

## AD CHART



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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.

LAGER FOUR DEPARTURE

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

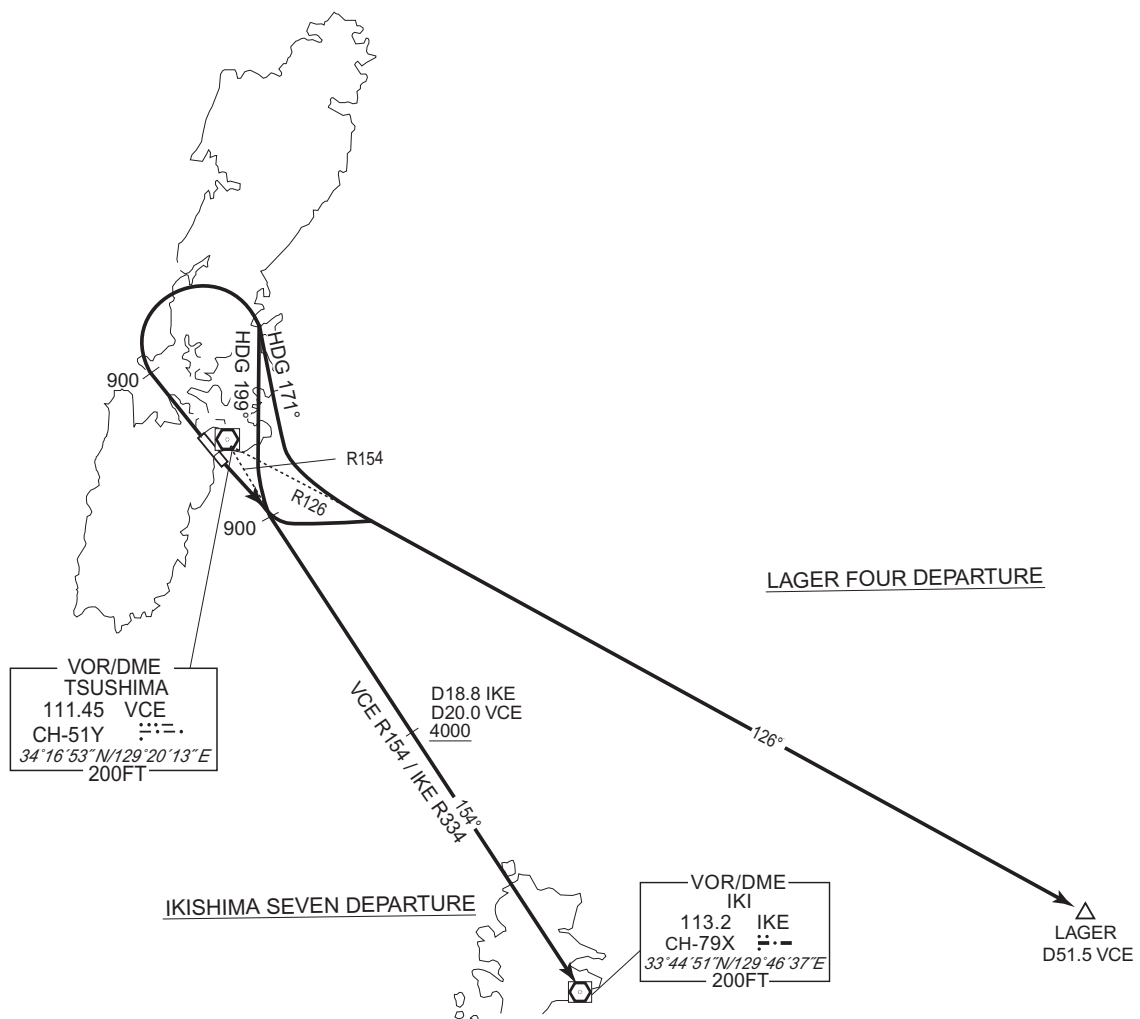
RWY 32 : Climb RWY HDG to 900FT, turn right HDG 171°,...

...to intercept and proceed via VCE R126 to LAGER.

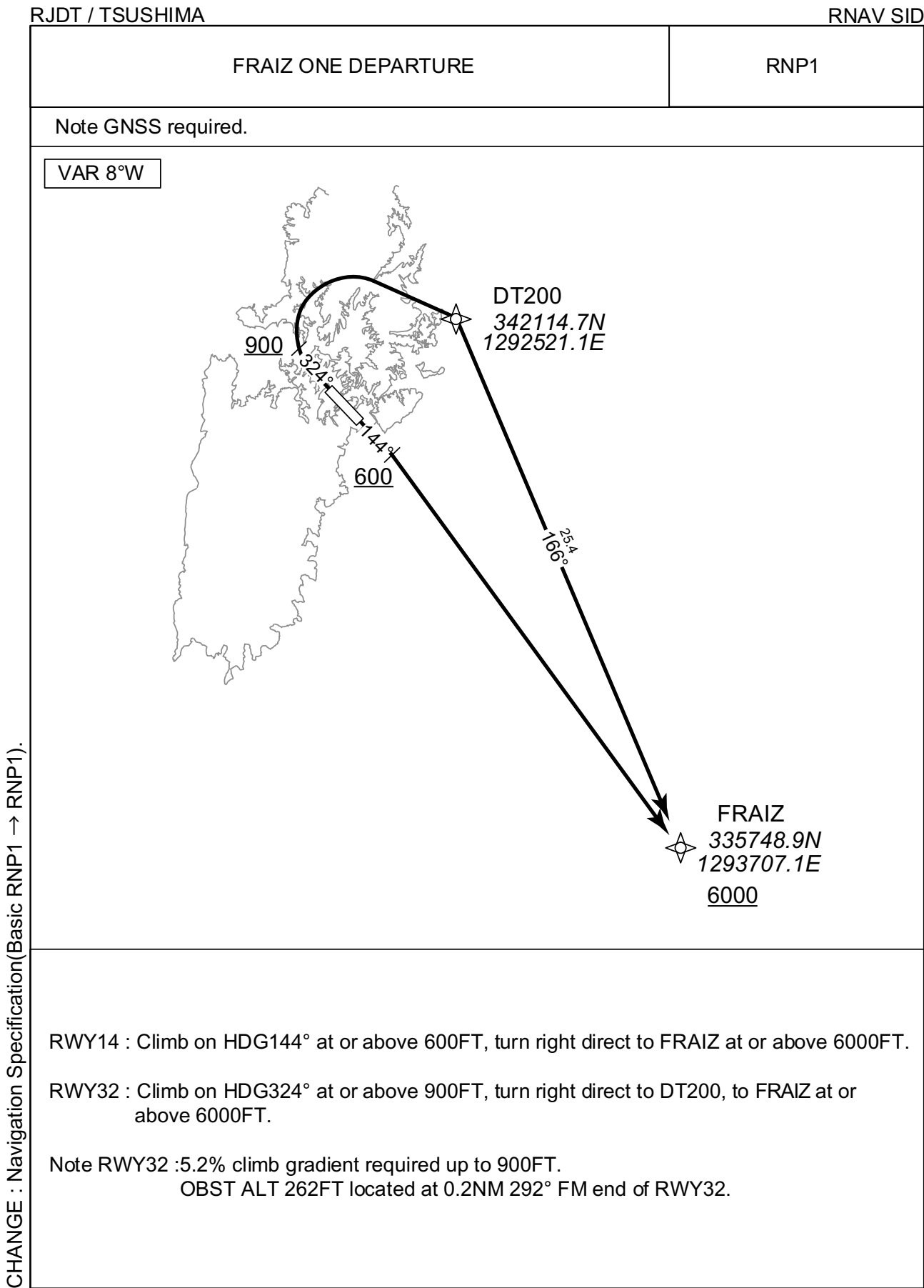
Note RWY 32 : 5.2% climb gradient required up to 900FT.

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

CHANGE : PROC renamed(IKISHIMA SEVEN DEPARTURE, LAGER FOUR DEPARTURE), PROC course.



STANDARD DEPARTURE CHART - INSTRUMENT



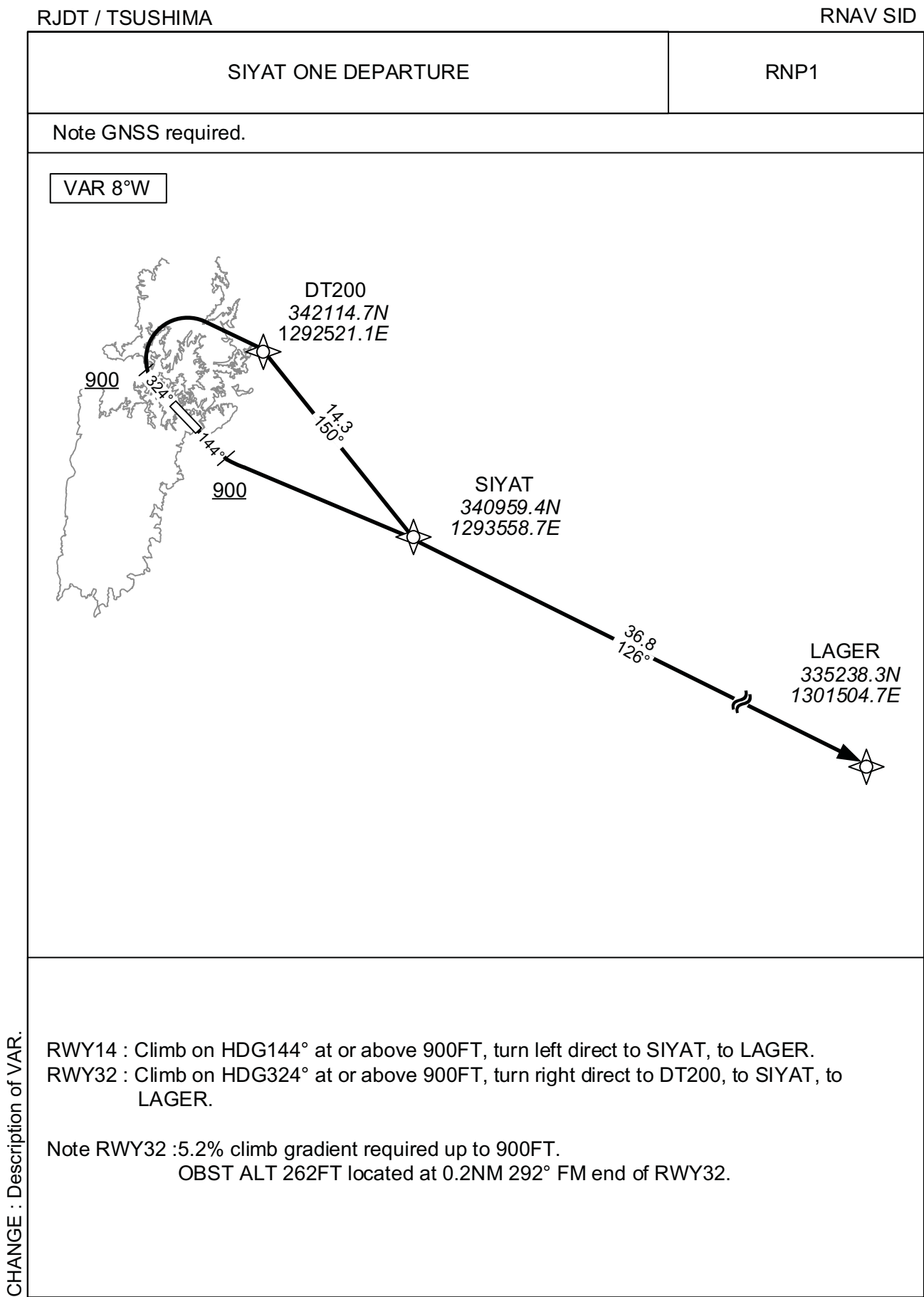
STANDARD DEPARTURE CHART - INSTRUMENT

RJDT / TSUSHIMA

RNAV 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
CHANGE : Navigation Specification(Basic RNP1 → RNP1).											

STANDARD DEPARTURE CHART - INSTRUMENT



STANDARD DEPARTURE CHART - INSTRUMENT

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RNAV SID

SIYAT 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)	-7.9	-	-	+900	-	-	RNP1
002	DF	SIYAT	-	-	-7.9	-	L	-	-	-	RNP1
003	TF	LAGER	-	126 (118.0)	-7.9	36.8	-	-	-	-	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)	-7.9	-	-	+900	-	-	RNP1
002	DF	DT200	-	-	-7.9	-	R	-	-	-	RNP1
003	TF	SIYAT	-	150 (142.0)	-7.9	14.3	-	-	-	-	RNP1
004	TF	LAGER	-	126 (118.0)	-7.9	36.8	-	-	-	-	RNP1

STANDARD ARRIVAL CHART - INSTRUMENT

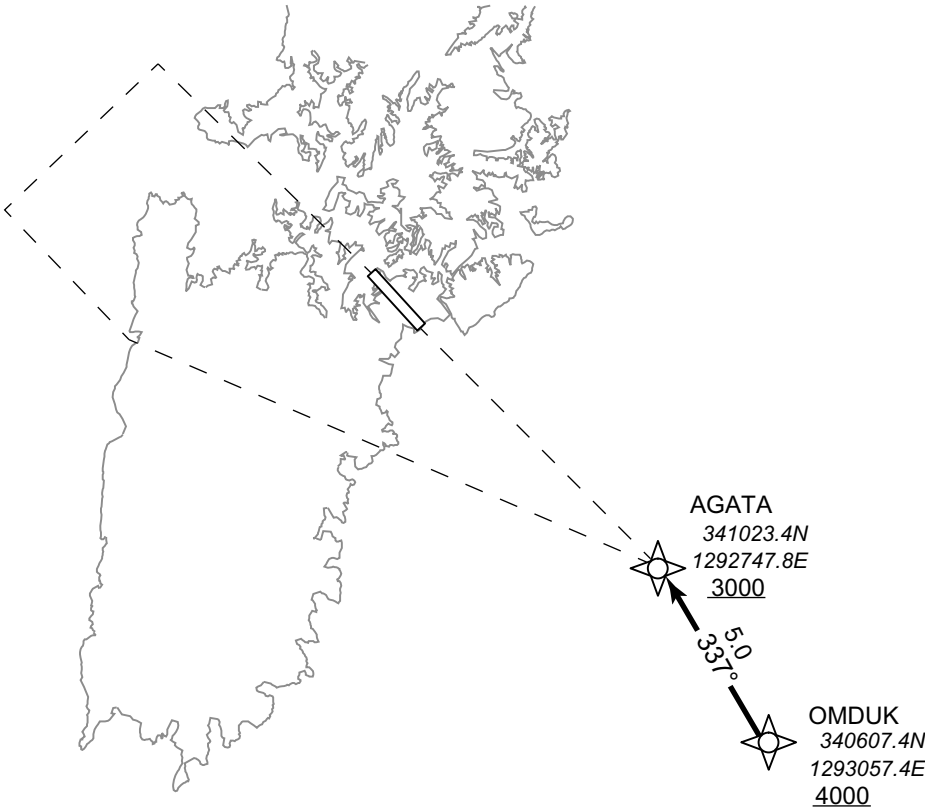
RJDT / TSUSHIMA

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.

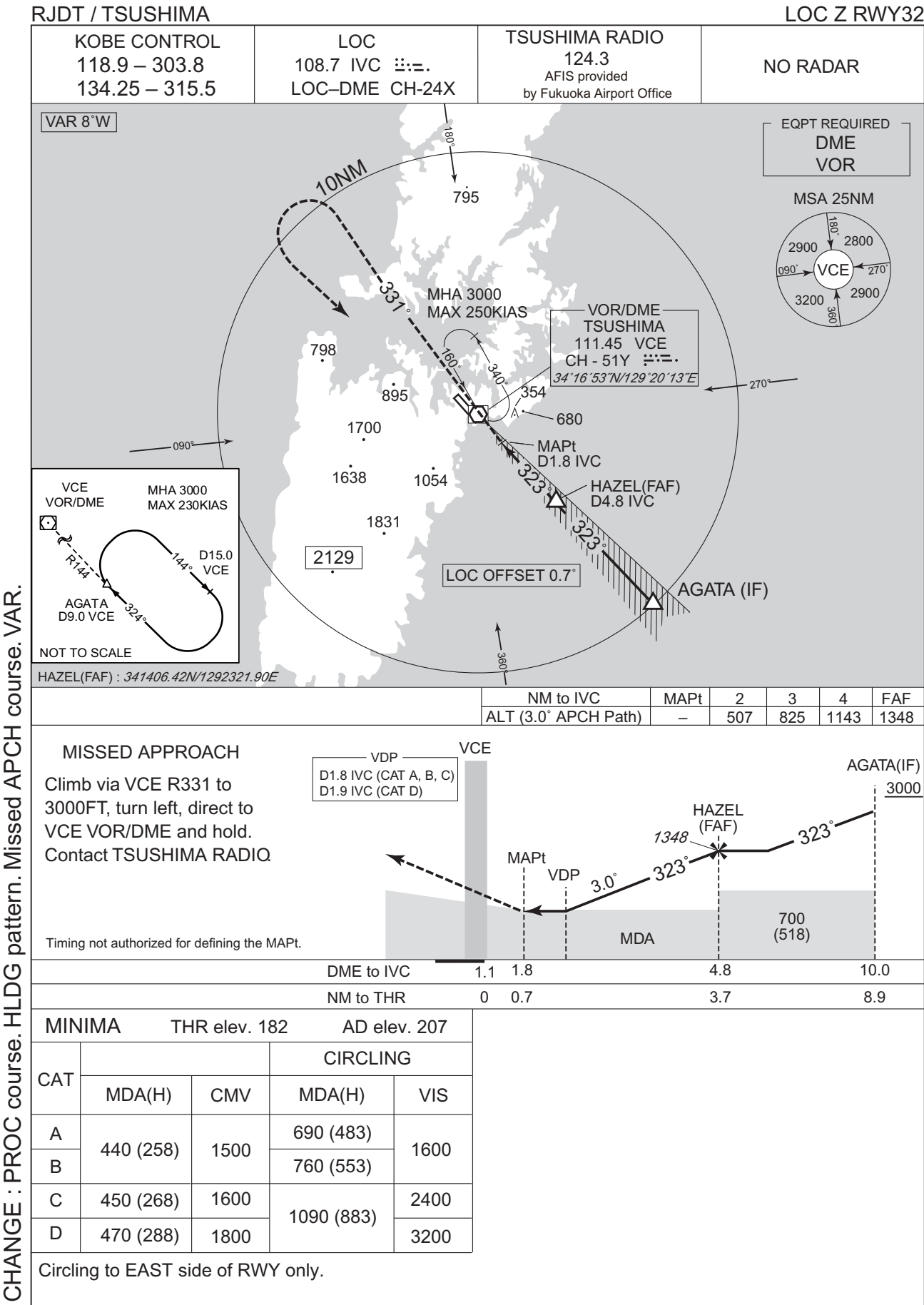
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	OMDUK	—	—	-8.1	—	—	+4000	—	—	RNP1
002	TF	AGATA	—	337 (328.5)	-8.1	5.0	—	+3000	—	—	RNP1

CHANGE : Description of VAR.



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INSTRUMENT APPROACH CHART



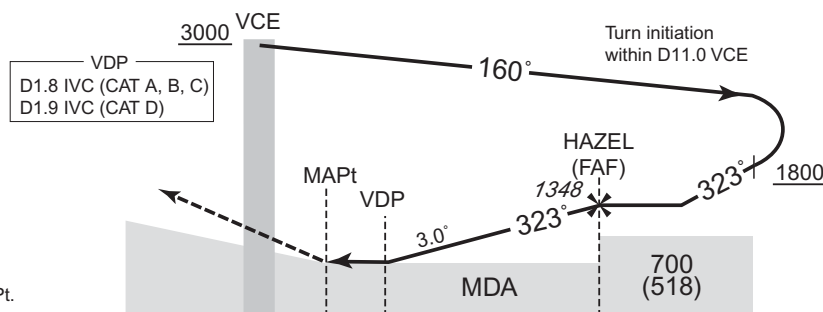
## RJDT / TSUSHIMA

LOC Y RWY32



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.



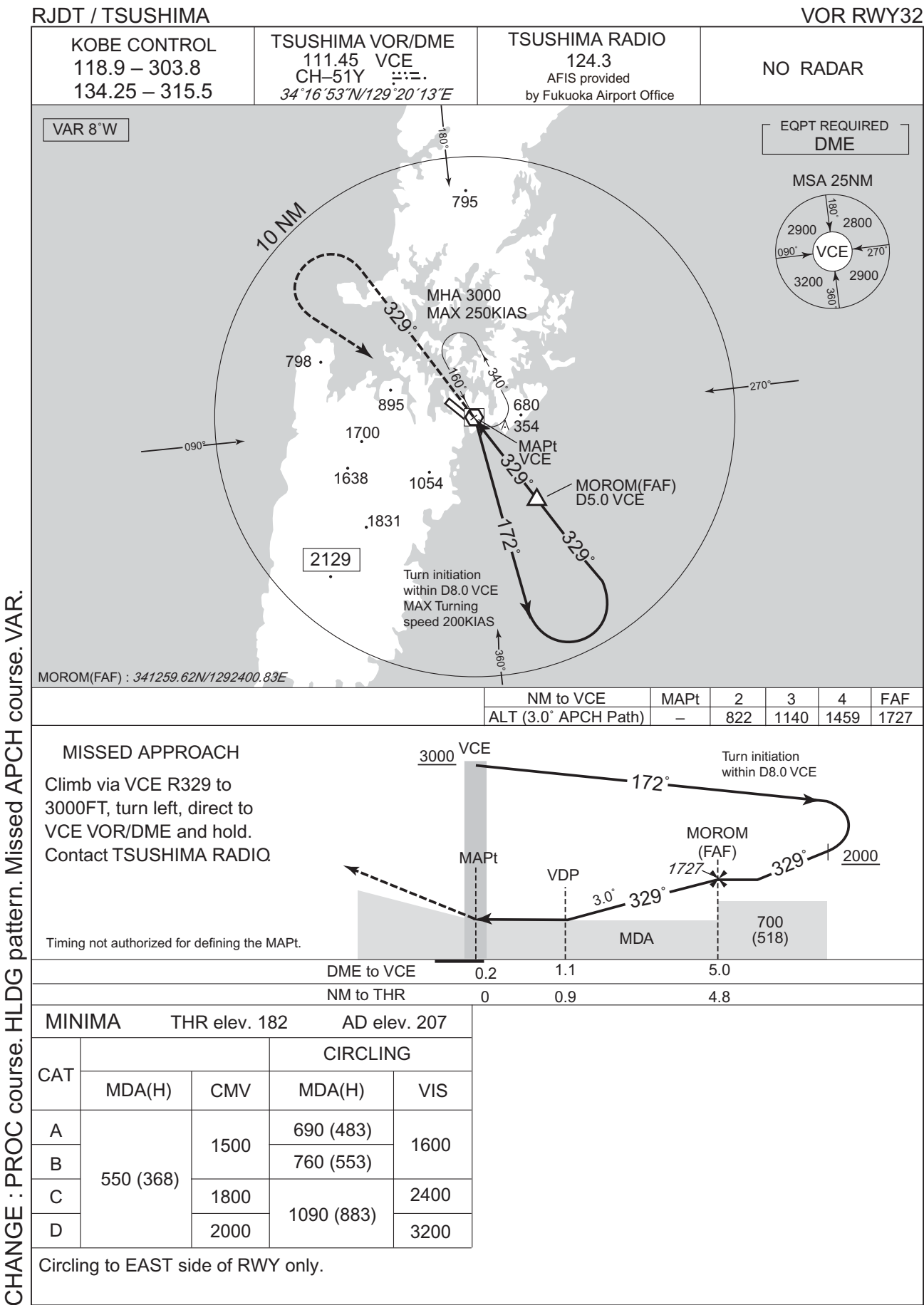
NM to IVC	MAPt	2	3	4	FAF
ALT (3.0° APCH Path)	–	507	825	1143	1348

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.

INSTRUMENT APPROACH CHART



## RJDT / TSUSHIMA

KOBE CONTROL  
118.9 – 303.8  
134.25 – 315.5

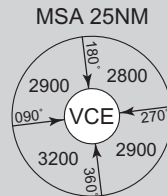
TSUSHIMA VOR/DME  
111.45 VCE  
CH-51Y ::=.  
34°16'53"N/129°20'13"E

TSUSHIMA RADIO  
124.3  
AFIS provided  
by Fukuoka Airport Office

NO RADAR

VAR 8°W

- EQPT REQUIRED  
DME



MSA 25NM

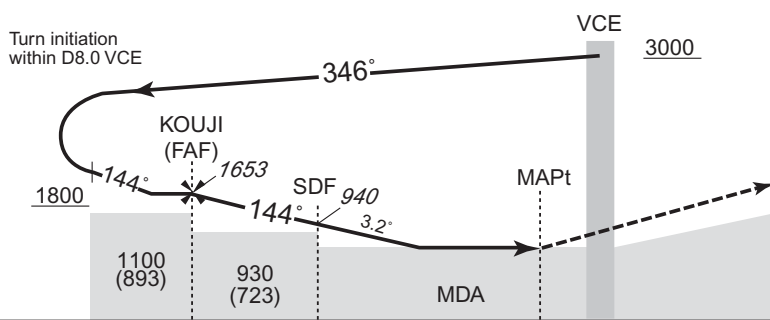
MHA 3000  
MAX 250KIAS

Diagram illustrating angles:  $144^\circ$  and  $324^\circ$ . A hexagon symbol is shown, indicating a  $60^\circ$  angle.

VCE  
VOR/DME  
NOT TO SCALE

KOUJI(FAF) : 342028.51N/1291600.10E

NM to VCE	MAPt	3	4	FAF
ALT (3.2° APCH Path)	—	974	1314	1653



Climb via VCE R144 to 3000FT,  
turn left, direct to VCE VOR/DME  
and hold.  
Contact TSUSHIMA RADIO.

PAPI and descent angles not coincident.  
Timing not authorized for defining the MAPt.

5.0	2.9	0.9	DME to VCE
4.1	2.0	0	NM to THR

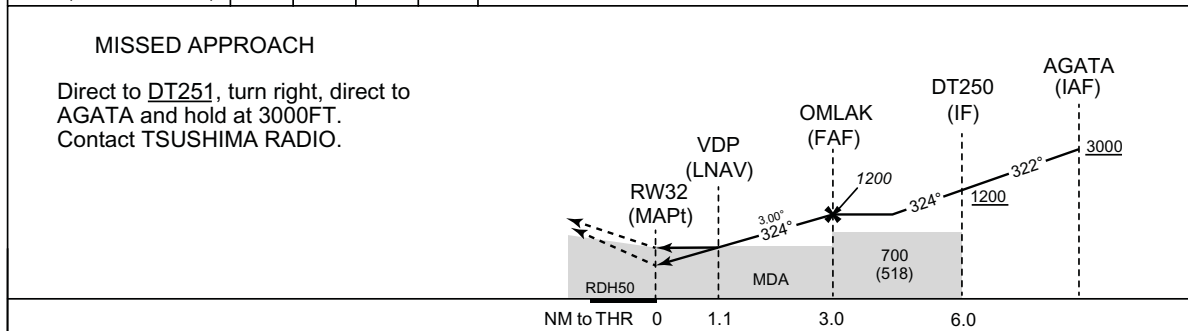
MINIMA		THR elev. 205	AD elev. 207	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	780 (573)	1500	780 (573)	1600
B				
C		2000	1090 (883)	2400
D				3200

Circling to EAST side of RWY only.

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

## RJD/TSUSHIMA

RNP RWY 32



Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev.182	AD elev.207					
CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	470(288)	1500	580(398)	1500	580(398)	1500	690(483)	1600
B	480(298)						760(553)	
C	490(308)	1800		1800		1800	1090(883)	2400
D	500(318)	2000		2000		2000		3200

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

## INSTRUMENT APPROACH CHART

RJDT / TSUSHIMA

RNP RW Y32

**FAS DATA BLOCK**

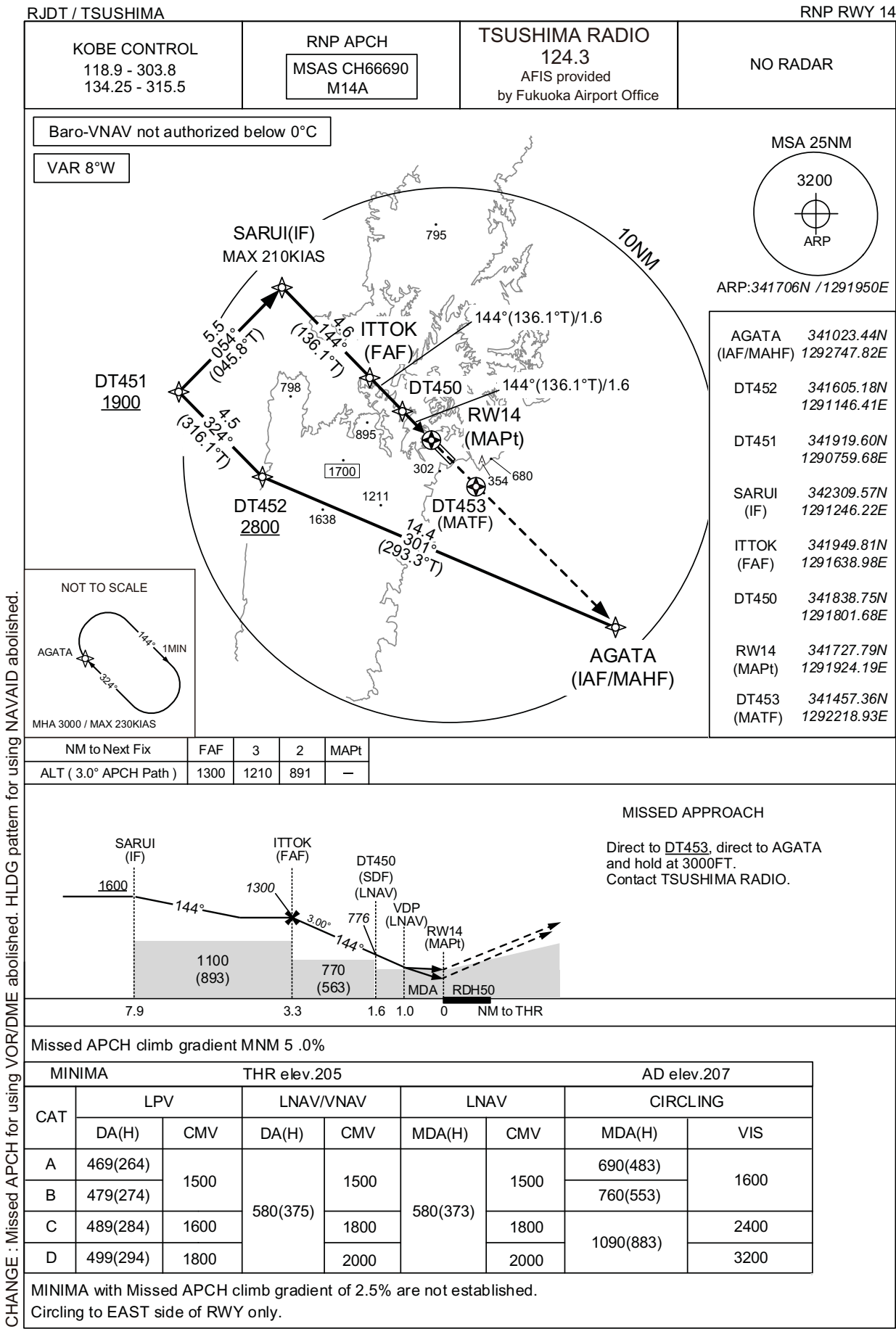
Operation type	0	LTP/FTP ellipsoidal height	+00861
SBAS service provider identifier	2	FPAP latitude	341727.7595N
Airport identifier	RJDT	FPAP longitude	1291924.2050E
Runway	32	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
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
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CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

INSTRUMENT APPROACH CHART





## RNP RWY14

## RNP RWY14

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		

LTP/FTP orthometric height	62.3
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**29/12/22**

RJDT / TSUSHIMA

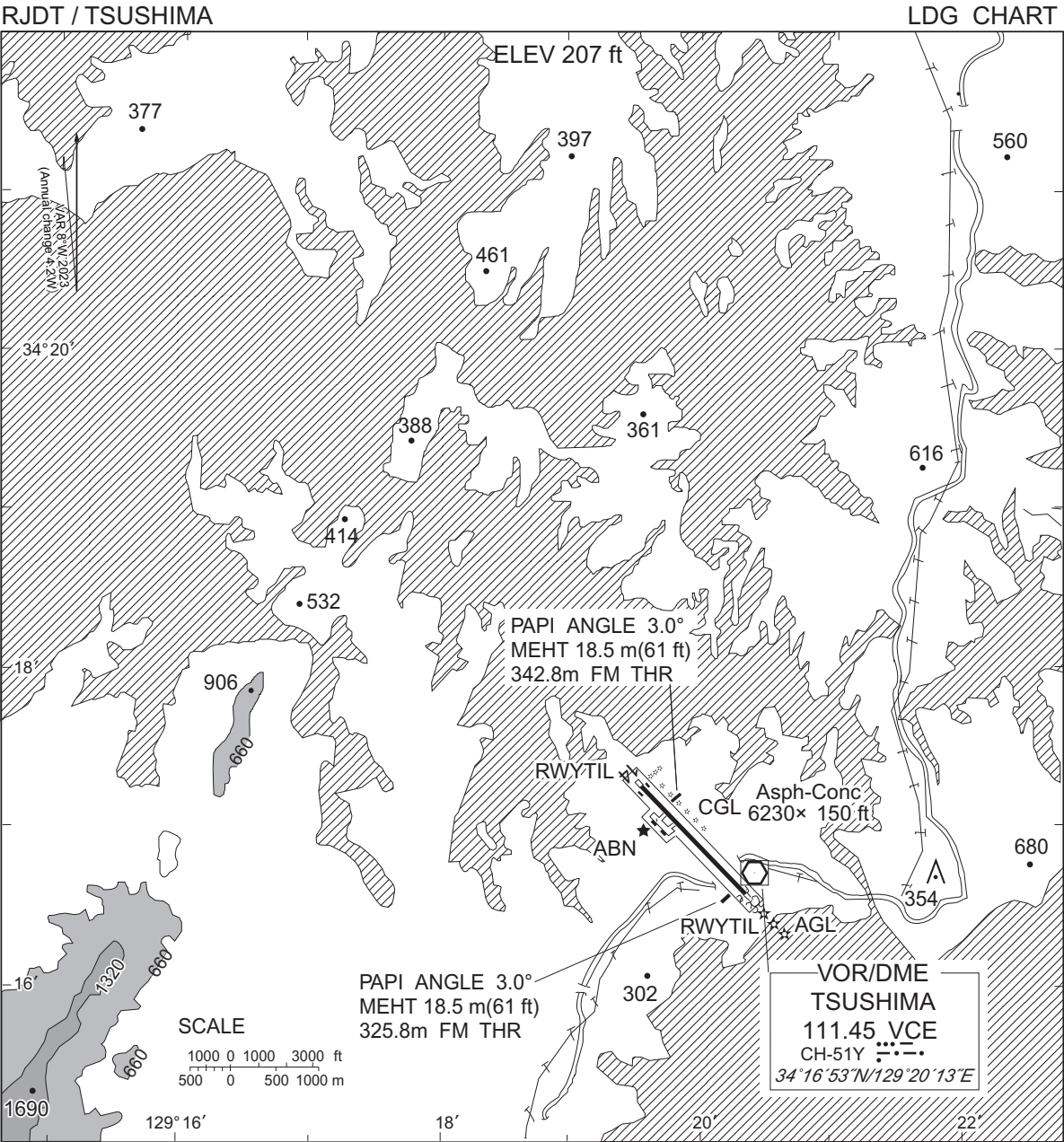
Visual REP



※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 Nagasakibana	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



CHANGE : VAR.

RJDT / TSUSHIMA

Minimum Vectoring Altitude CHART

