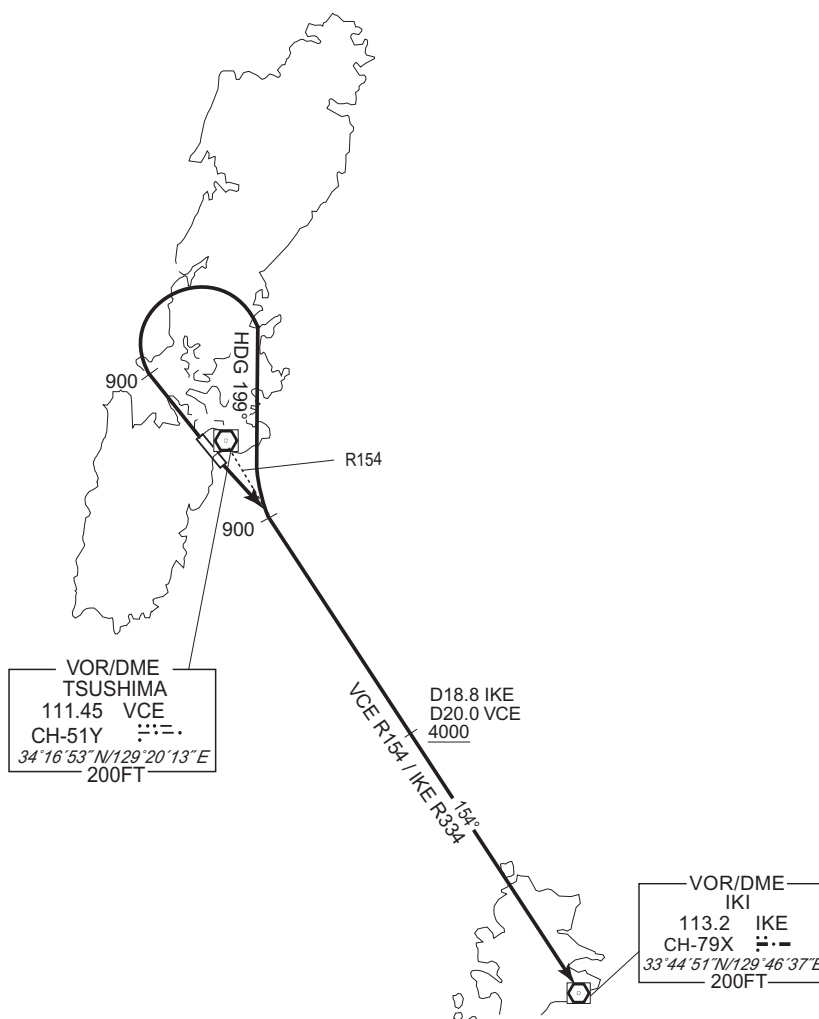
...to intercept and proceed via VCE R154/IKE R334 to IKE VOR/DME.

Cross IKE R334/18.8DME(VCE R154/20.0 DME) at or above 4000FT.

Note RWY 32 : 5.2% climb gradient required up to 900FT.

OBST ALT 262FT located at 0.2NM 292° FM end of RWY 32.

CHANGE : LAGER FOUR DEPARTURE abolished.



STANDARD DEPARTURE CHART - INSTRUMENT

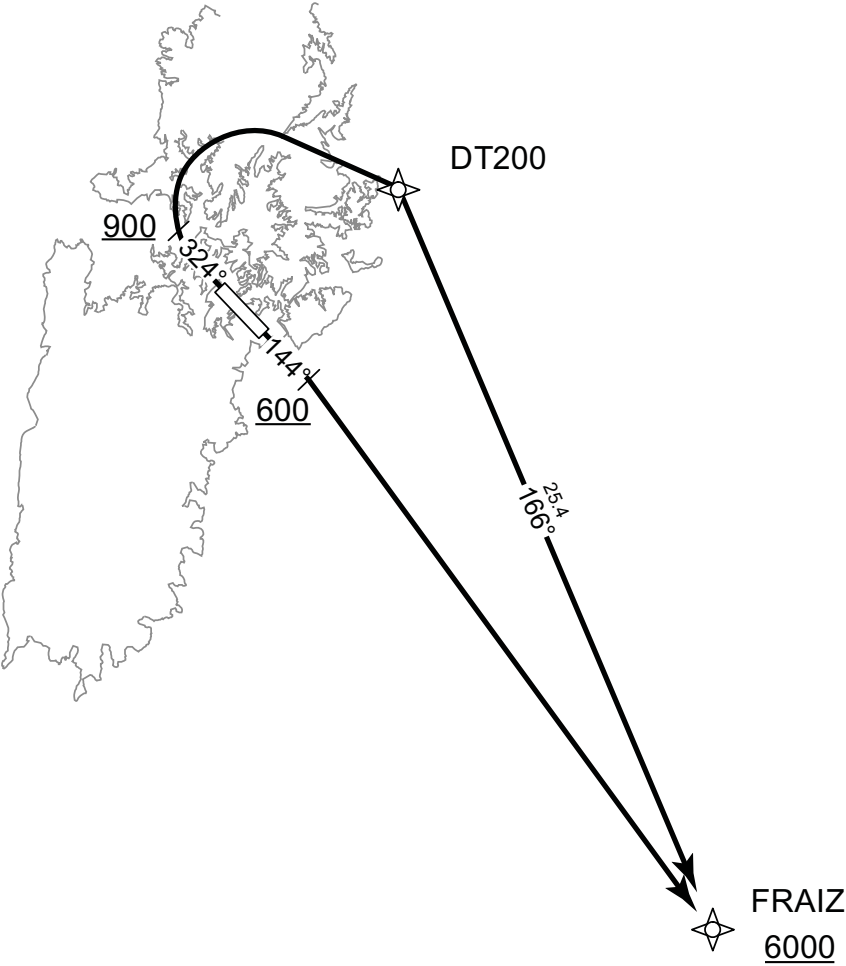
RJDT / TSUSHIMA

RNAV SID

FRAIZ ONE DEPARTURE	RNP1
---------------------	------

Note GNSS required.

VAR 8°W



RWY14 : Climb on HDG144° at or above 600FT, turn right direct to FRAIZ at or above 6000FT.

RWY32 : Climb on HDG324° at or above 900FT, turn right direct to DT200, to FRAIZ at or above 6000FT.

Note RWY32 :5.2% climb gradient required up to 900FT.
OBST ALT 262FT located at 0.2NM 292° FM end of RWY32.

CHANGE : Latitude and longitude deleted.

STANDARD DEPARTURE CHART - INSTRUMENT

RJDT / TSUSHIMARNAV SID

FRAIZ ONE DEPARTURE

RWY14

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	144 (136.2)	-8.2	-	-	+600	-	-	RNP1
002	DF	FRAIZ	-	-	-8.2	-	R	+6000	-	-	RNP1

RWY32

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	324 (316.2)	-8.2	-	-	+900	-	-	RNP1
002	DF	DT200	-	-	-8.2	-	R	-	-	-	RNP1
003	TF	FRAIZ	-	166 (157.4)	-8.2	25.4	-	+6000	-	-	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
DT200	342114.7N / 1292521.1E
FRAIZ	335748.9N / 1293707.1E

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART - INSTRUMENT

RJDT / TSUSHIMA

RNAV STAR

OMDUK ARRIVAL	RNP1
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Note GNSS required.

VAR 8°W



From OMDUK at or above 4000FT, to AGATA at or above 3000FT.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	OMDUK	—	—	-8.1	—	—	+4000	—	—	RNP1
002	TF	AGATA	—	337 (328.5)	-8.1	5.0	—	+3000	—	—	RNP1

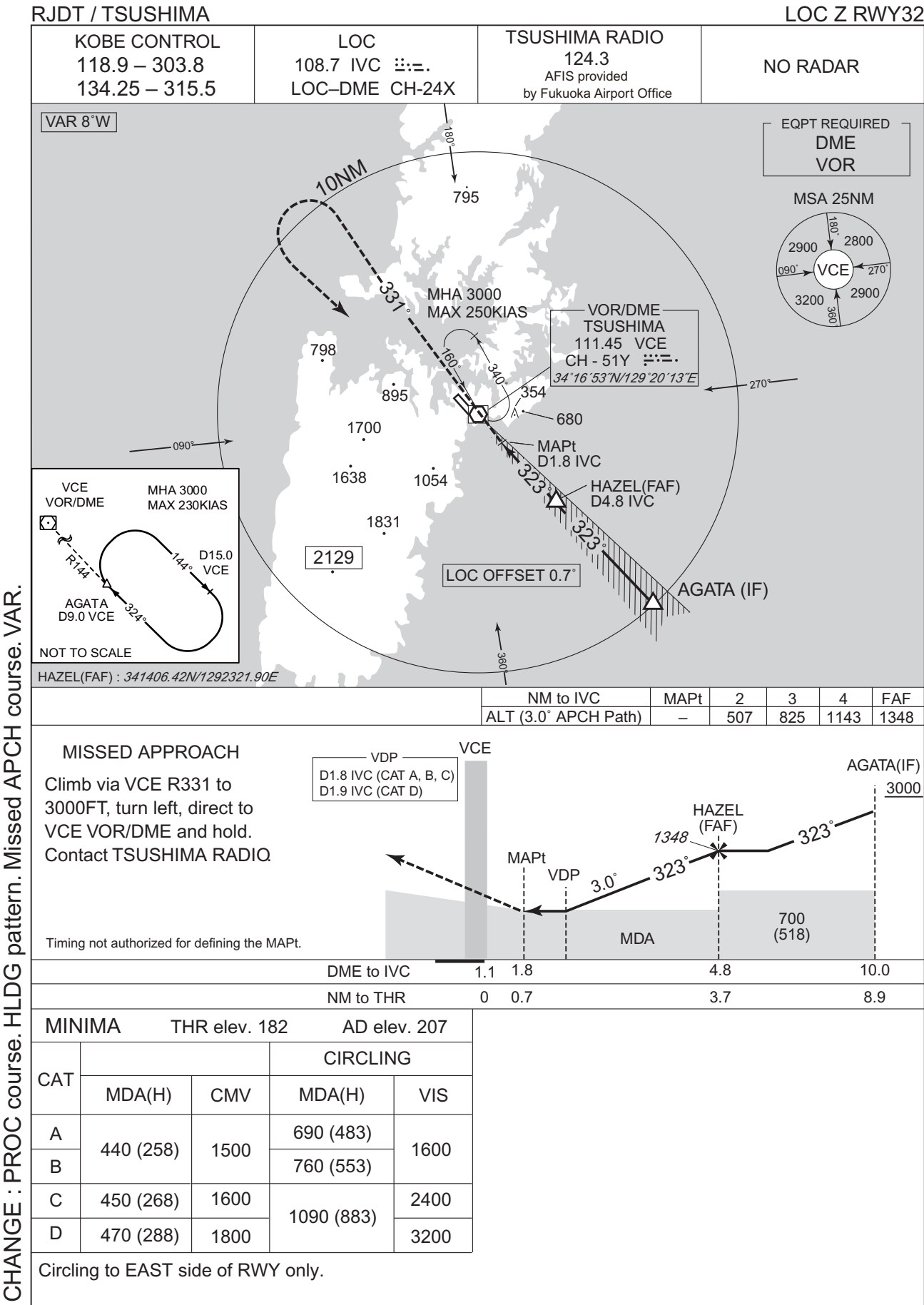
Waypoint Coordinates

Waypoint Identifier	Coordinates
OMDUK	340607.4N / 1293057.4E
AGATA	341023.4N / 1292747.8E

CHANGE : Waypoint Coordinates added.

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INSTRUMENT APPROACH CHART



LOC Y RWY32

KOBE CONTROL
118.9 – 303.8
134.25 – 315.5

LOC
108.7 IVC 22.1
LOC-DME CH-24X

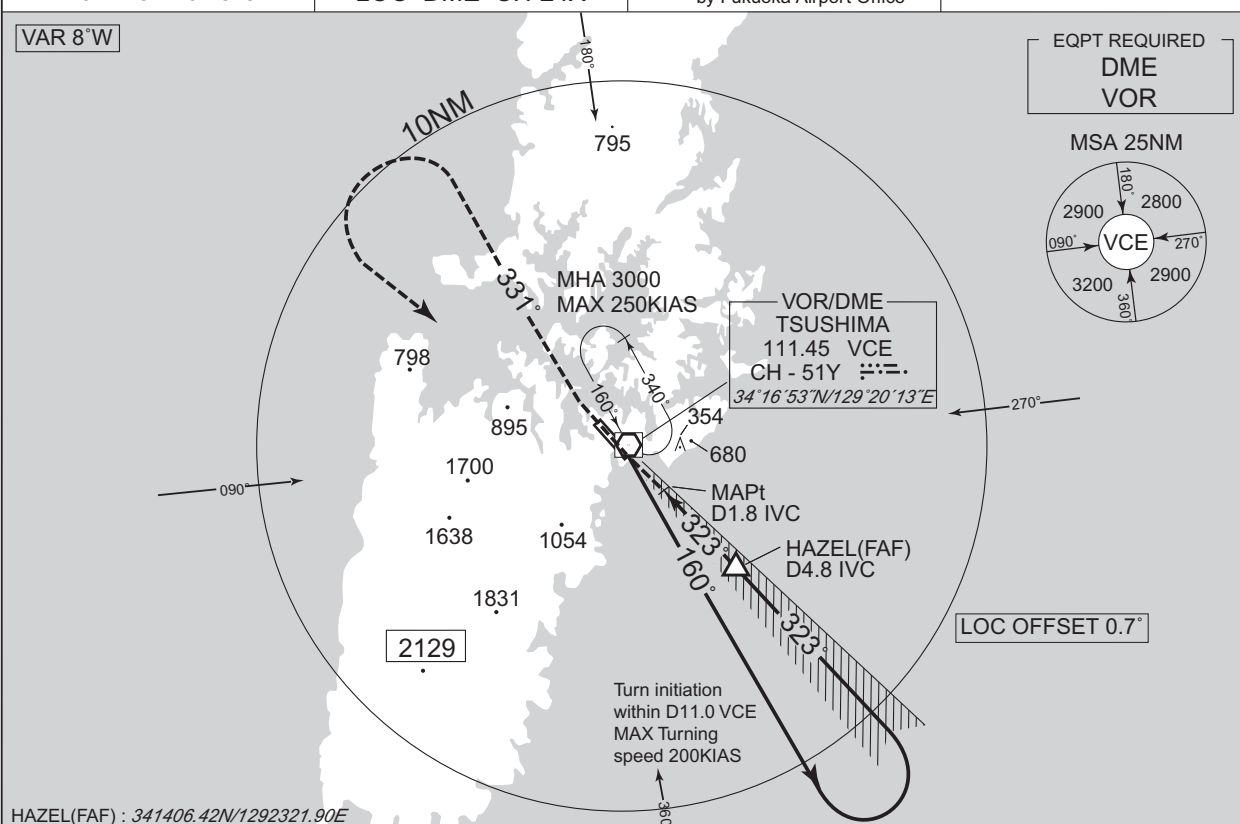
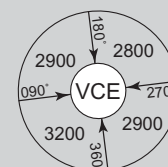
TSUSHIMA RADIO
124.3
AFIS provided
by Fukuoka Airport Office

NO RADAR

VAR 8°W

EQPT REQUIRED
DME
VOR

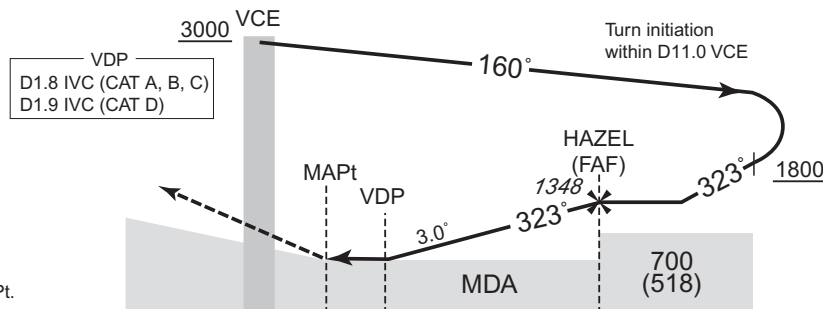
MSA 25NM



NM to IVC	MAPt	2	3	4	FAF
ALT (3.0° APCH Path)	–	507	825	1143	1348

Climb via VCE R331 to 3000FT, turn left, direct to VCE VOR/DME and hold. Contact TSUSHIMA RADIO.

Timing not authorized for defining the MAPt.



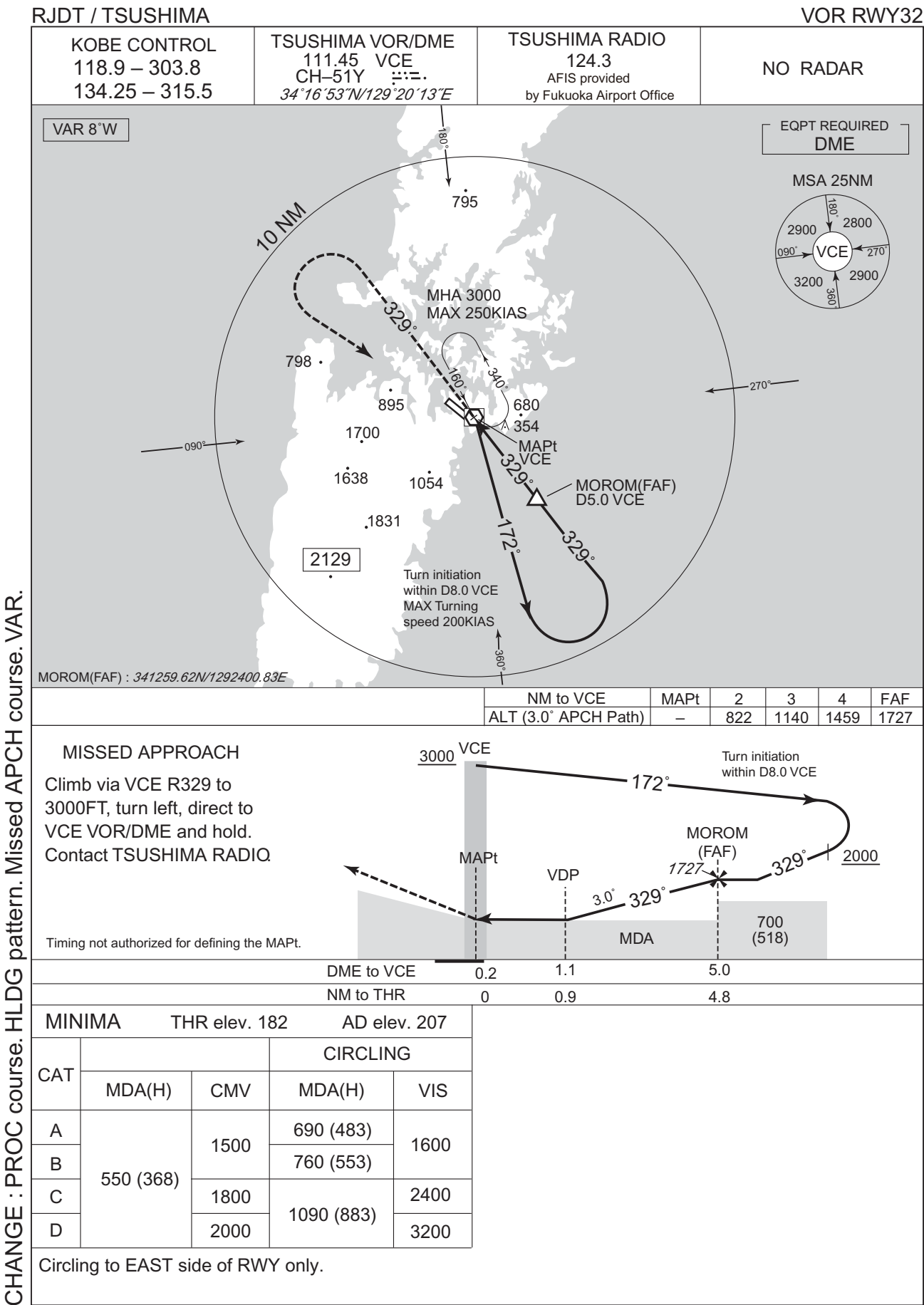
DME to IVC	1.1	1.8	4.8
NM to THR	0	0.7	3.7

MINIMA		THR elev. 182	AD elev. 207	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	440 (258)	1500	690 (483)	1600
B			760 (553)	
C	450 (268)	1600	1090 (883)	2400
D	470 (288)	1800		3200

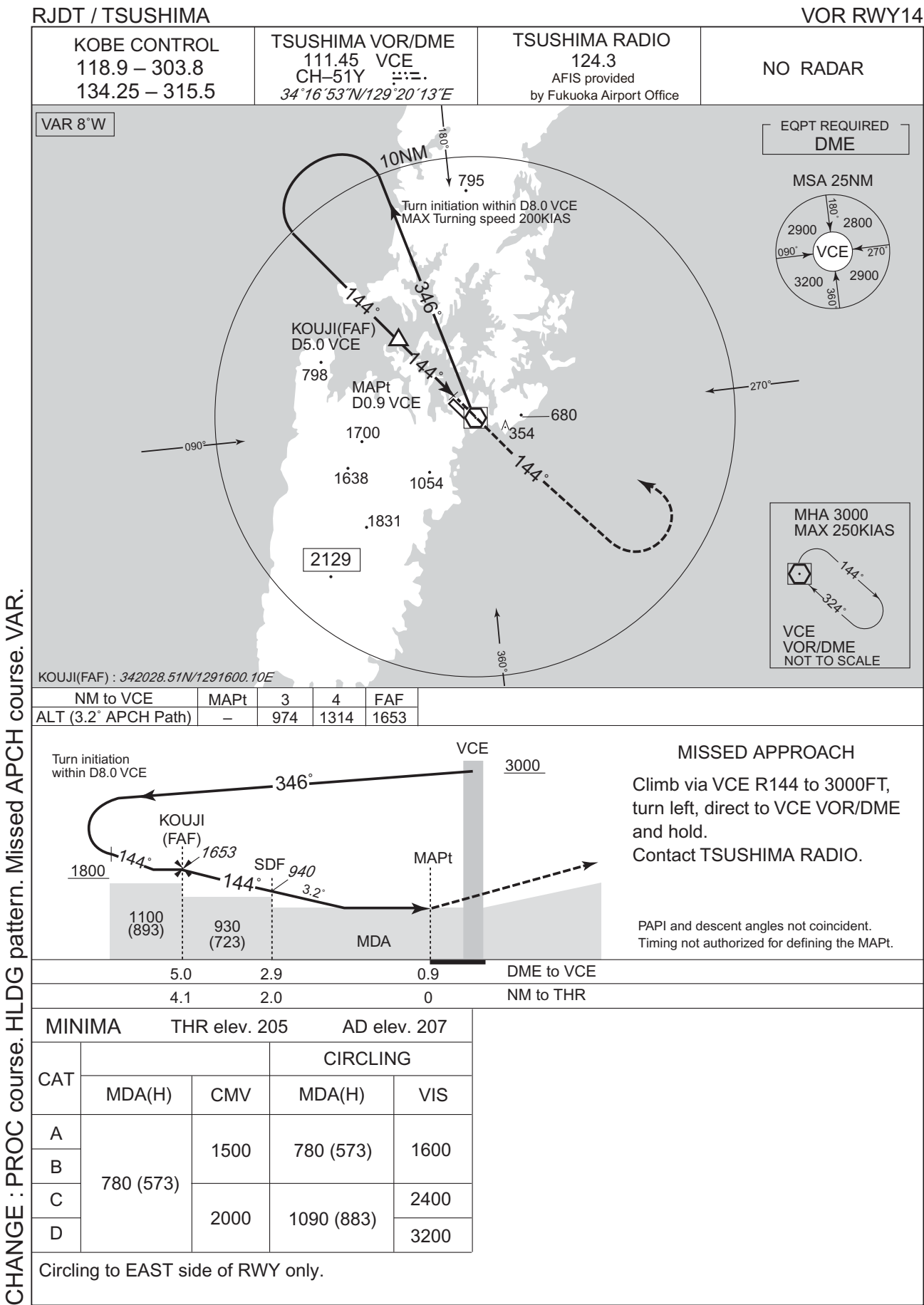
Circling to EAST side of RWY only.

CHANGE : PROC course. HLDG pattern. Missed APCH course. VAR.

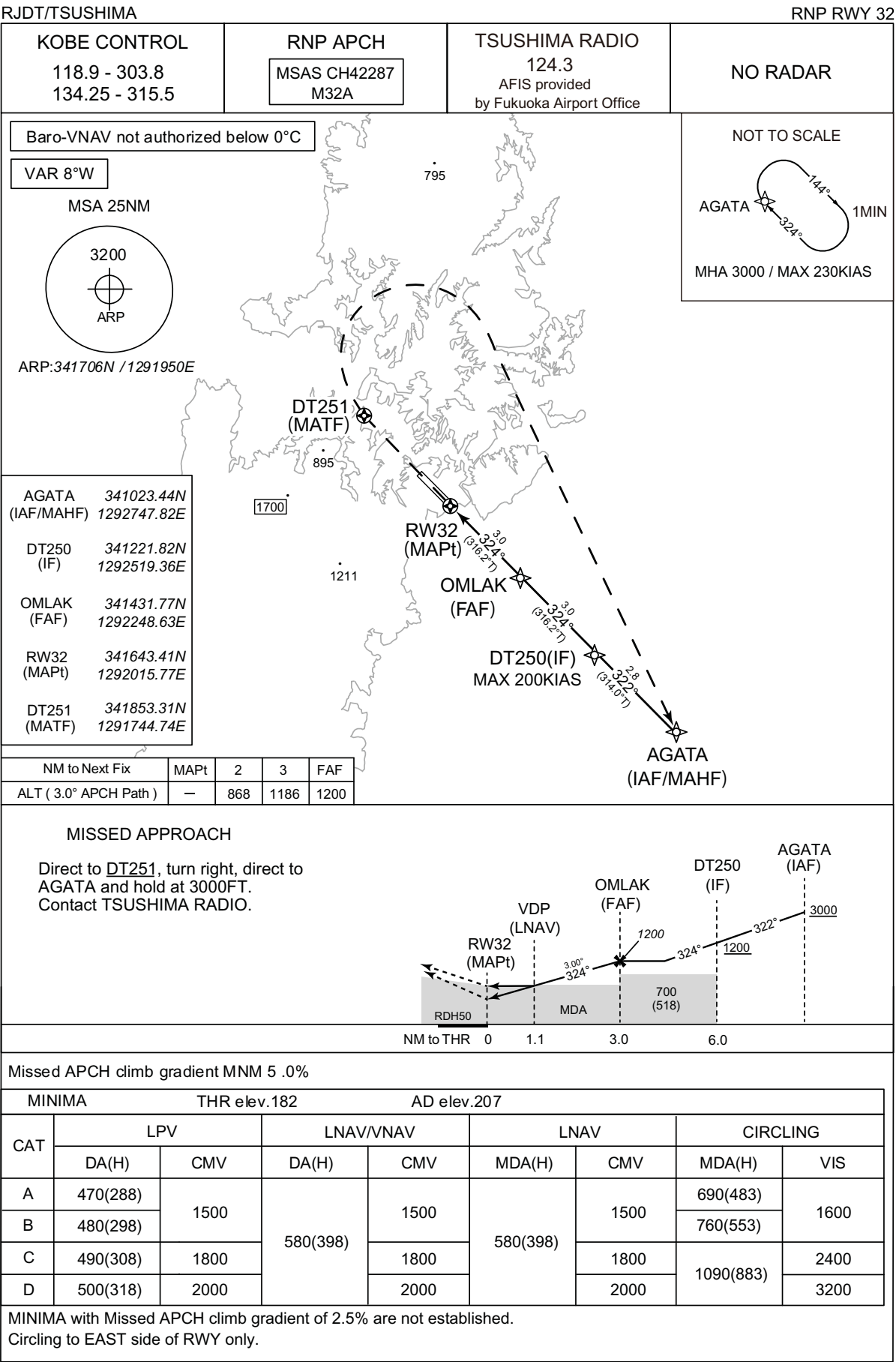
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



CHANGE: HLDG pattern for using NAVAID abolished.

INSTRUMENT APPROACH CHART

RJDT / TSUSHIMA

RNP RW Y32

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+00861
SBAS service provider identifier	2	FPAP latitude	341727.7595N
Airport identifier	RJDT	FPAP longitude	1291924.2050E
Runway	32	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M32A	∟ length offset	0000
LTP/FTP latitude	341643.3790N	HAL	40.0
LTP/FTP longitude	1292015.7765E	VAL	50.0
CRC remainder	EA5E957D		

Required additional data

LTP/FTP orthometric height	55.4
----------------------------	------

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

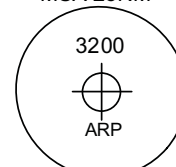
RJDT / TSUSHIMA

RNP RWY 14

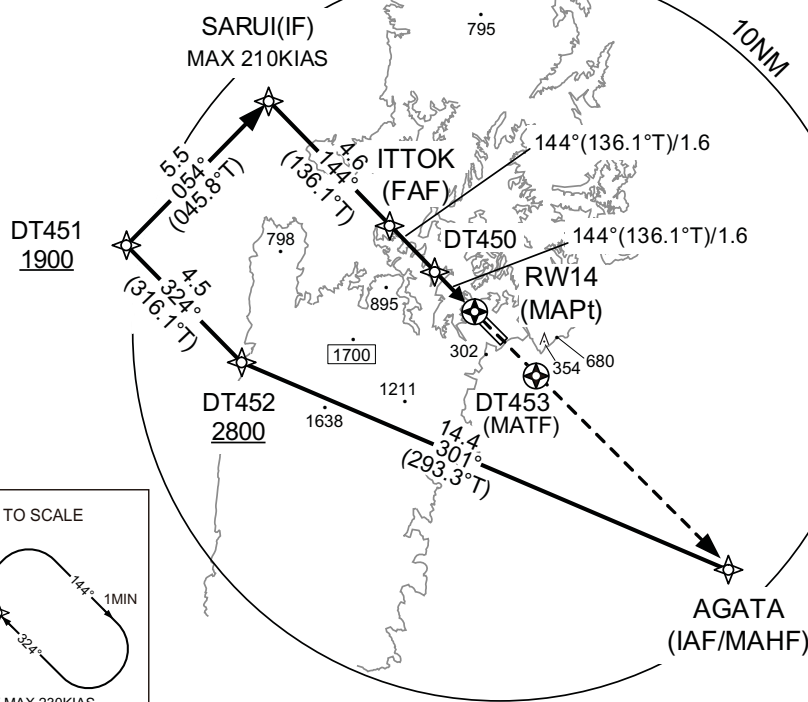
Baro-VNAV not authorized below 0°C

VAR 8°W

MSA 25NM

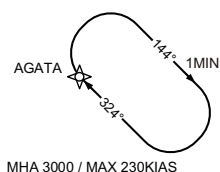


ARP:341706N / 1291950E



AGATA (IAF/MAHF)	341023.44N 1292747.82E
DT452	341605.18N 1291146.41E
DT451	341919.60N 1290759.68E
SARUI (IF)	342309.57N 1291246.22E
IT TOK (FAF)	341949.81N 1291638.98E
DT450	341838.75N 1291801.68E
RW14 (MAPt)	341727.79N 1291924.19E
DT453 (MATE)	341457.36N 1292218.93E

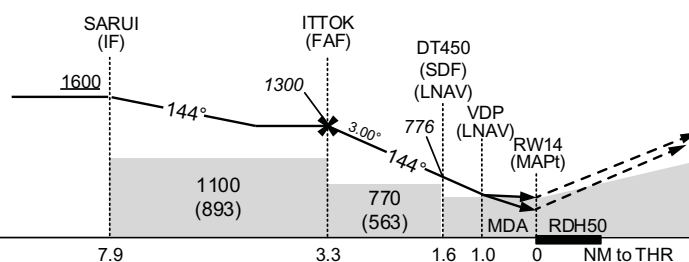
NOT TO SCALE



NM to Next Fix	FAF	3	2	MAPt
ALT (3.0° APCH Path)	1300	1210	891	—

MISSED APPROACH

Direct to DT453, direct to AGATA
and hold at 3000FT.
Contact TSUSHIMA RADIO.



Missed APCH climb gradient MNM 5 .0%

MINIMA			THR elev.205		AD elev.207			
CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	469(264)	1500	580(375)	1500	580(373)	1500	690(483)	1600
B	479(274)						760(553)	
C	489(284)	1600		1800		1800	1090(883)	2400
D	499(294)	1800		2000		2000		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to EAST side of RWY only.

CHANGE : Missed APCH for using VOR/DME abolished. HLDG pattern for using NAVAID abolished.

INSTRUMENT APPROACH CHART

RJDT / TSUSHIMA

RNP RWY14

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+00930
SBAS service provider identifier	2	FPAP latitude	341643.3790N
Airport identifier	RJDT	FPAP longitude	1292015.7765E
Runway	14	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M14A	∟ length offset	0000
LTP/FTP latitude	341727.7595N	HAL	40.0
LTP/FTP longitude	1291924.2050E	VAL	50.0
CRC remainder	1534DDCD		

Required additional data

LTP/FTP orthometric height	62.3
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CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

RJDT / TSUSHIMA

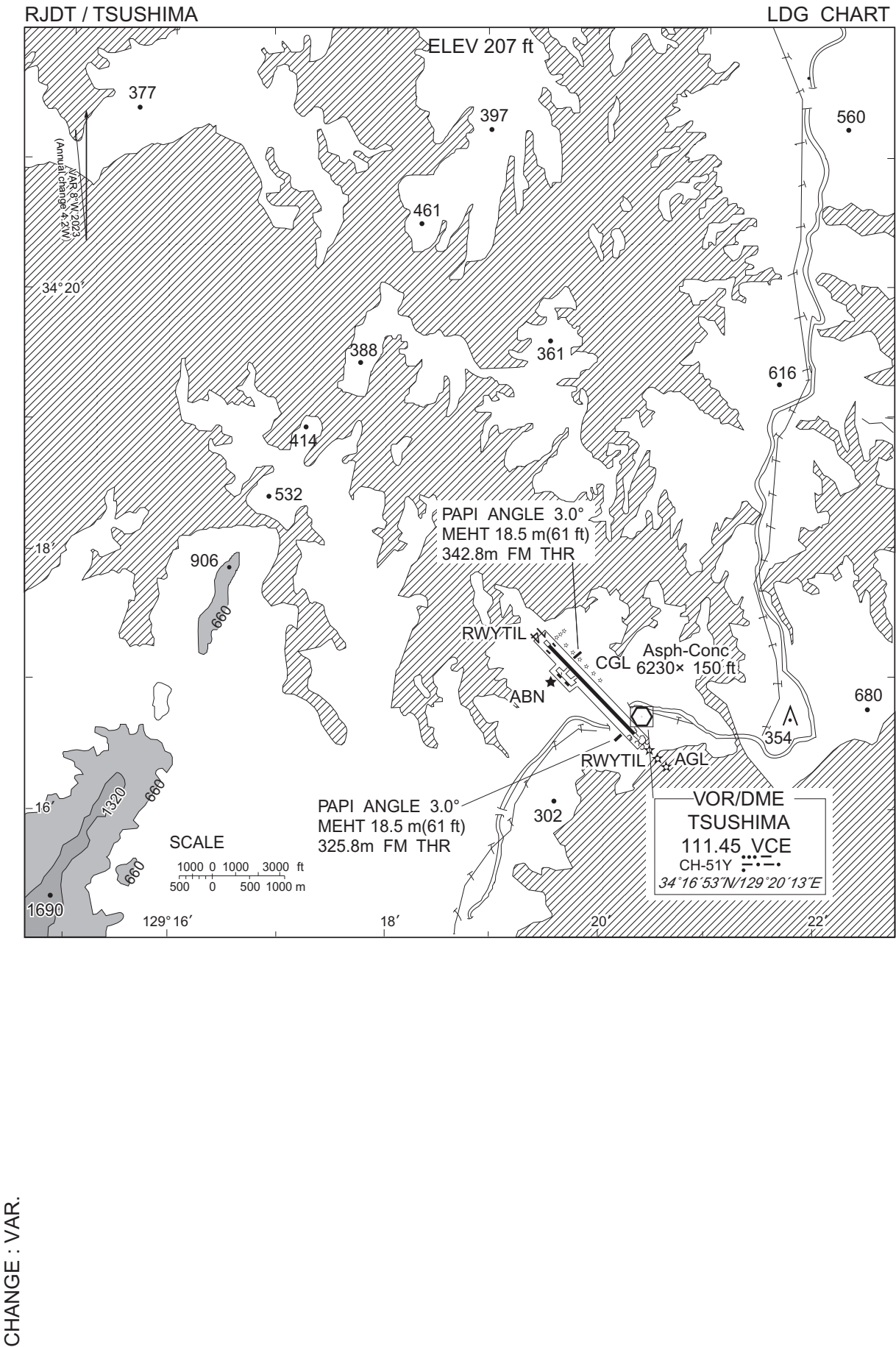
Visual REP



※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : VAR.

Call sign	BRG / DIST from ARP	Remarks
長崎鼻 Nagasaki-bana	023°T / 8.3NM	灯台 Lighthouse
厳原 Izuhara	200°T / 5.7NM	港 Harbor
10NM SE	135°T / 10.0NM	海上 Over the Sea



RJDT / TSUSHIMA

Minimum Vectoring Altitude CHART

