



STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

SID

YANAI THREE DEPARTURE

RWY 01 : Climb RWY HDG until 500FT, turn right,....

RWY 19 : Turn left,....

....Climb via TFE R044 to YANAI.

Note RWY 01 : 5.0% climb gradient required up to 500FT.

OBST ALT 267FT located at 2.44NM 351° from end of RWY01.

OITA THREE DEPARTURE

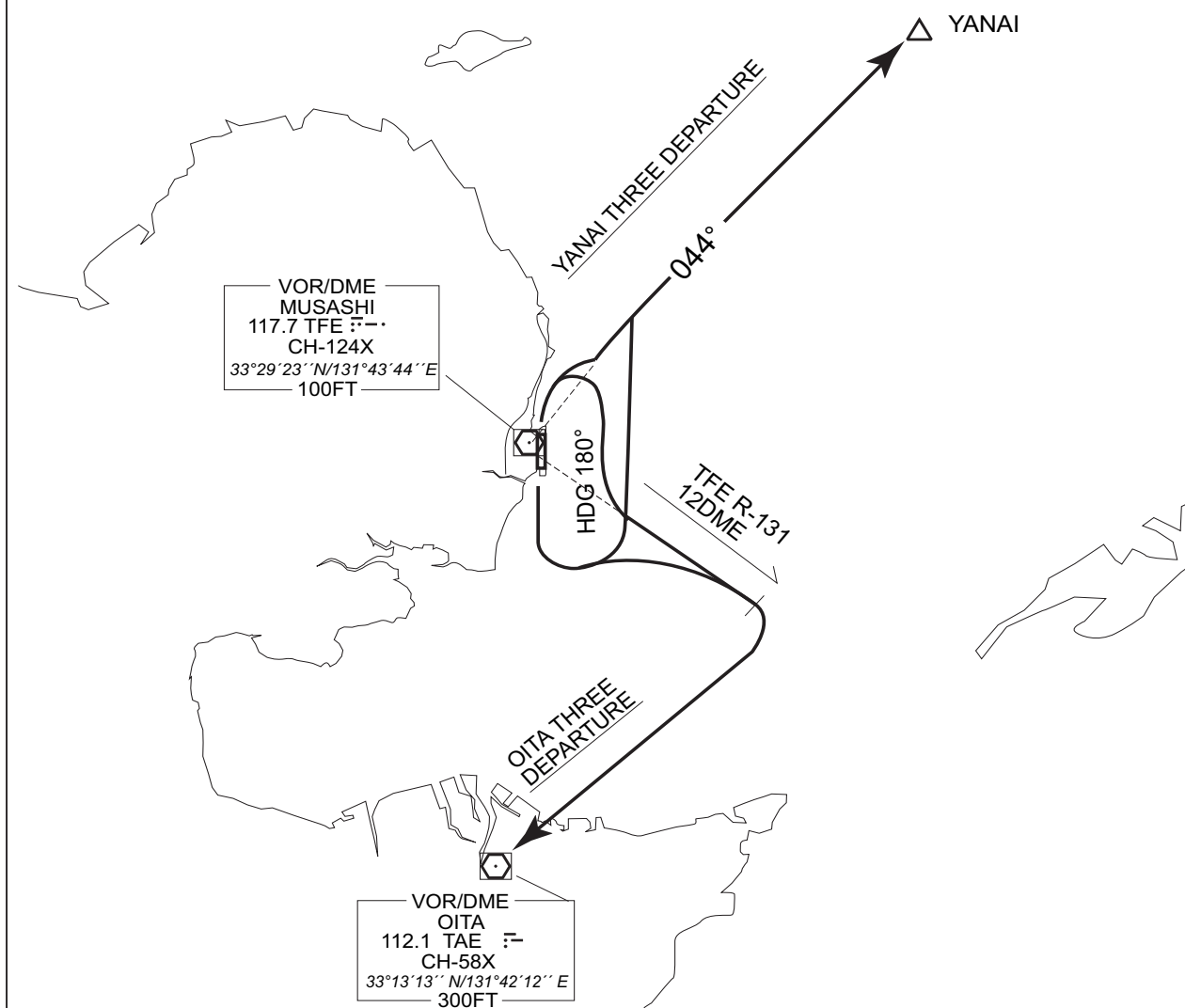
RWY 01 : Climb RWY HDG until 500FT, turn right HDG 180DEG to intercept
and proceed via TFE R131 to 12DME,...

RWY 19 : Turn left, climb via TFE R131 to 12DME,....

... turn right proceed direct to TAE VOR/DME.

Note RWY 01 : 5.0% climb gradient required up to 500FT.

OBST ALT 267FT located at 2.44NM 351° from end of RWY01.



STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

SID and TRANSITION

SATAH FOUR DEPARTURE

RWY 01 : Climb RWY HDG until 500FT, turn right HDG 180DEG to intercept and proceed via TFE R131 to SATAH.

RWY 19 : Turn left, Climb via TFE R131 to SATAH.

Note RWY 01 : 5.0% climb gradient required up to 500FT.

OBST ALT 267FT located at 2.44NM 351° from end of RWY01.

SHIMIZU TRANSITION

From over SATAH, proceed via TFE R131 to SUC VORTAC.

OITA TRANSITION

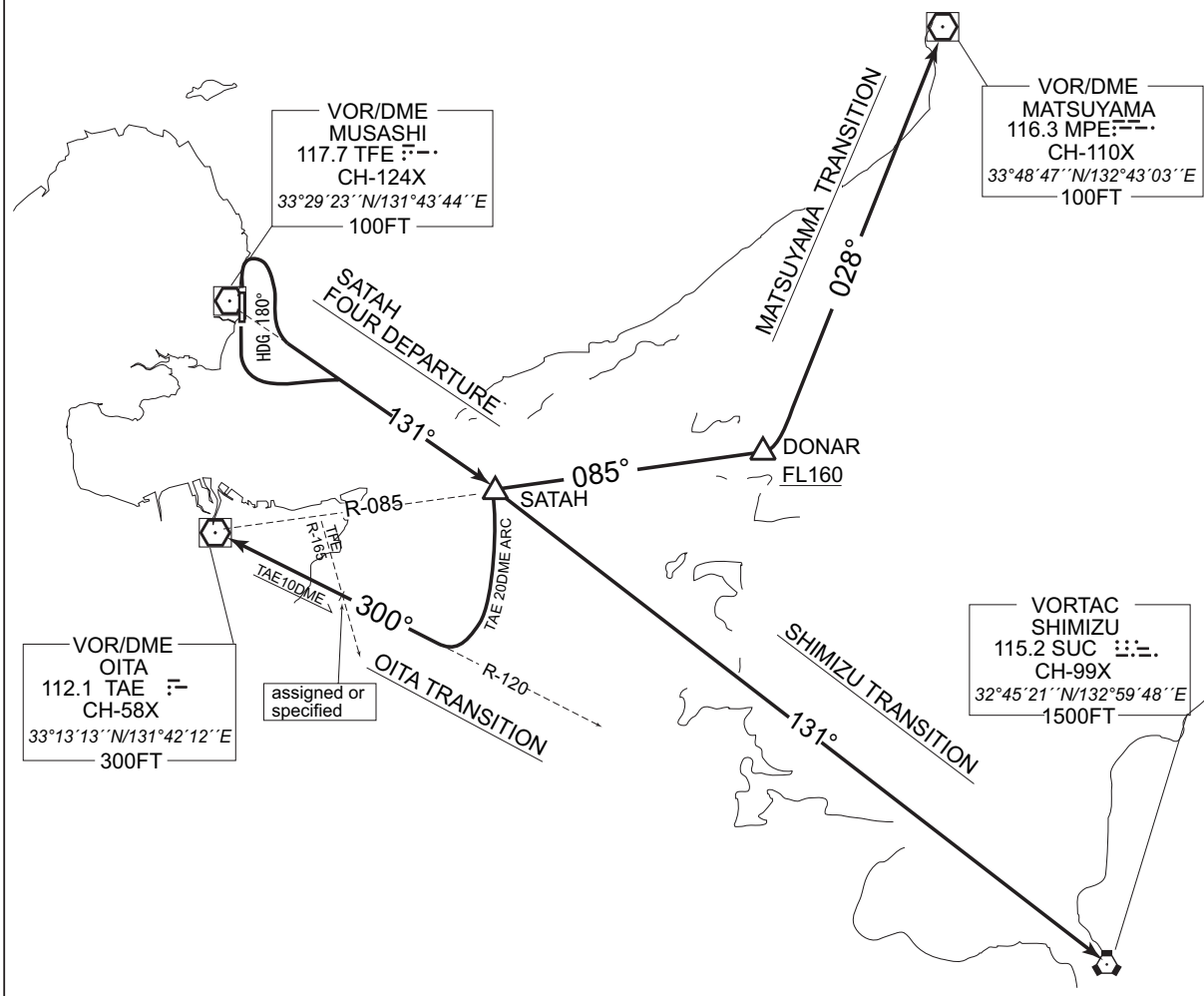
After SATAH, turn right and proceed via TAE 20DME clockwise ARC to intercept and proceed via TAE R120 to TAE VOR/DME.

Cross TAE R120/10DME (TFE R165) at assigned or specified altitude.

MATSUYAMA TRANSITION

From over SATAH, turn left and proceed via TAE R085 to DONAR, then turn left and proceed via MPE R208 to MPE VOR/DME.

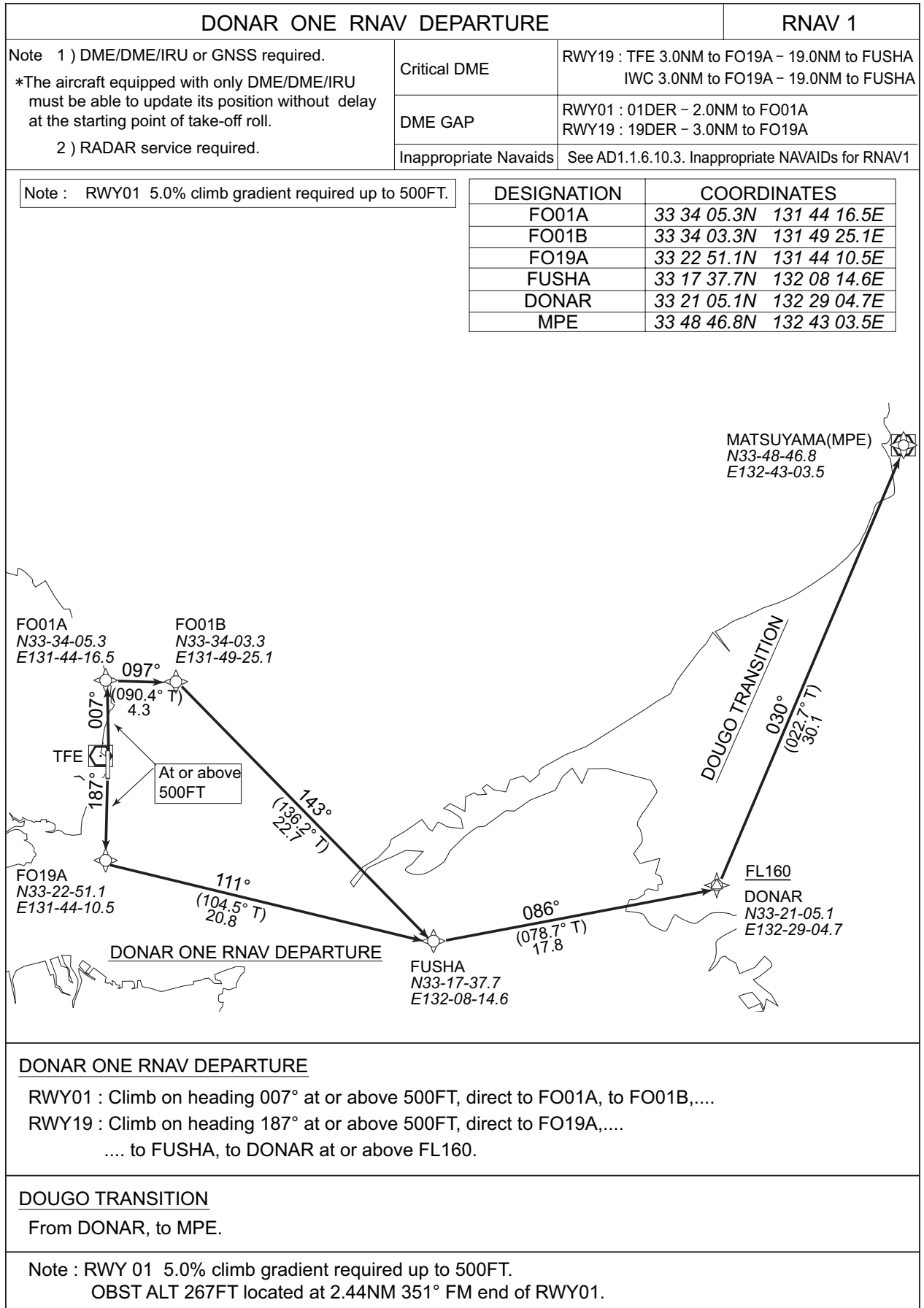
Cross DONAR at or above FL160.



STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV SID



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RJFO / OITA

RNAV SID

DONAR ONE RNAV DEPARTURE

RWY01

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	007° (000.4°)	—	500	—	—	RNAV1
DF	FO01A	—	—	—	—	—	—	—	RNAV1
TF	FO01B	—	4.3	097° (090.4°)	—	—	—	—	RNAV1
TF	FUSHA	—	22.7	143° (136.2°)	—	—	—	—	RNAV1
TF	DONAR	—	17.8	086° (078.7°)	—	+FL160	—	—	RNAV1

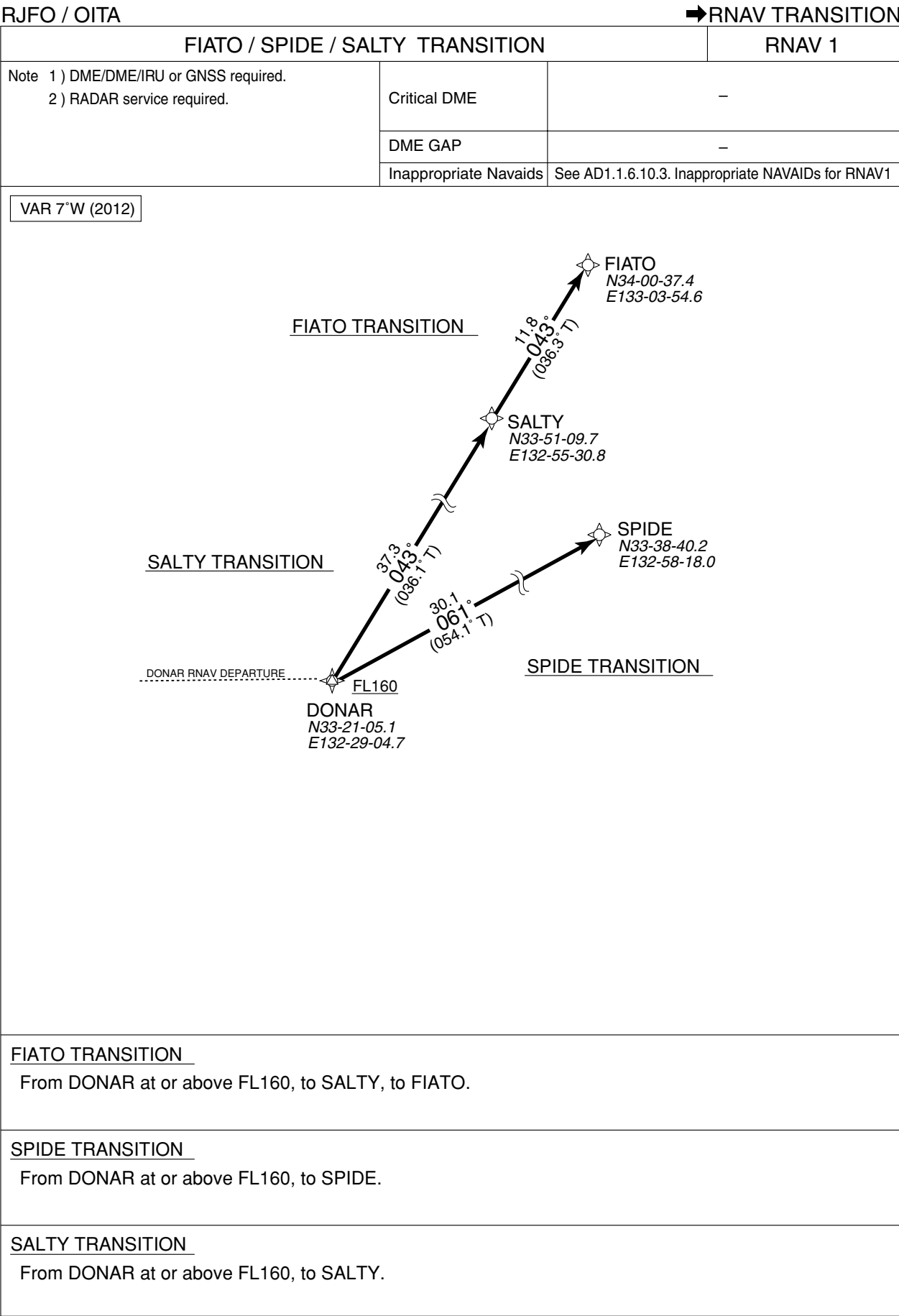
RWY19

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	187° (180.4°)	—	500	—	—	RNAV1
DF	FO19A	—	—	—	—	—	—	—	RNAV1
TF	FUSHA	—	20.8	111° (104.5°)	—	—	—	—	RNAV1
TF	DONAR	—	17.8	086° (078.7°)	—	+FL160	—	—	RNAV1

DOUGO TRANSITION

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	DONAR	—	—	—	—	+FL160	—	—	RNAV1
TF	MPE	—	30.1	030° (022.7°)	—	—	—	—	RNAV1

STANDARD DEPARTURE CHART - INSTRUMENT



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RJFO / OITA

➡ RNAV TRANSITION

FIATO TRANSITION

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	DONAR	—	—	—	—	+FL160	—	—	RNAV1
TF	SALTY	—	37.3	043° (036.1°)	—	—	—	—	RNAV1
TF	FIATO	—	11.8	043° (036.3°)	—	—	—	—	RNAV1

SPIDE TRANSITION

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	DONAR	—	—	—	—	+FL160	—	—	RNAV1
TF	SPIDE	—	30.1	061° (054.1°)	—	—	—	—	RNAV1

SALTY TRANSITION

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	DONAR	—	—	—	—	+FL160	—	—	RNAV1
TF	SALTY	—	37.3	043° (036.1°)	—	—	—	—	RNAV1

STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV SID

ASHIZURI ONE RNAV DEPARTURE

RNAV 1

Note 1) DME/DME/IRU or GNSS required.
※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll.
2) RADAR service required.

Critical DME

RWY19 : TFE 3.0NM to FO19A ~ 71.7NM to SUC
IWC 3.0NM to FO19A ~ 71.7NM to SUC

DME GAP

RWY01 : 01DER ~ 2.0NM to FO01A
RWY19 : 19DER ~ 3.0NM to FO19A

Inappropriate NavAids

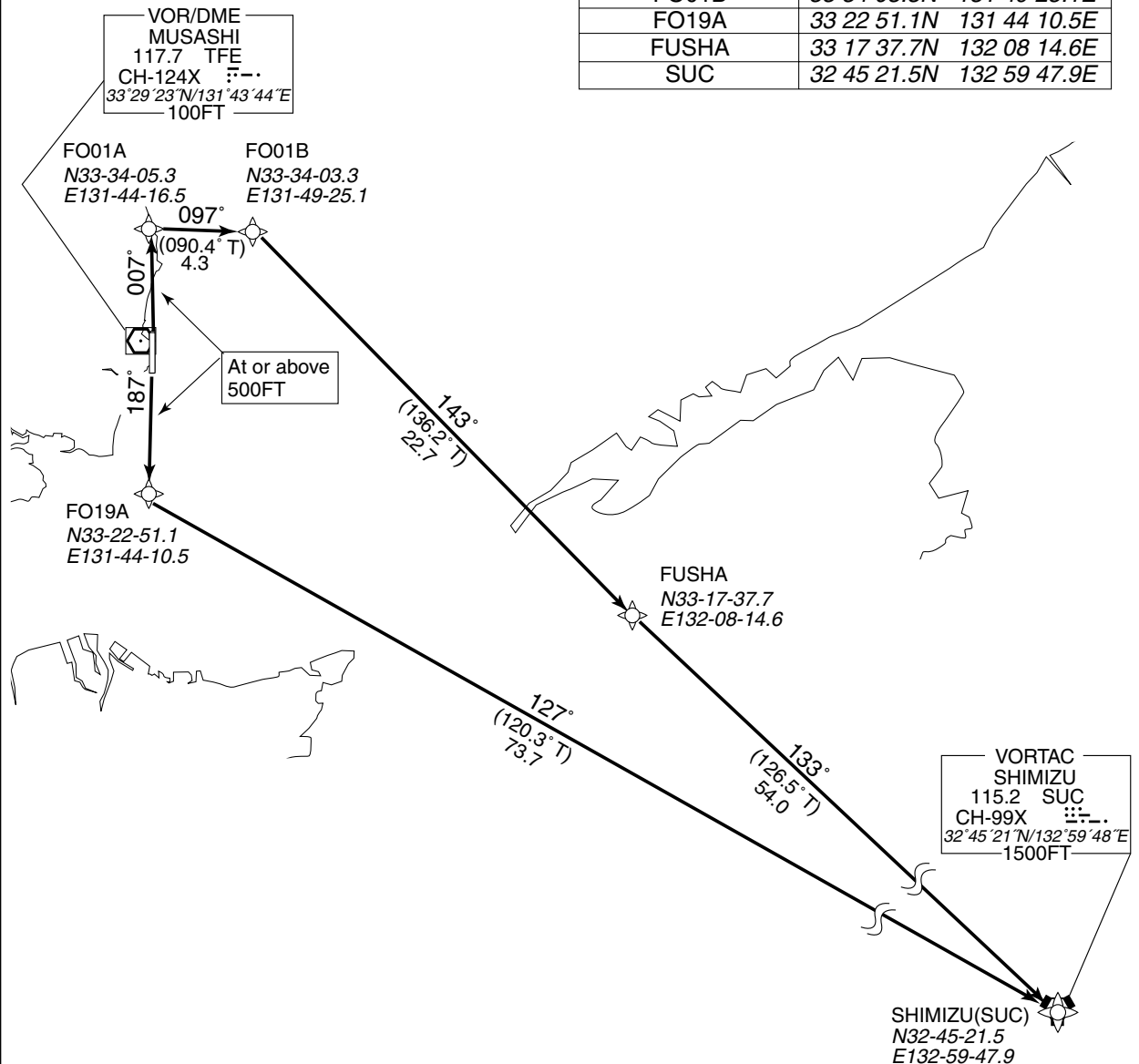
See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

Note : RWY01 5.0% climb gradient required up to 500FT.

DESIGNATION

COORDINATES

FO01A	33 34 05.3N 131 44 16.5E
FO01B	33 34 03.3N 131 49 25.1E
FO19A	33 22 51.1N 131 44 10.5E
FUSHA	33 17 37.7N 132 08 14.6E
SUC	32 45 21.5N 132 59 47.9E



ASHIZURI ONE RNAV DEPARTURE

RWY01 : Climb on heading 007° at or above 500FT, direct to FO01A, to FO01B, to FUSHA to SUC.

RWY19 : Climb on heading 187° at or above 500FT, direct to FO19A, to SUC.

Note : RWY 01 5.0% climb gradient required up to 500FT.

OBST ALT 267FT located at 2.44NM 351° FM end of RWY01.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV SID

ASHIZURI ONE RNAV DEPARTURE

RWY01

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	007° (000.4°)	—	500	—	—	RNAV1
DF	FO01A	—	—	—	—	—	—	—	RNAV1
TF	FO01B	—	4.3	097° (090.4°)	—	—	—	—	RNAV1
TF	FUSHA	—	22.7	143° (136.2°)	—	—	—	—	RNAV1
TF	SUC	—	54.0	133° (126.5°)	—	—	—	—	RNAV1

RWY19

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	187° (180.4°)	—	500	—	—	RNAV1
DF	FO19A	—	—	—	—	—	—	—	RNAV1
TF	SUC	—	73.7	127° (120.3°)	—	—	—	—	RNAV1

STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV SID

TOYO ONE RNAV DEPARTURE

RNAV 1

Note 1) DME/DME/IRU or GNSS required.
※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll.
2) RADAR service required.

Critical DME

RWY19 : TFE 3.0NM to FO19A ~ 8.0NM to TAE
IWC 3.0NM to FO19A ~ 8.0NM to TAE
MPE 8.0NM to TAE ~ 5.0NM to TAE

DME GAP

RWY01 : 01DER ~ 2.0NM to FO01A

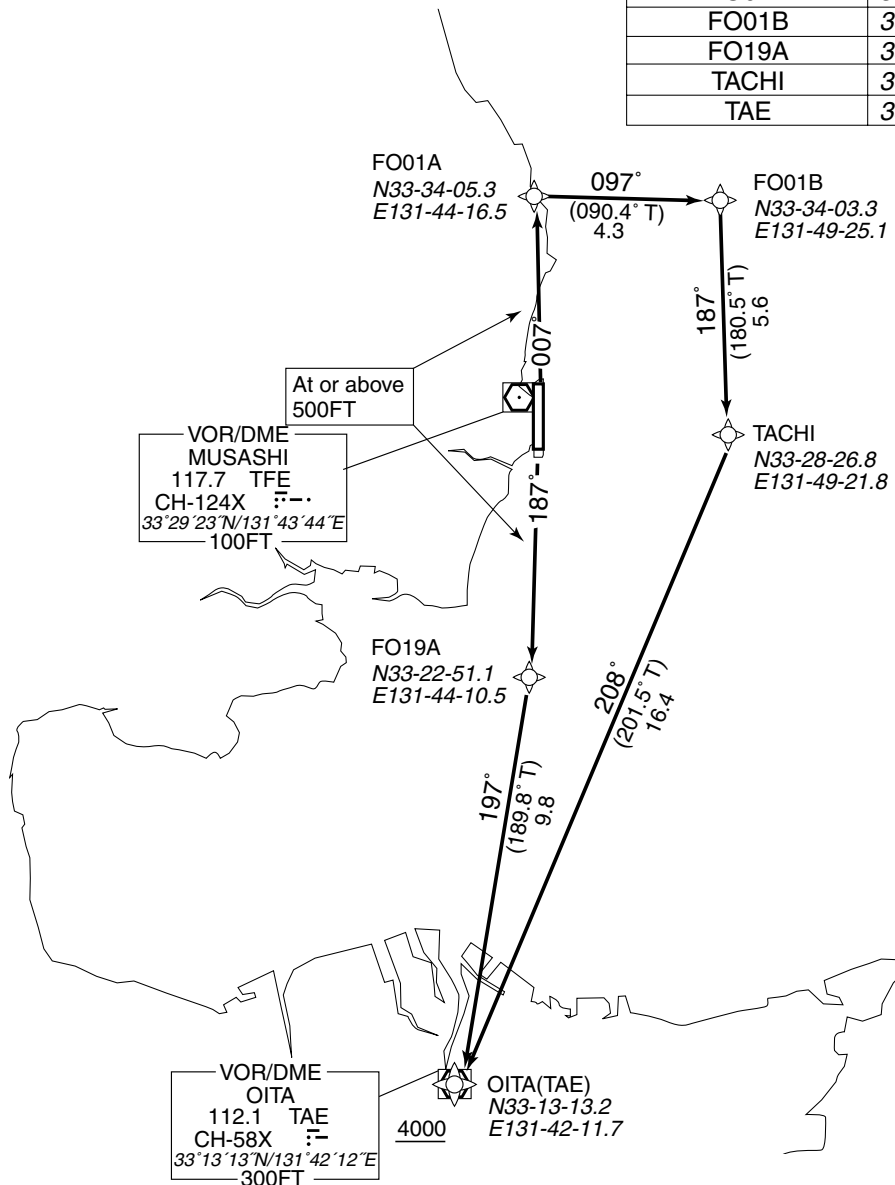
RWY19 : 19DER ~ 3.0NM to FO19A

Inappropriate Navaids

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

Note : RWY01 5.0% climb gradient required up to 500FT.

DESIGNATION	COORDINATES
FO01A	33 34 05.3N 131 44 16.5E
FO01B	33 34 03.3N 131 49 25.1E
FO19A	33 22 51.1N 131 44 10.5E
TACHI	33 28 26.8N 131 49 21.8E
TAE	33 13 13.2N 131 42 11.7E



TOYO ONE RNAV DEPARTURE

RWY01 : Climb on heading 007° at or above 500FT, direct to FO01A, to FO01B, to TACHI,....

RWY19 : Climb on heading 187° at or above 500FT, direct to FO19A,....
....to TAE at or above 4000FT.Note : RWY 01 5.0% climb gradient required up to 500FT.
OBST ALT 267FT located at 2.44NM 351° FM end of RWY01.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV SID

TOYO ONE RNAV DEPARTURE

RWY01

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	007° (000.4°)	—	500	—	—	RNAV1
DF	FO01A	—	—	—	—	—	—	—	RNAV1
TF	FO01B	—	4.3	097° (090.4°)	—	—	—	—	RNAV1
TF	TACHI	—	5.6	187° (180.5°)	—	—	—	—	RNAV1
TF	TAE	—	16.4	208° (201.5°)	—	+4000	—	—	RNAV1

RWY19

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	187° (180.4°)	—	500	—	—	RNAV1
DF	FO19A	—	—	—	—	—	—	—	RNAV1
TF	TAE	—	9.8	197° (189.8°)	—	+4000	—	—	RNAV1

STANDARD DEPARTURE CHART- INSTRUMENT

RJFO / OITA

RNAV SID

EBOSHI ONE RNAV DEPARTURE

RNAV 1

Note 1) DME/DME/IRU or GNSS required.
※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll.
2) RADAR service required.

Critical DME

RWY19 : TFE 3.0NM to FO19A ~ 2.0NM to FO19B
IWC 3.0NM to FO19A ~ 2.0NM to FO19B

DME GAP

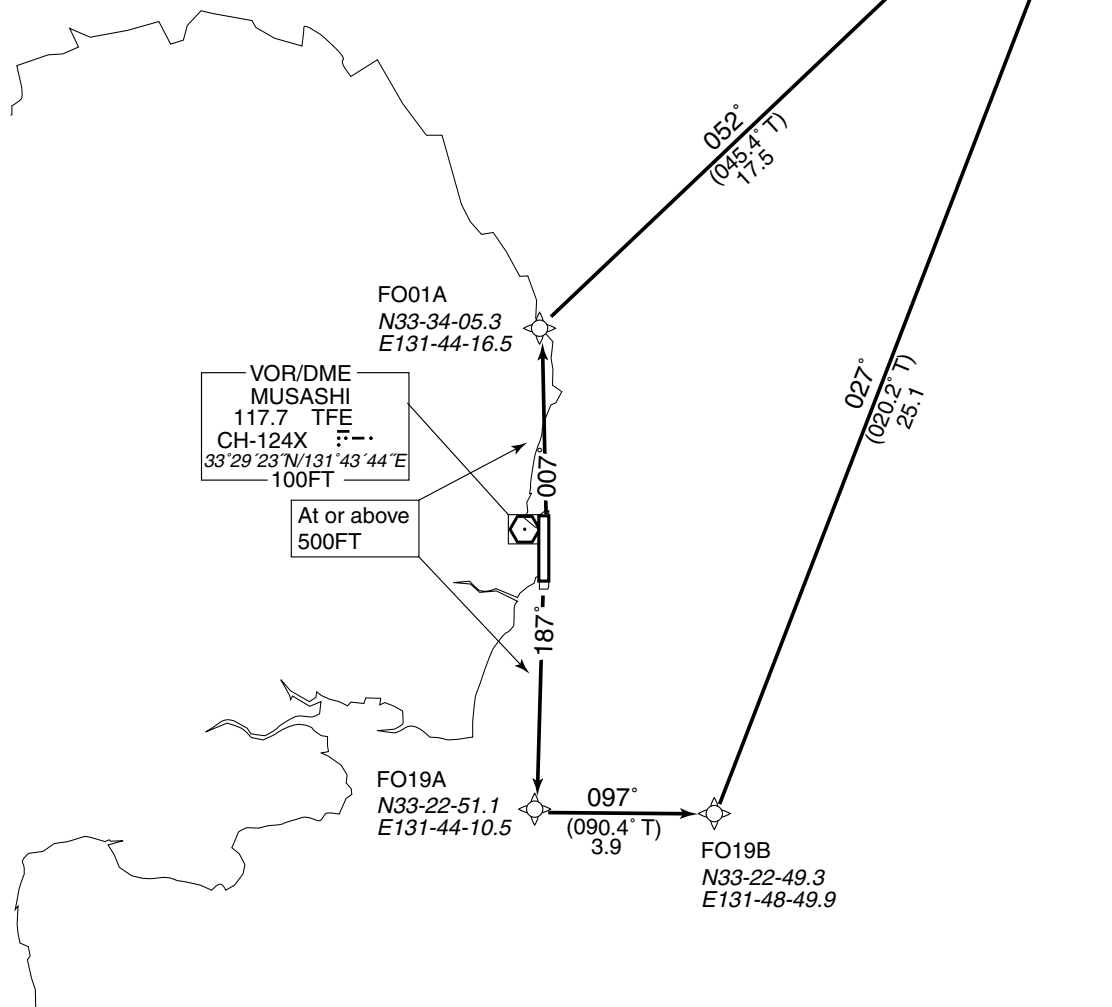
RWY01 : 01DER ~ 2.0NM to FO01A
RWY19 : 19DER ~ 3.0NM to FO19A

Inappropriate Navaids

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

Note : RWY01 5.0% climb gradient required up to 500FT.

DESIGNATION	COORDINATES
FO01A	33 34 05.3N 131 44 16.5E
FO19A	33 22 51.1N 131 44 10.5E
FO19B	33 22 49.3N 131 48 49.9E
YANAI	33 46 22.9N 131 59 17.1E



EBOSHI ONE RNAV DEPARTURE

RWY01 : Climb on heading 007° at or above 500FT, direct to FO01A, to YANAI.

RWY19 : Climb on heading 187° at or above 500FT, direct to FO19A, to FO19B, to YANAI.

Note : RWY 01 5.0% climb gradient required up to 500FT.
OBST ALT 267FT located at 2.44NM 351° FM end of RWY01.

STANDARD DEPARTURE CHART- INSTRUMENT

RJFO / OITA

RNAV SID

EBOSHI ONE RNAV DEPARTURE

RWY01

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	007° (000.4°)	—	500	—	—	RNAV1
DF	FO01A	—	—	—	—	—	—	—	RNAV1
TF	YANAI	—	17.5	052° (045.4°)	—	—	—	—	RNAV1

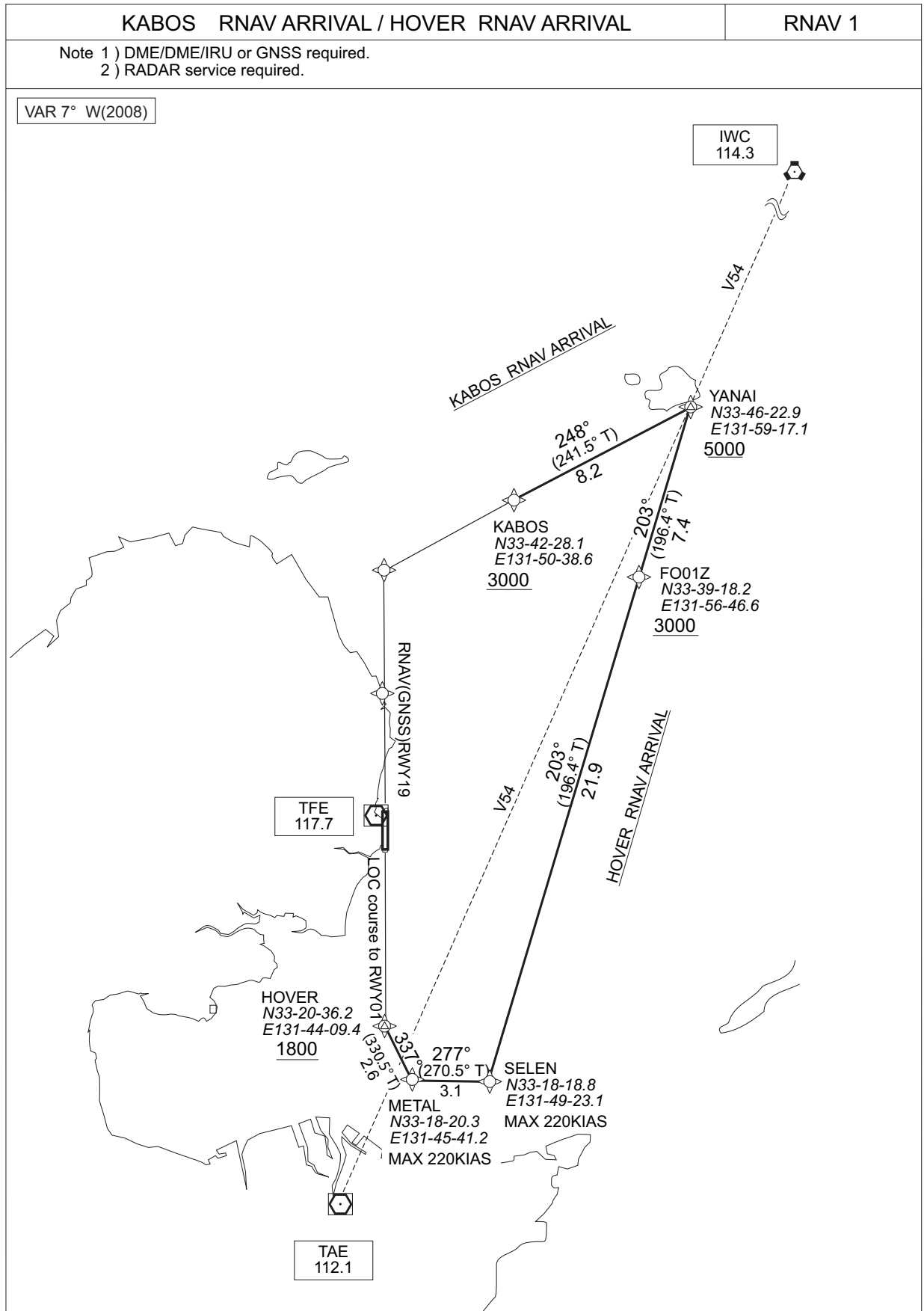
RWY19

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	187° (180.4°)	—	500	—	—	RNAV1
DF	FO19A	—	—	—	—	—	—	—	RNAV1
TF	FO19B	—	3.9	097° (090.4°)	—	—	—	—	RNAV1
TF	YANAI	—	25.1	027° (020.2°)	—	—	—	—	RNAV1

STANDARD ARRIVAL CHART- INSTRUMENT

RJFO / OITA

RNAV STAR
RWY01/19



STANDARD ARRIVAL CHART - INSTRUMENT

RJFO / OITA

RNAV STAR
RWY01/19KABOS RNAV ARRIVAL

From YANAI at or above 5000FT, to KABOS at or above 3000FT.

FIX	DESIGNATION	COORDINATES
	YANAI	334622.9N 1315917.1E
	KABOS	334228.1N 1315038.6E
Critical DME	—	
DME GAP	—	
Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	YANAI	—	—	—	—	+5000	—	—	RNAV1
TF	KABOS	—	8.2	248° (241.5°)	—	+3000	—	—	RNAV1

HOVER RNAV ARRIVAL

From YANAI at or above 5000FT, to FO01Z at or above 3000FT, to SELEN, to METAL, to HOVER at or above 1800FT.

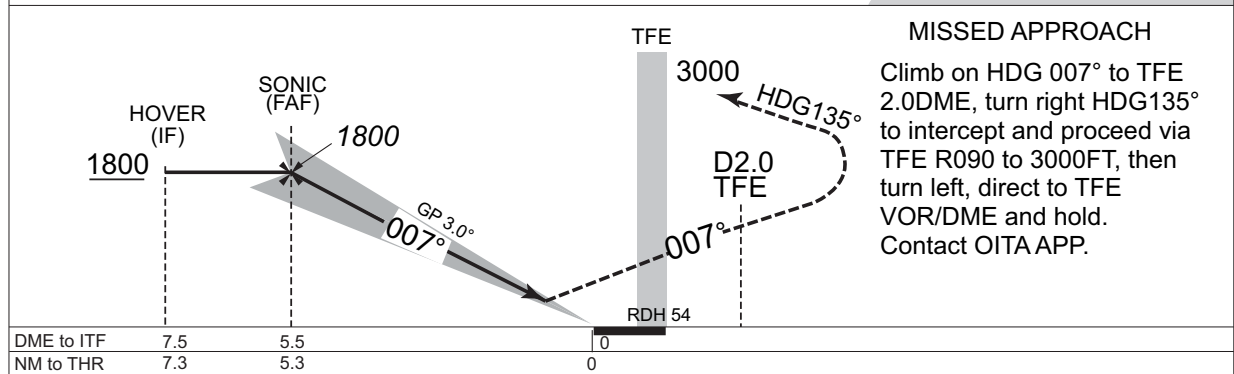
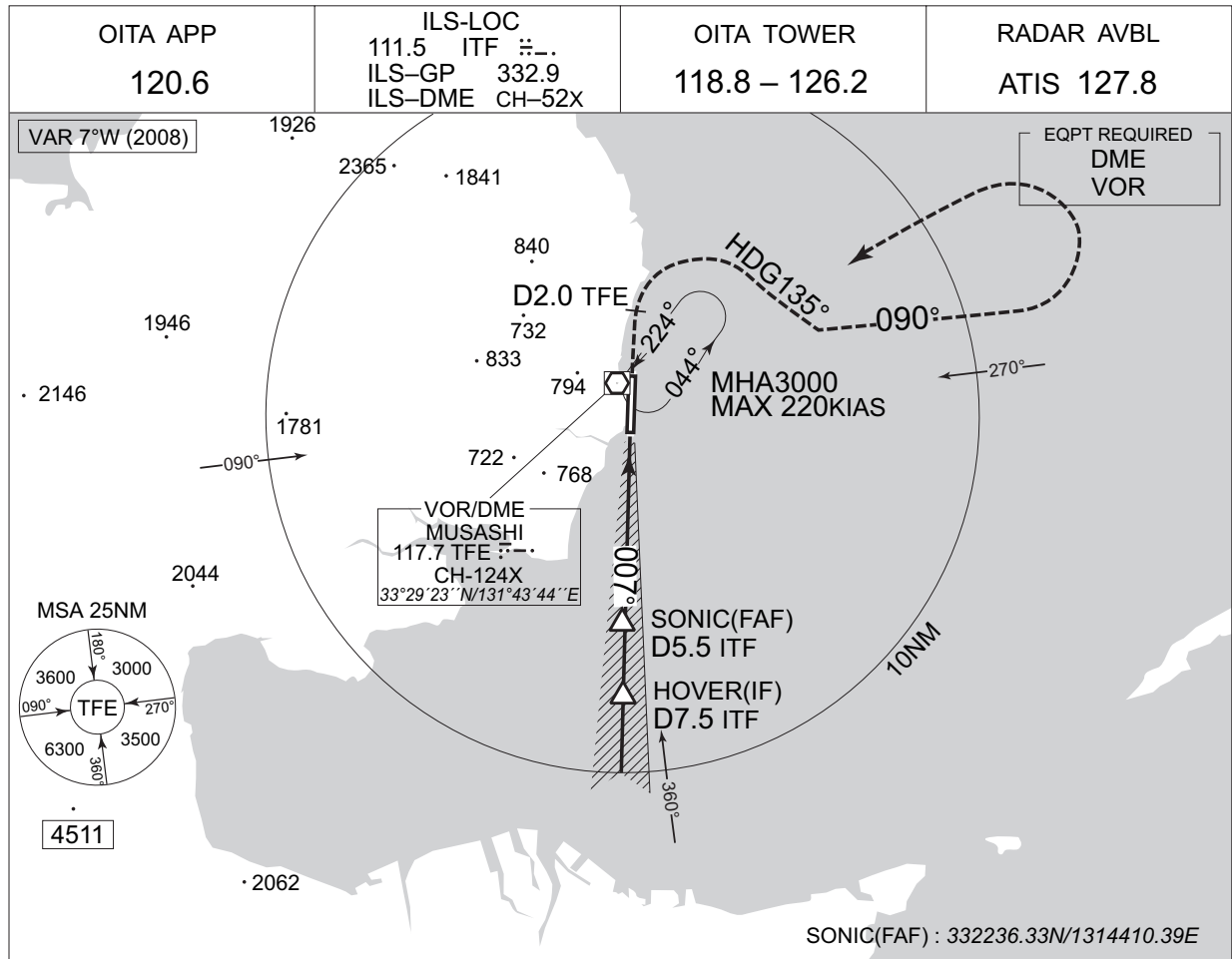
FIX	DESIGNATION	COORDINATES
	YANAI	334622.9N 1315917.1E
	FO01Z	333918.2N 1315646.6E
	SELEN	331818.8N 1314923.1E
	METAL	331820.3N 1314541.2E
	HOVER	332036.2N 1314409.4E
Critical DME	—	
DME GAP	—	
Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	YANAI	—	—	—	—	+5000	—	—	RNAV1
TF	FO01Z	—	7.4	203° (196.4°)	—	+3000	—	—	RNAV1
TF	SELEN	—	21.9	203° (196.4°)	—	—	220	—	RNAV1
TF	METAL	—	3.1	277° (270.5°)	—	—	220	—	RNAV1
TF	HOVER	—	2.6	337° (330.5°)	—	+1800	—	—	RNAV1

INSTRUMENT APPROACH CHART

RJFO / OITA

ILS Z RWY 01



Missed APCH climb gradient MNM 4.0%.

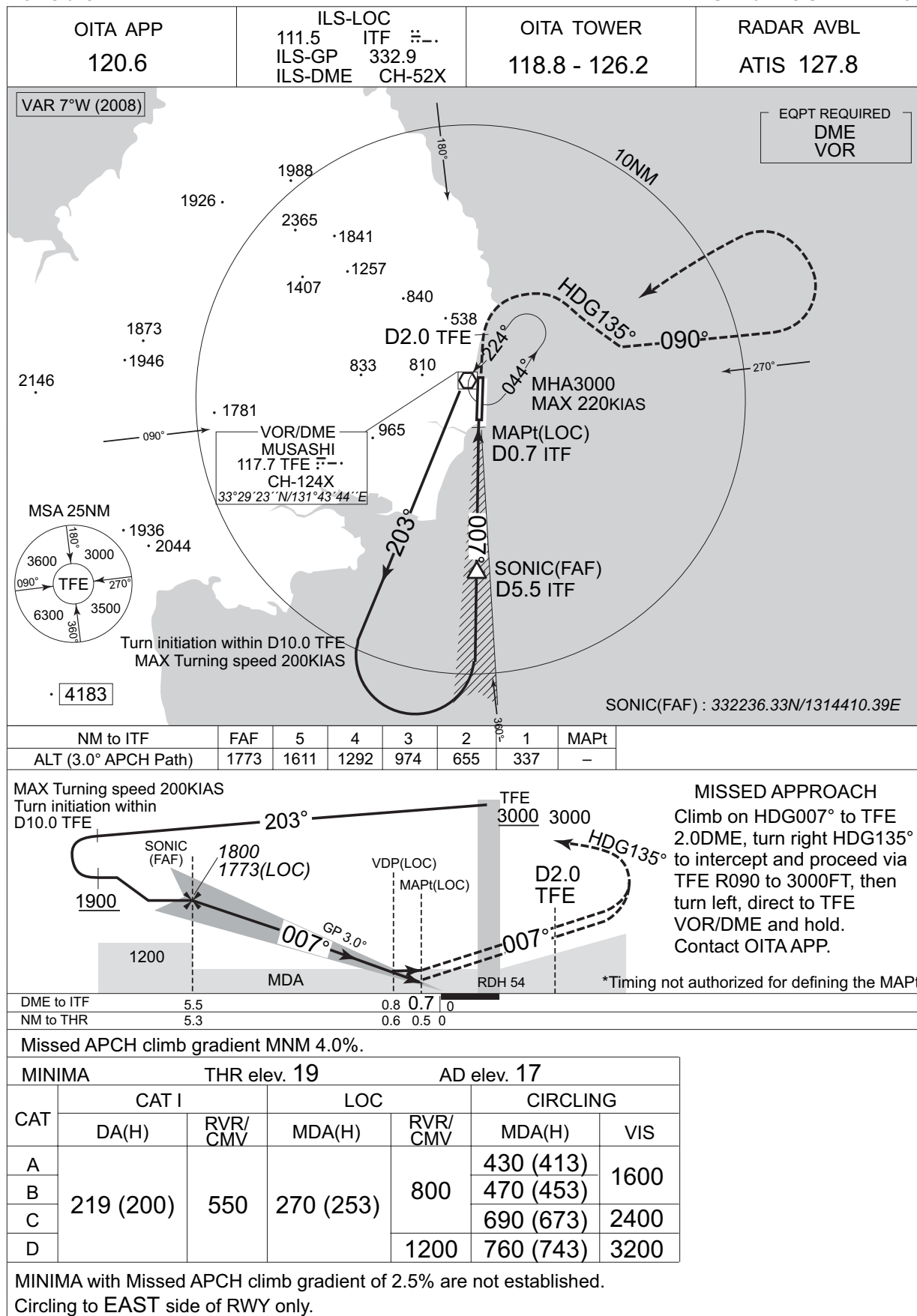
MINIMA		THR elev. 19	AD elev. 17	
CAT	CAT I		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	VIS
A	219 (200)	550	430 (413)	1600
B			470 (453)	
C			690 (673)	2400
D			760 (743)	

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

INSTRUMENT APPROACH CHART

RJFO / OITA

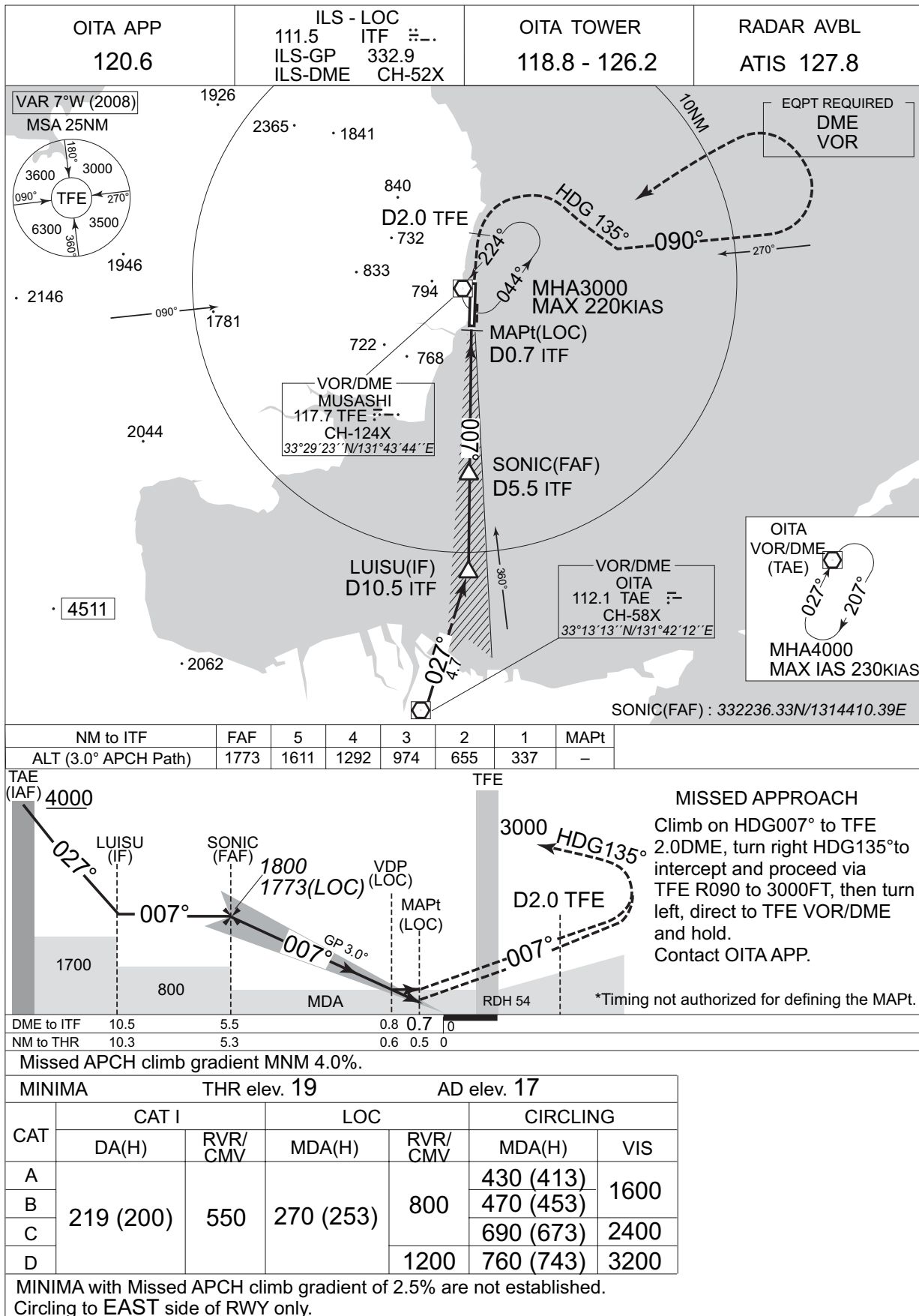
ILS Y or LOC Y RWY 01



INSTRUMENT APPROACH CHART

RJFO / OITA

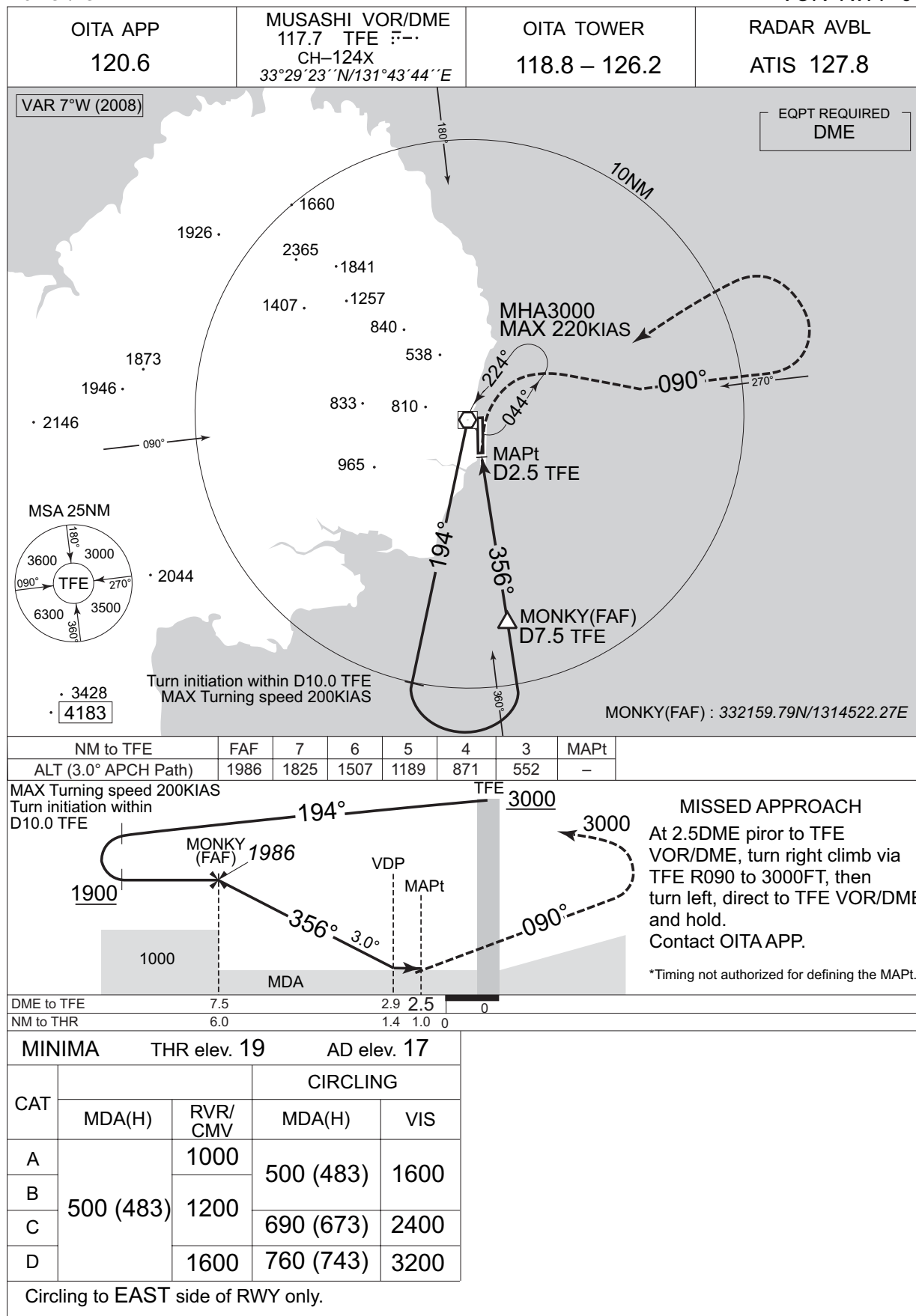
ILS X or LOC X RWY 01



INSTRUMENT APPROACH CHART

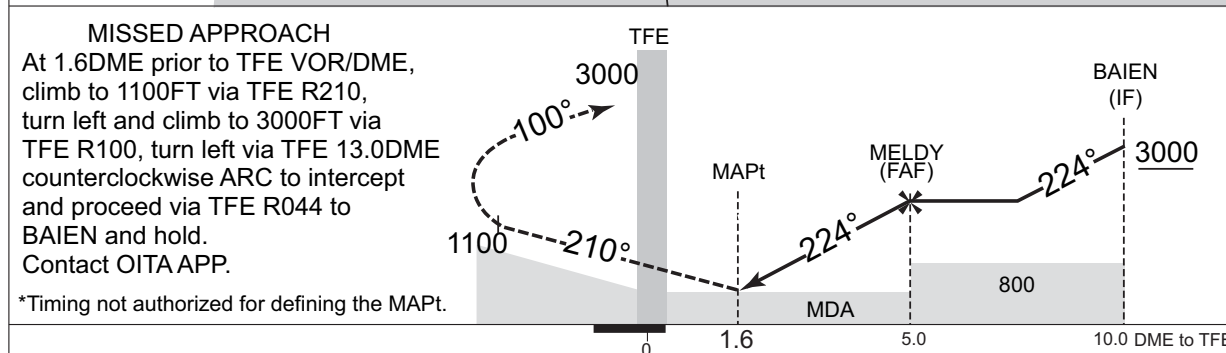
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VOR RWY 01



RJFO / OITA

VOR A



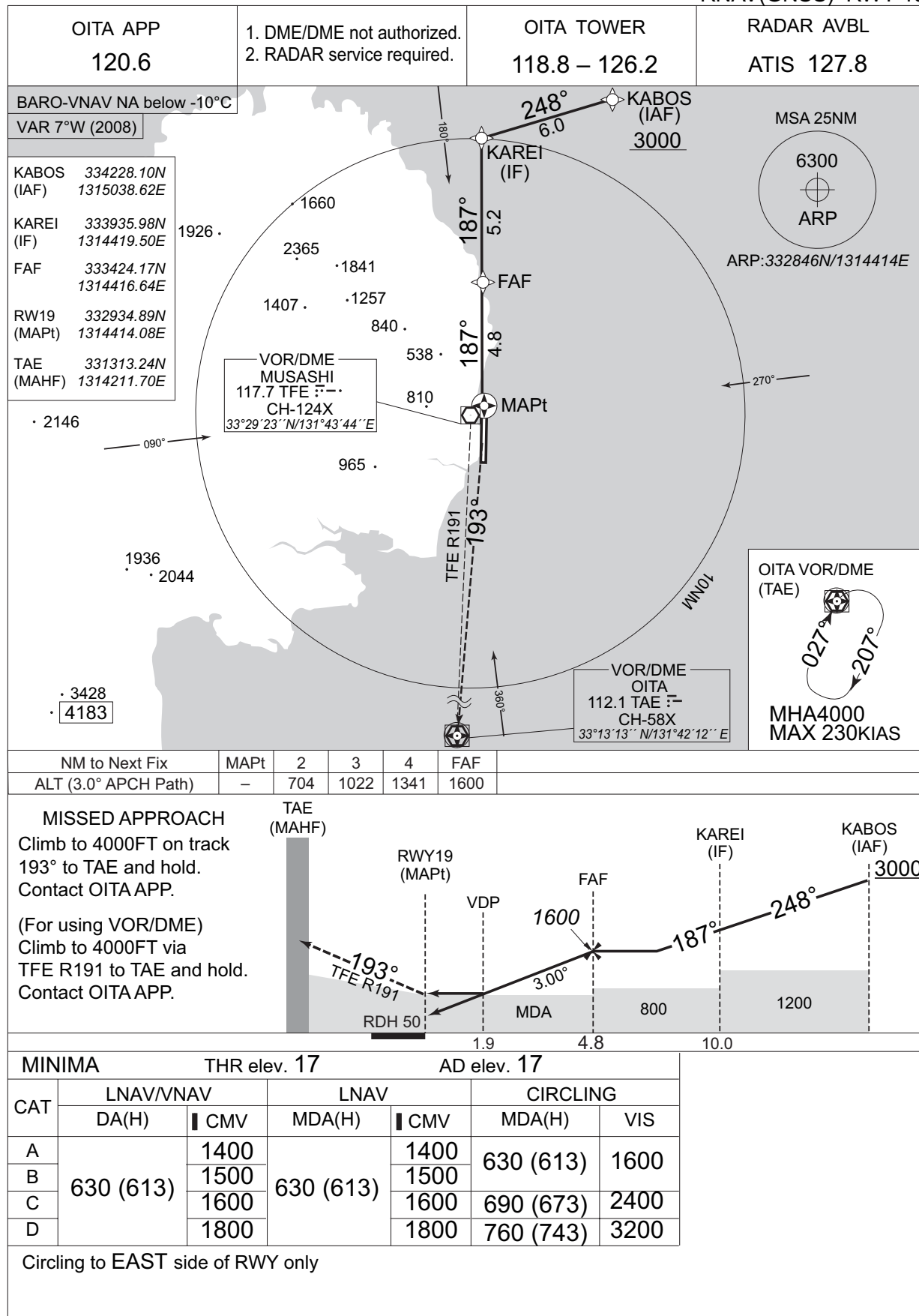
MINIMA		AD elev. 17
CAT	CIRCLING	
	MDA(H)	VIS
A	560 (543)	1600
B		
C	690 (673)	2400
D	760 (743)	3200

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

INSTRUMENT APPROACH CHART

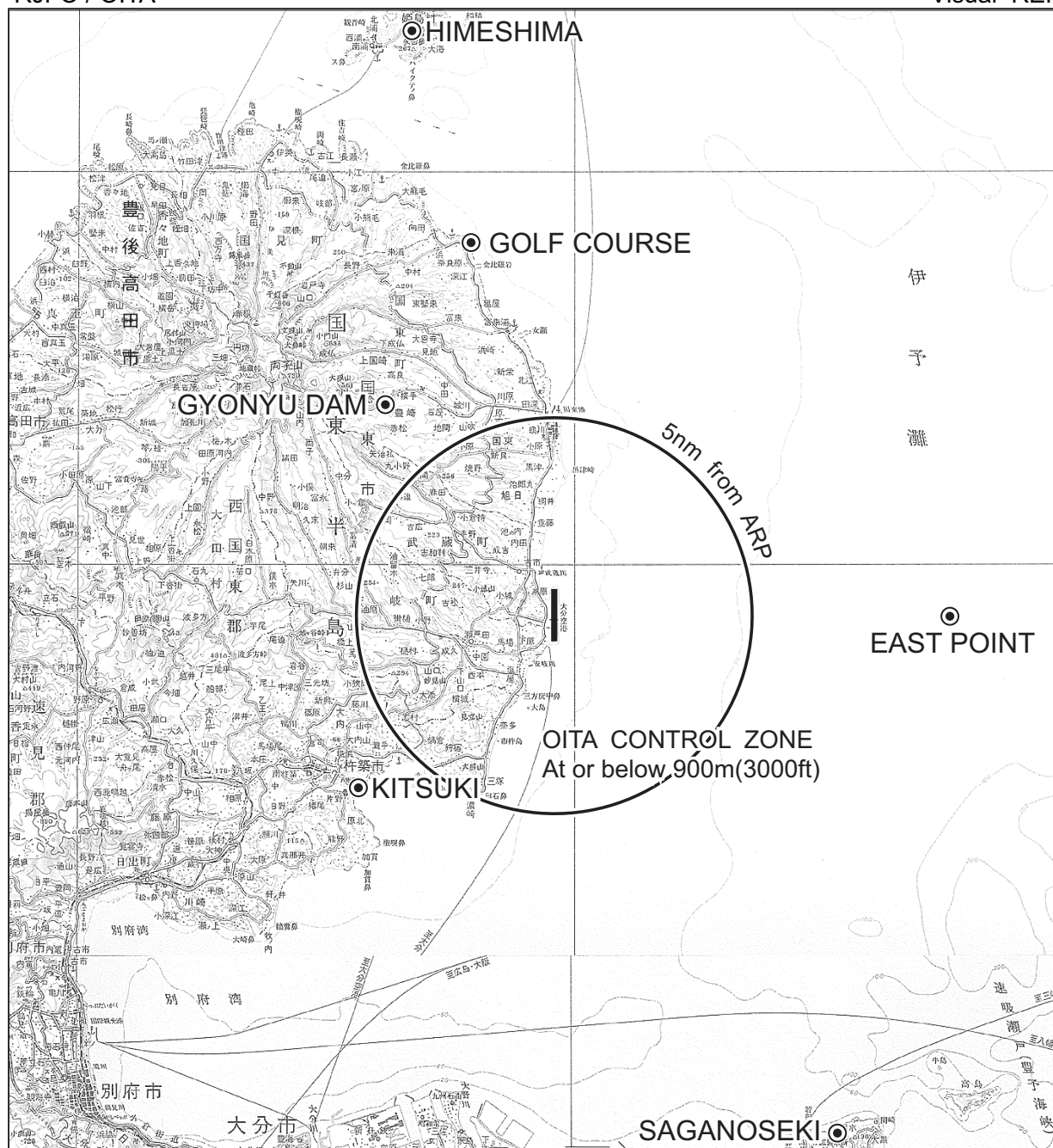
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RNAV(GNSS) RWY 19



RJFO / OITA

Visual REP

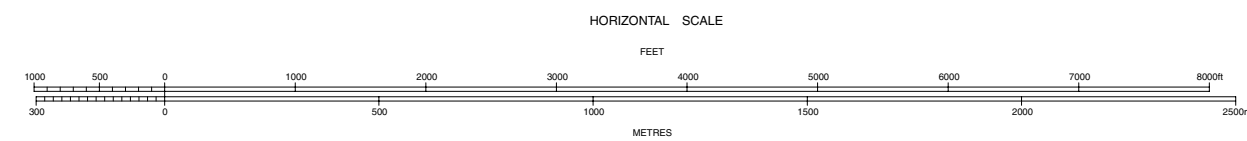
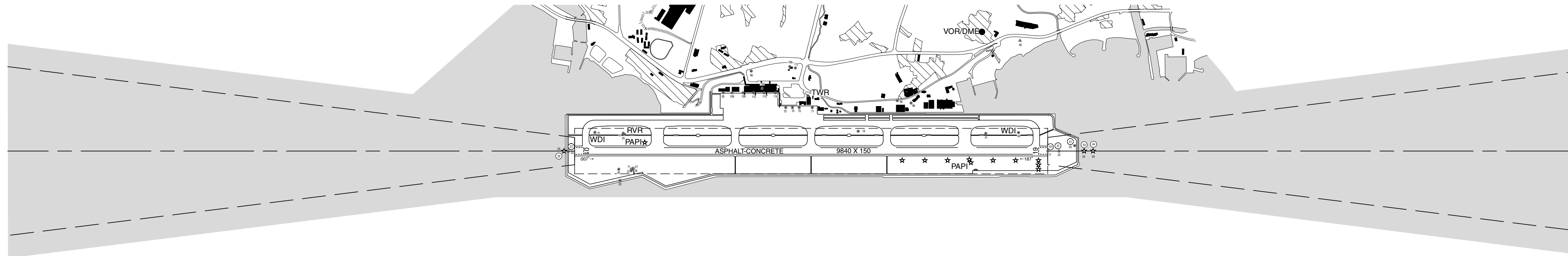
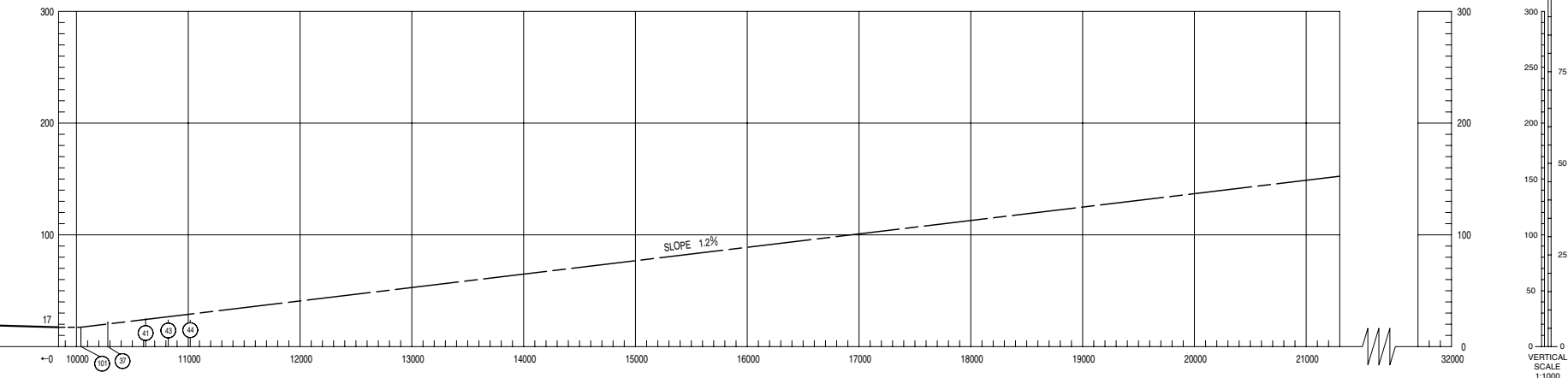


Call sign	BRG / DIST from ARP	Remarks
佐賀の関 Saganoseki	159°/15NM	精錬所煙突（２本） (Two) Chimney
杵築 Kitsuki	240°/6.8NM	八坂川河口 River-mouth (The Yasaka)
姫島 Himeshima	351°/15NM	島 Island
イーストポイント East point	090°/10NM	海上 Over the sea
ゴルフコース Golf course	351°/9.5NM	ゴルフ場 Golf course
行入ダム Gyonyu dam	326°/7NM	ダム Dam

INTENTIONALLY LEFT BLANK

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

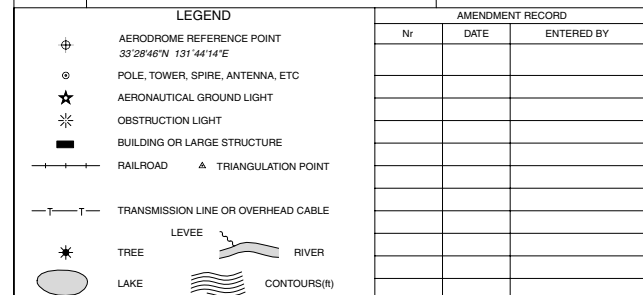
OPERATIONAL DATA		
RWY 01		RWY 19
9840	TAKE OFF RUN AVAILABLE	9840
9840	TAKE OFF DISTANCE AVAILABLE	9840
9840	ACCELERATE STOP DISTANCE AVAILABLE	9840
9840	LANDING DISTANCE AVAILABLE	9840



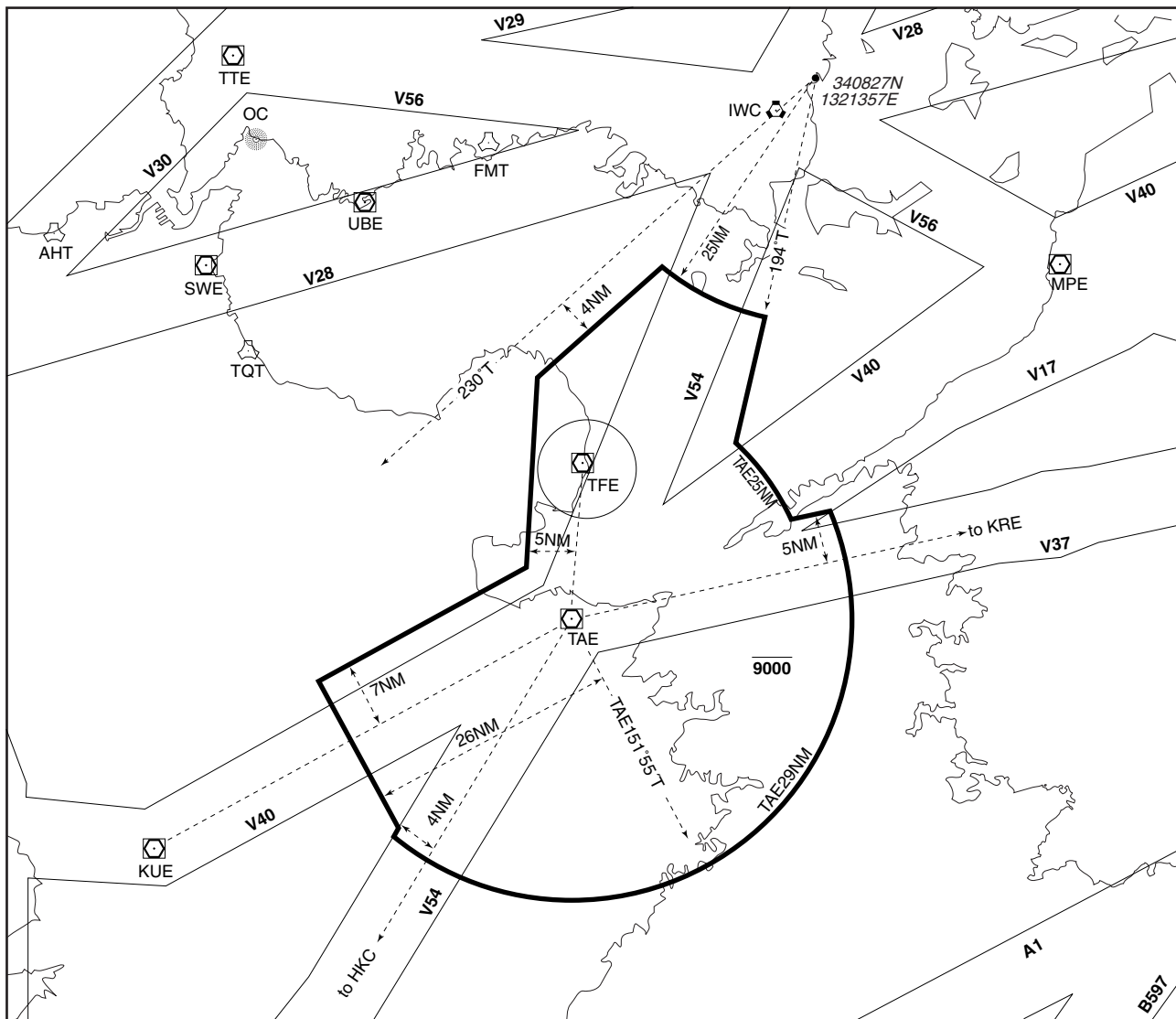
LEGEND		AMENDMENT		RECORD
		Nr	DATE	ENTERED BY
①	IDENTIFICATION NUMBER			
⊙	POLE, TOWER, SPIRE, ANTENNA, ETC			
	LEVEE			
	RIVER			
▲	TRIANGULATION POINT			
★	AERONAUTICAL GROUND LIGHT			

TYPE B

AERODROME ELEVATION 17ft ARP



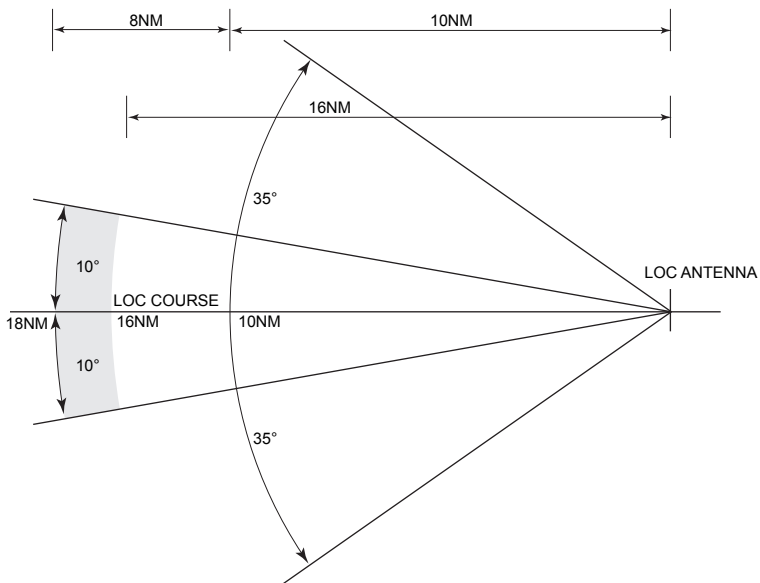
大分進入管制区
Oita Approach Control Area



The diagram illustrates the layout of the Instrument Landing System (ILS) relative to the runway (RWY). Key components and dimensions include:

- LS (Localizer):** Indicated by a dashed line extending from the runway.
- RWY (Runway):** A rectangular area at the end of the approach.
- ILS-GP ANTENNA:** Located 120m from the RWY start.
- ILS-DME ANTENNA:** Located 130m from the RWY start.
- ILS-LOC ANTENNA:** Located at the end of the RWY.
- Dimensions:**
 - 3000m: Distance from the LS to the start of the RWY.
 - 225m: Width of the RWY.
 - 315m: Distance between the GP and DME antennas.

REMARKS : 1. LOC beam BRG(MAG) 007°
2. ILS REF datum 16.5m(54ft)
3. GP angle 3.0°
4. ELEV of ILS-DME 11.5m(38ft)



LOC UNUSABLE : BEYOND 16NM.