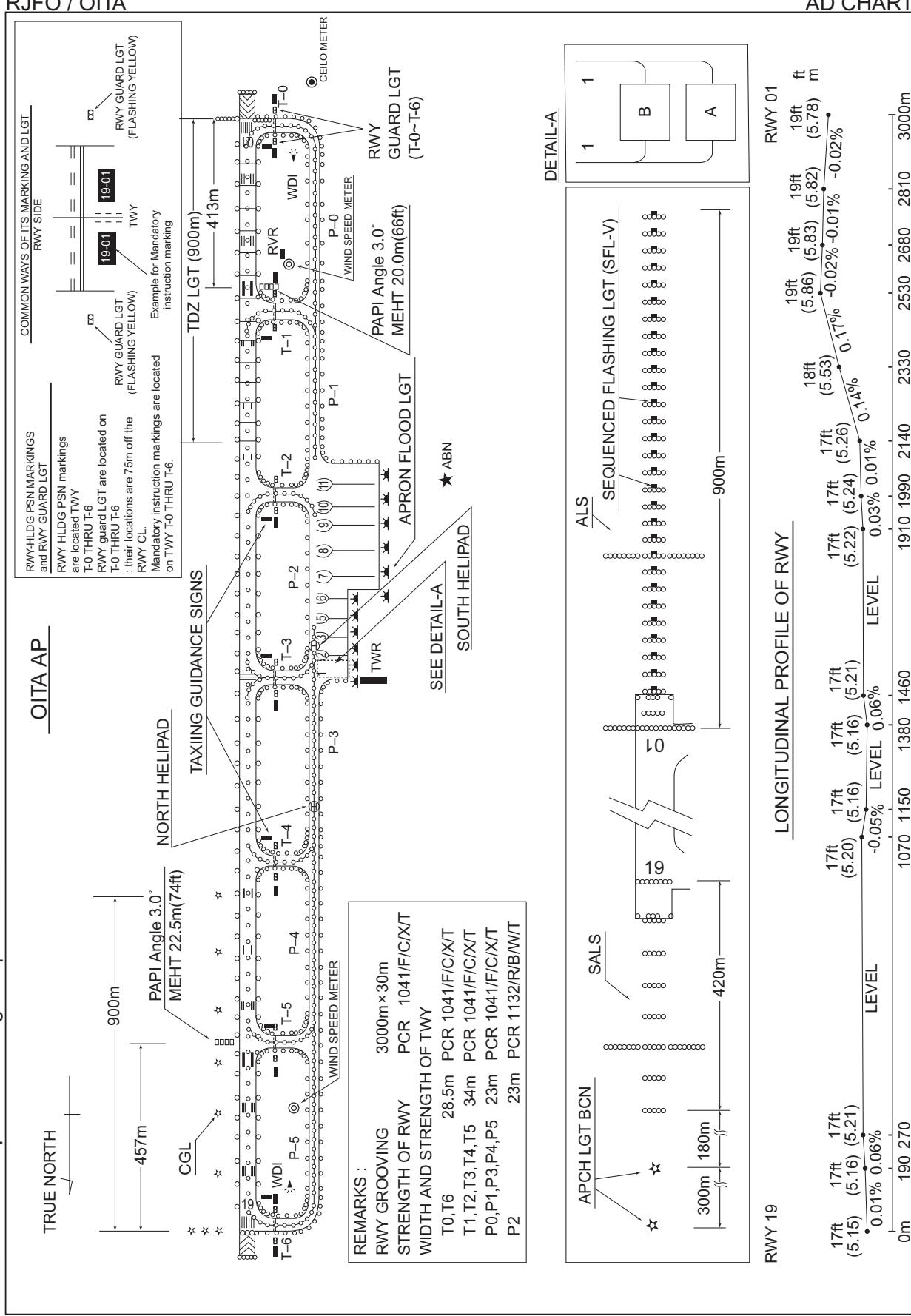


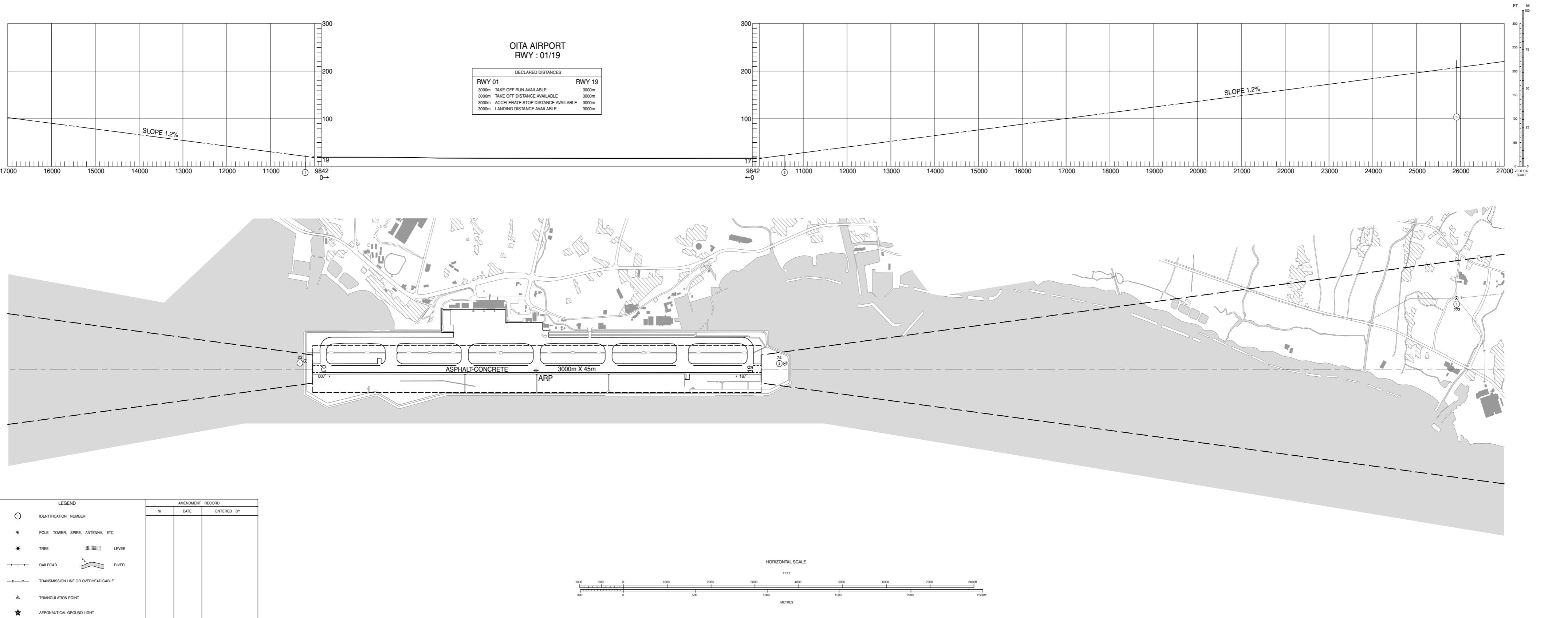
**CHANGE : Description of strength of pavement.**



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

# RODROME OBSTACLE CHART-ICAO TYPE A (OPERATING LIMITATIONS)

MAGNETIC VARIATION 7°17' W-APR 2016



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

## Transverse Mercator Projection

# AERODROME OBSTACLE CHART-ICAO TYPE B

AERODROME ELEVATION 17ft ARP



CHANGE : Update.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

SID

**MUSASHI REVERSAL TWO DEPARTURE**

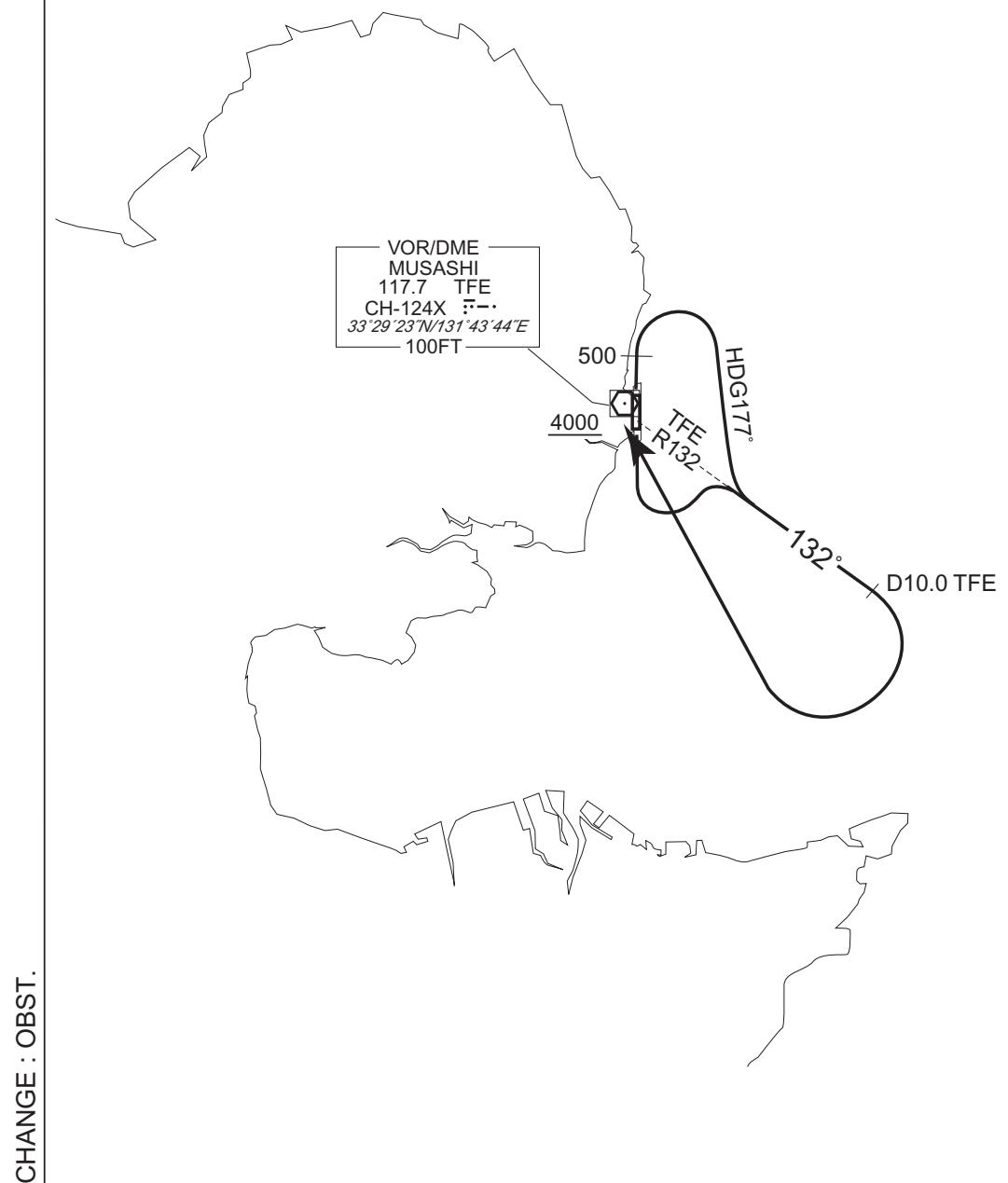
RWY01 : Climb RWY HDG to 500FT, turn right HDG177° to intercept and proceed via TFE R132 to TFE 10.0DME,...

RWY19 : Turn left, climb via TFE R132 to TFE 10.0DME,...  
...turn right, direct to TFE VOR/DME.

Cross TFE VOR/DME at or above 4000FT.

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

OBST ALT 321FT located at 2.5NM 352° FM end of RWY01.



## STANDARD DEPARTURE CHART - INSTRUMENT

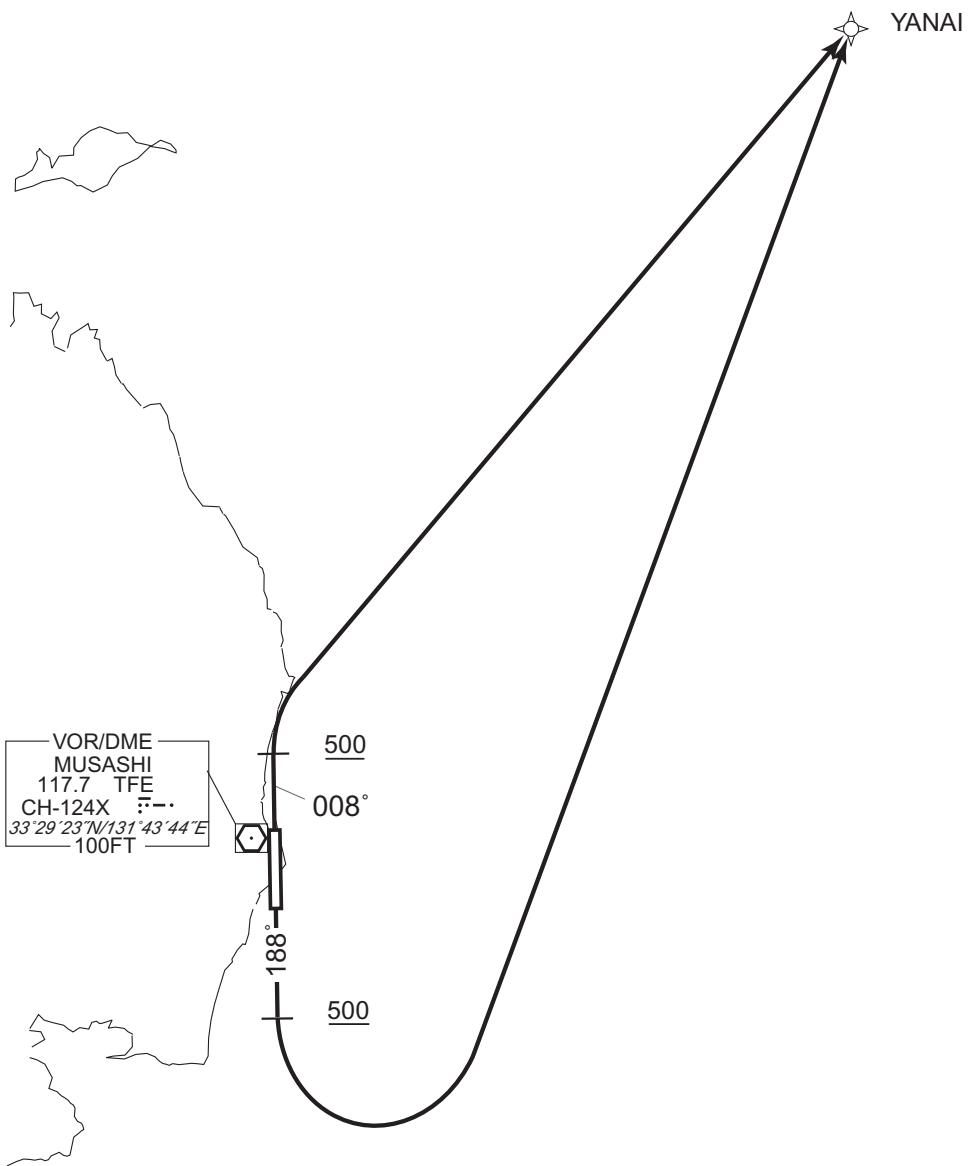
RJFO / OITA

RNAV SID

EBOSHI THREE DEPARTURE		RNAV1
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.	Critical DME	-
2 ) RADAR service required.	DME GAP	RWY01 : DER ~ 19NM to YANAI RWY19 : DER ~ 26NM to YANAI
Inappropriate Navaids		See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8°W

CHANGE : PROC renamed. VAR. PROC course. OBST.



RWY01 : Climb on HDG008° at or above 500FT, turn right direct to YANAI.

RWY19 : Climb on HDG188° at or above 500FT, turn left direct to YANAI.

Note RWY01 : 5.0% climb gradient required up to 500FT.  
OBST ALT 321FT located at 2.5NM 352° FM end of RWY01.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV SID

EBOSHI THREE DEPARTURE

## RWY01

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	—	—	008 (000.4)	-8.0	—	—	+500	—	—	RNAV1
002	DF	YANAI	—	—	-8.0	—	R	—	—	—	RNAV1

## RWY19

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	—	—	188 (180.4)	-8.0	—	—	+500	—	—	RNAV1
002	DF	YANAI	—	—	-8.0	—	L	—	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates
YANAI	334622.9N / 1315917.1E

CHANGE : PROC renamed. PROC course. Waypoint Coordinates added.

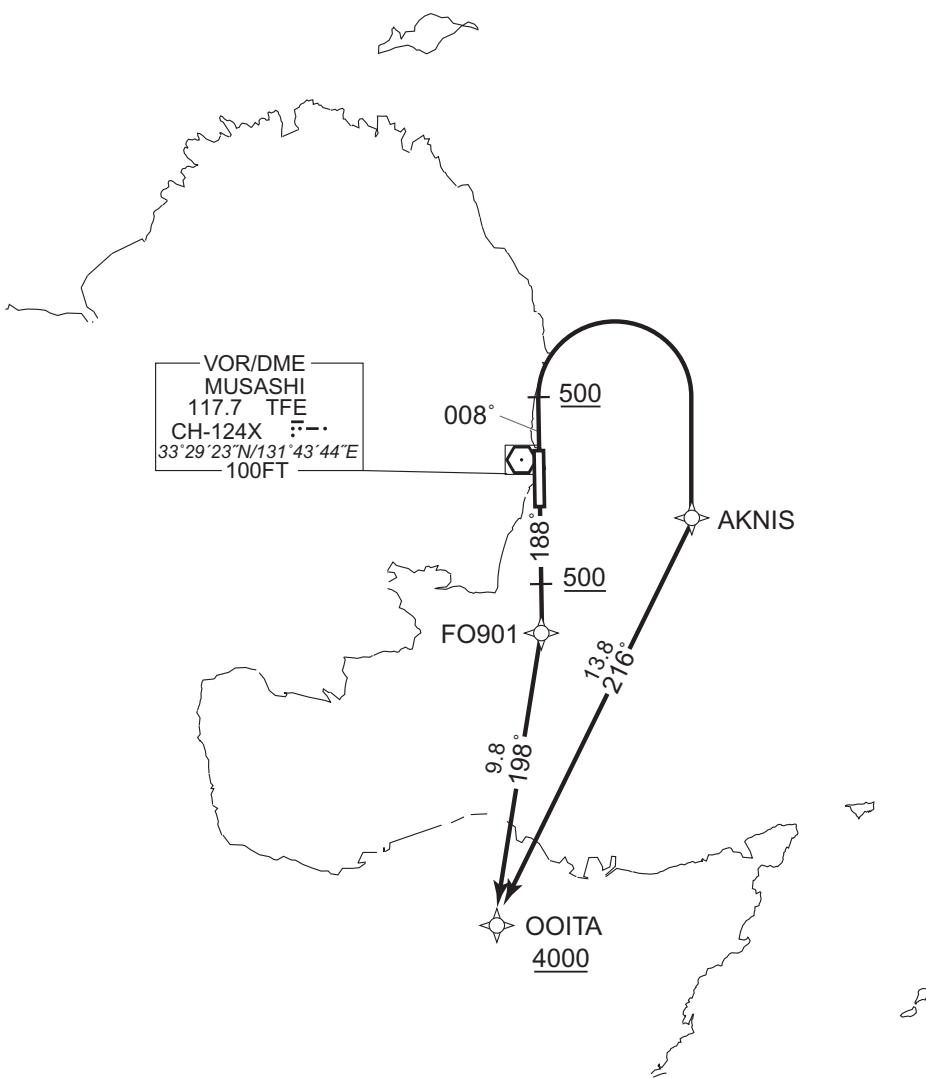
## STANDARD DEPARTURE CHART- INSTRUMENT

RJFO / OITA

RNAV SID

TOYO FOUR DEPARTURE		RNAV1
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.	Critical DME	-
2 ) RADAR service required.	DME GAP	RWY01 : DER ~ 9NM to AKNIS RWY19 : DER ~ 3NM to FO901
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8°W



CHANGE : PROC renamed. AKNIS established. TACHI abolished. VAR. PROC course. OBST.

RWY01 : Climb on HDG008° at or above 500FT, turn right direct to AKNIS,...

RWY19 : Climb on HDG188° at or above 500FT, direct to FO901,...  
...to OOITA at or above 4000FT.Note RWY01 : 5.0% climb gradient required up to 500FT.  
OBST ALT 321FT located at 2.5NM 352° FM end of RWY01.

## STANDARD DEPARTURE CHART- INSTRUMENT

RJFO / OITA

RNAV SID

TOYO FOUR DEPARTURE

## RWY01

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	—	—	008 (000.4)	-8.0	—	—	+500	—	—	RNAV1
002	DF	AKNIS	—	—	-8.0	—	R	—	—	—	RNAV1
003	TF	OOITA	—	216 (208.1)	-8.0	13.8	—	+4000	—	—	RNAV1

## RWY19

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	—	—	188 (180.4)	-8.0	—	—	+500	—	—	RNAV1
002	DF	FO901	—	—	-8.0	—	—	—	—	—	RNAV1
003	TF	OOITA	—	198 (189.8)	-8.0	9.8	—	+4000	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates
AKNIS	332524.3N / 1314958.2E
FO901	332251.1N / 1314410.5E
OOITA	331313.2N / 1314211.7E

CHANGE : AKNIS established. TACHI abolished. PROC course. Waypoint Coordinates added.

## STANDARD DEPARTURE CHART - INSTRUMENT

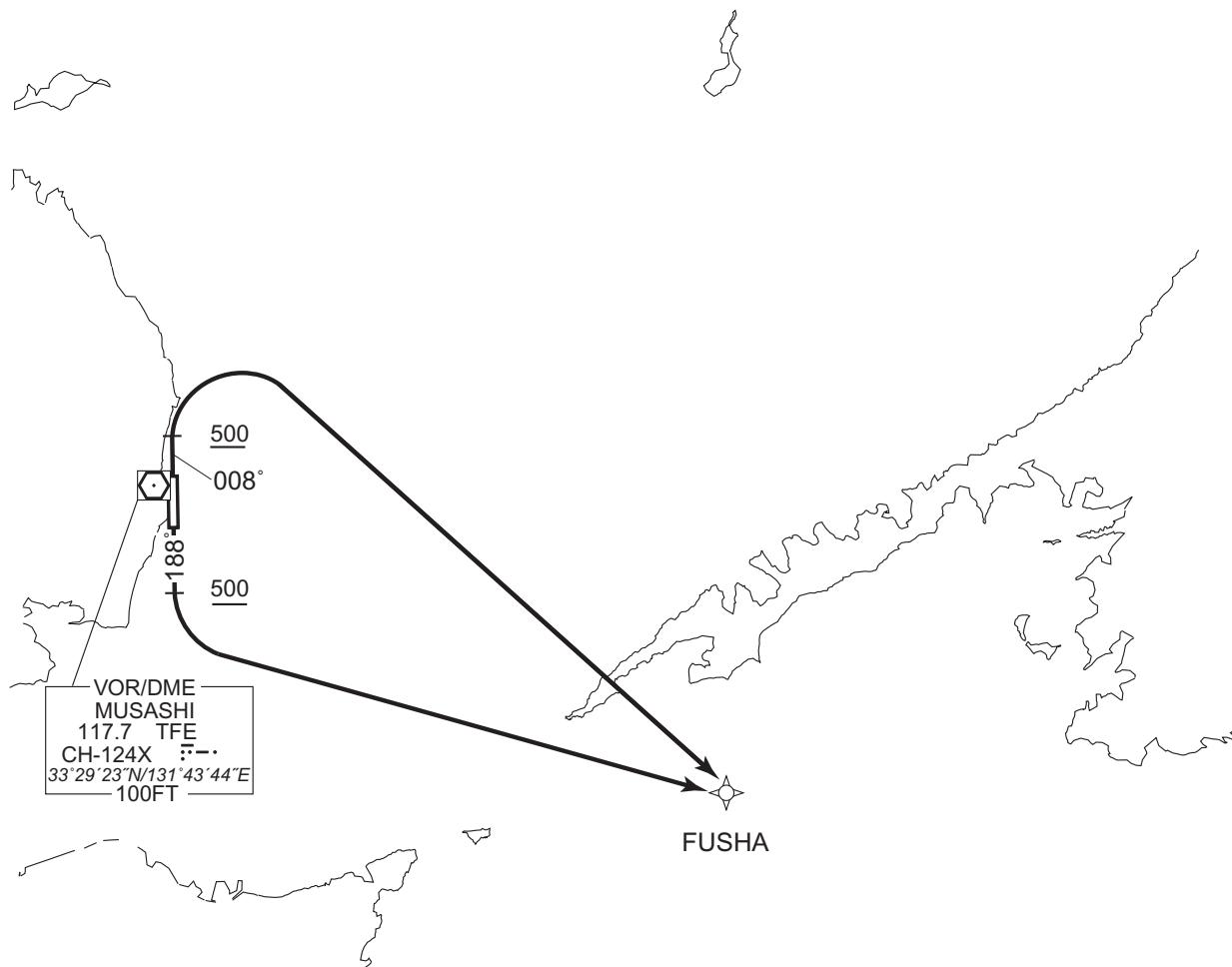
RJFO / OITA

RNAV SID

FUSHA TWO DEPARTURE		RNAV1
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.	Critical DME	RWY01 : MYE 25NM to FUSHA ~ 24NM to FUSHA
2 ) RADAR service required.	DME GAP	RWY01 : DER ~ 25NM to FUSHA RWY19 : DER ~ 23NM to FUSHA
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8°W

CHANGE : PROC renamed. VAR. PROC course. OBST.



RWY01 : Climb on HDG008° at or above 500FT, turn right direct to FUSHA.

RWY19 : Climb on HDG188° at or above 500FT, turn left direct to FUSHA.

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

OBST ALT 321FT located at 2.5NM 352° FM end of RWY01.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV SID

FUSHA TWO DEPARTURE

## RWY01

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	—	—	008 (000.4)	-8.0	—	—	+500	—	—	RNAV1
002	DF	FUSHA	—	—	-8.0	—	R	—	—	—	RNAV1

## RWY19

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	—	—	188 (180.4)	-8.0	—	—	+500	—	—	RNAV1
002	DF	FUSHA	—	—	-8.0	—	L	—	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates
FUSHA	331737.7N / 1320814.6E

CHANGE : PROC renamed. VAR. Waypoint Coordinates added.

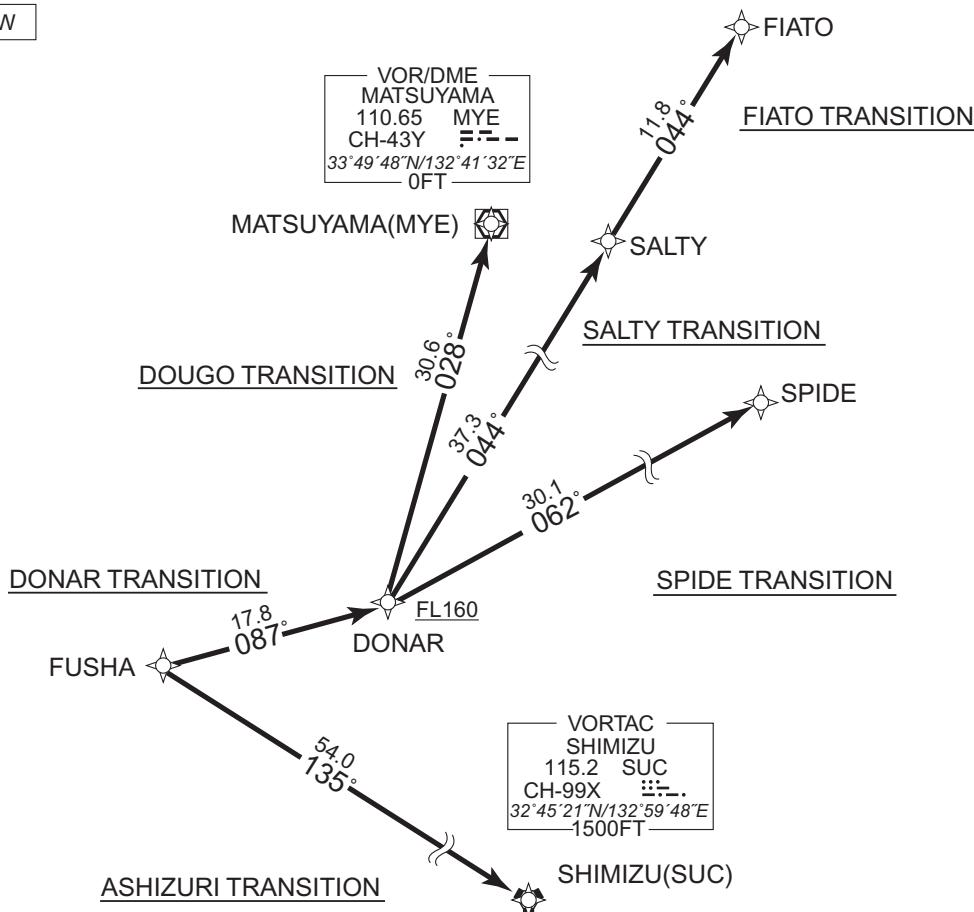
## STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV TRANSITION

DONAR TRANSITION / DOUGO TRANSITION / FIATO TRANSITION SALTY TRANSITION / SPIDE TRANSITION / ASHIZURI TRANSITION		RNAV1
Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.	Critical DME	-
	DME GAP Inappropriate Navaids	- See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8°W

DONAR TRANSITION

From FUSHA, to DONAR at or above FL160.

DOUGO TRANSITION

From FUSHA, to DONAR at or above FL160, to MYE.

FIATO TRANSITION

From FUSHA, to DONAR at or above FL160, to SALTY, to FIATO.

SALTY TRANSITION

From FUSHA, to DONAR at or above FL160, to SALTY.

SPIDE TRANSITION

From FUSHA, to DONAR at or above FL160, to SPIDE.

ASHIZURI TRANSITION

From FUSHA, to SUC.

CHANGE : VAR. PROC course.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV TRANSITION

DONAR TRANSITION

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	FUSHA	—	—	-8.0	—	—	—	—	—	RNAV1
002	TF	DONAR	—	087 (078.7)	-8.0	17.8	—	+FL160	—	—	RNAV1

DOUGO TRANSITION

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	FUSHA	—	—	-8.0	—	—	—	—	—	RNAV1
002	TF	DONAR	—	087 (078.7)	-8.0	17.8	—	+FL160	—	—	RNAV1
003	TF	MYE	—	028 (019.8)	-8.0	30.6	—	—	—	—	RNAV1

FIATO TRANSITION

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	FUSHA	—	—	-8.0	—	—	—	—	—	RNAV1
002	TF	DONAR	—	087 (078.7)	-8.0	17.8	—	+FL160	—	—	RNAV1
003	TF	SALTY	—	044 (036.1)	-8.0	37.3	—	—	—	—	RNAV1
004	TF	FIATO	—	044 (036.3)	-8.0	11.8	—	—	—	—	RNAV1

SALTY TRANSITION

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	FUSHA	—	—	-8.0	—	—	—	—	—	RNAV1
002	TF	DONAR	—	087 (078.7)	-8.0	17.8	—	+FL160	—	—	RNAV1
003	TF	SALTY	—	044 (036.1)	-8.0	37.3	—	—	—	—	RNAV1

CHANGE : PROC course. VAR.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV TRANSITION

SPIDE TRANSITION											
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	FUSHA	–	–	-8.0	–	–	–	–	–	RNAV1
002	TF	DONAR	–	087 (078.7)	-8.0	17.8	–	+FL160	–	–	RNAV1
003	TF	SPIDE	–	062 (054.1)	-8.0	30.1	–	–	–	–	RNAV1

## ASHIZURI TRANSITION

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	FUSHA	–	–	-8.0	–	–	–	–	–	RNAV1
002	TF	SUC	–	135 (126.5)	-8.0	54.0	–	–	–	–	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates
FUSHA	331737.7N / 1320814.6E
DONAR	332105.1N / 1322904.7E
MYE	334948.4N / 1324132.0E
SALTY	335109.7N / 1325530.8E
FIATO	340037.4N / 1330354.6E
SPIDE	333840.2N / 1325818.0E
SUC	324521.5N / 1325947.9E

CHANGE : PROC course, VAR, Waypoint Coordinates added.

STANDARD ARRIVAL CHART- INSTRUMENT

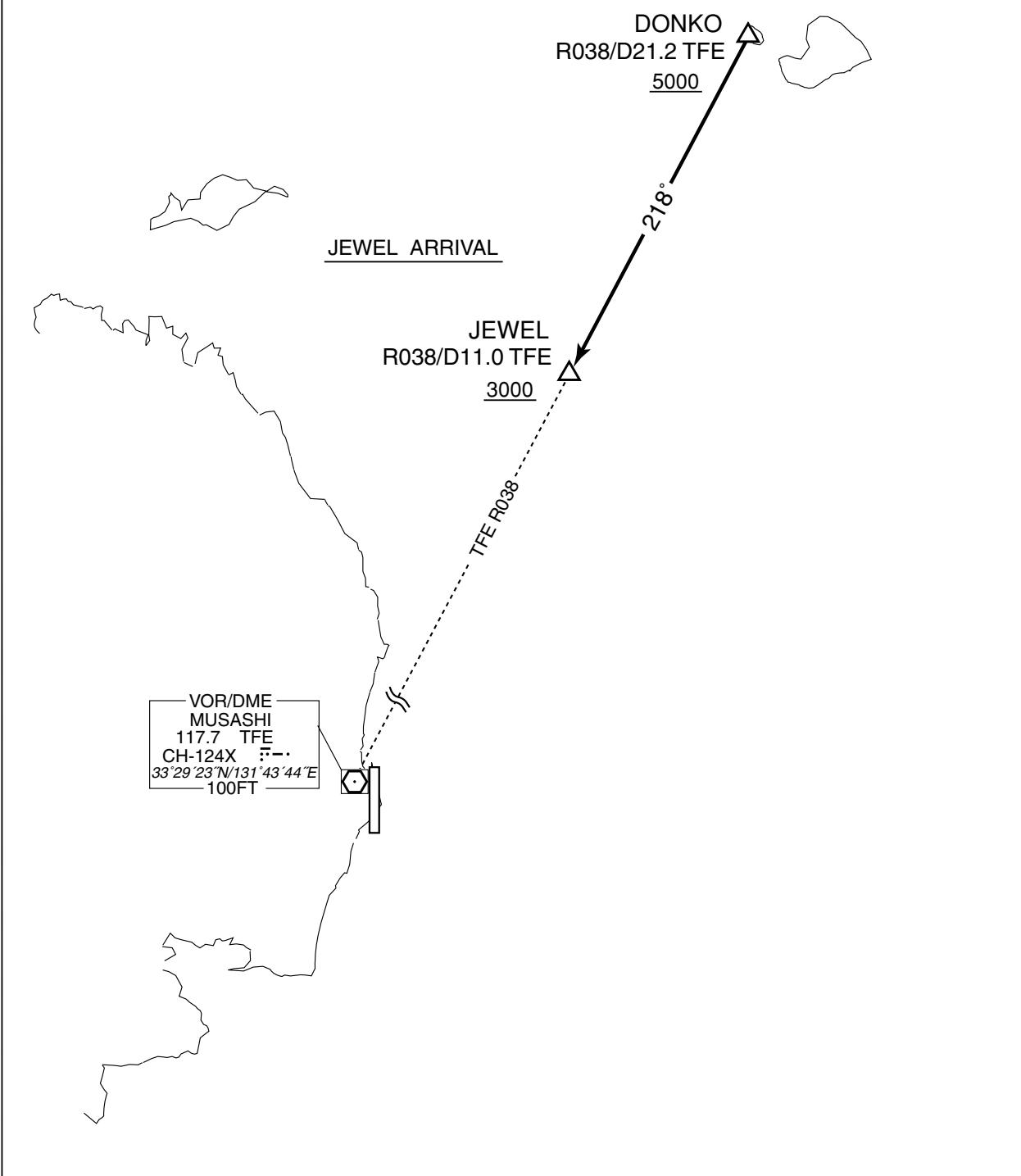
RJFO / OITA

STAR

JEWEL ARRIVAL

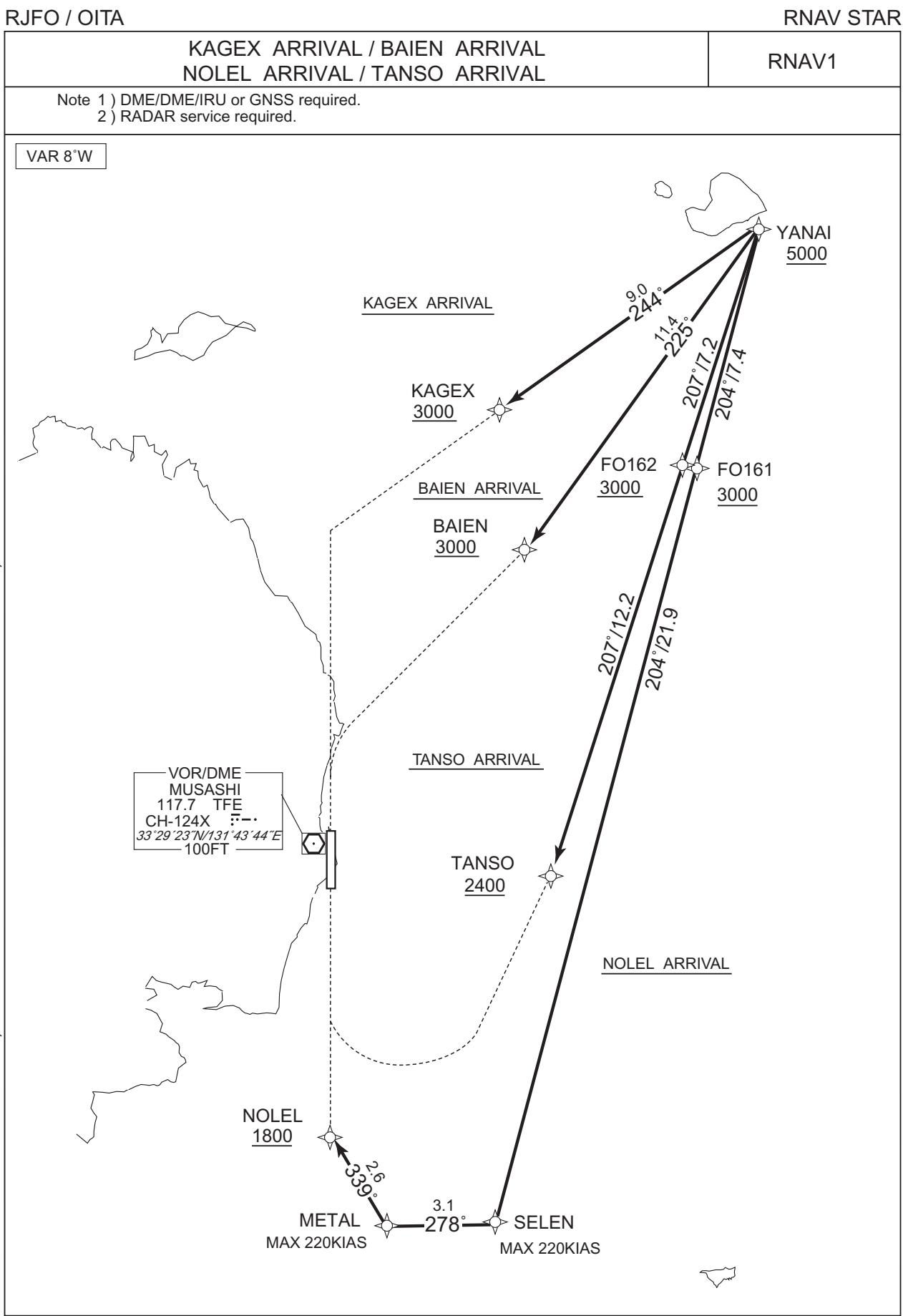
From over DONKO, via TFE R038 to JEWEL.

Cross DONKO at or above 5000FT, cross JEWEL at or above 3000FT.



## STANDARD ARRIVAL CHART- INSTRUMENT

CHANGE : KAGEX ARRIVAL, NOLEL ARRIVAL, HOVER ARRIVAL abolished. KABOS ARRIVAL, HOVER ARRIVAL abolished. PROC course. VAR.



## STANDARD ARRIVAL CHART - INSTRUMENT

RJFO / OITA

RNAV STAR

KAGEX ARRIVAL

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

Critical DME	-		
DME GAP	-		
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1		

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	YANAI	-	-	-8.0	-	-	+5000	-	-	RNAV1
002	TF	KAGEX	-	244 (236.2)	-8.0	9.0	-	+3000	-	-	RNAV1

BAIEN ARRIVAL

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

Critical DME	-		
DME GAP	-		
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1		

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	YANAI	-	-	-8.0	-	-	+5000	-	-	RNAV1
002	TF	BAIEN	-	225 (217.4)	-8.0	11.4	-	+3000	-	-	RNAV1

TANSO ARRIVAL

From YANAI at or above 5000FT, to FO162 at or above 3000FT, to TANSO at or above 2400FT.

Critical DME	-		
DME GAP	-		
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1		

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	YANAI	-	-	-8.0	-	-	+5000	-	-	RNAV1
002	TF	FO162	-	207 (199.4)	-8.0	7.2	-	+3000	-	-	RNAV1
003	TF	TANSO	-	207 (199.4)	-8.0	12.2	-	+2400	-	-	RNAV1

CHANGE : KAGEX ARRIVAL established. PROC course. VAR.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJFO / OITA

RNAV STAR

NOLEL ARRIVAL

From YANAI at or above 5000FT, to FO161 at or above 3000FT, to SELEN, to METAL, to NOLEL at or above 1800FT.

Critical DME	-
DME GAP	-
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

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	YANAI	-	-	-8.0	-	-	+5000	-	-	RNAV1
002	TF	FO161	-	204 (196.4)	-8.0	7.4	-	+3000	-	-	RNAV1
003	TF	SELEN	-	204 (196.4)	-8.0	21.9	-	-	-220	-	RNAV1
004	TF	METAL	-	278 (270.5)	-8.0	3.1	-	-	-220	-	RNAV1
005	TF	NOLEL	-	339 (330.5)	-8.0	2.6	-	+1800	-	-	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates
YANAI	334622.9N / 1315917.1E
KAGEX	334121.2N / 1315016.7E
BAIEN	333720.4N / 1315059.8E
FO162	333936.2N / 1315624.8E
TANSO	332806.6N / 1315133.7E
FO161	333918.2N / 1315646.6E
SELEN	331818.8N / 1314923.1E
METAL	331820.3N / 1314541.2E
NOLEL	332036.2N / 1314409.4E

CHANGE : NOLEL ARRIVAL established. Waypoint Coordinates added.

STANDARD ARRIVAL CHART - INSTRUMENT

RJFO / OITA

RNAV STAR RWY01

OOITA ARRIVAL

RNAV1

- Note 1 ) DME/DME/IRU or GNSS required.  
2 ) RADAR service required.

VAR 8°W

VOR/DME  
MUSASHI  
117.7 TFE  
CH-124X  
33°29'23"N/131°43'44"E  
100FT



100FT

## STANDARD ARRIVAL CHART - INSTRUMENT

RJFO / OITA

RNAV STAR

OOITA ARRIVAL

From OOITA at or above 4000FT, to LUISU at or above 2900FT, to NOLEL at or above 1800FT.

Critical DME	-
DME GAP	-
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

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	OOITA	-	-	-8.0	-	-	+4000	-	-	RNAV1
002	TF	LUISU	-	028 (020.2)	-8.0	4.7	-	+2900	-	-	RNAV1
003	TF	NOLEL	-	009 (000.5)	-8.0	3.0	-	+1800	-	-	RNAV1

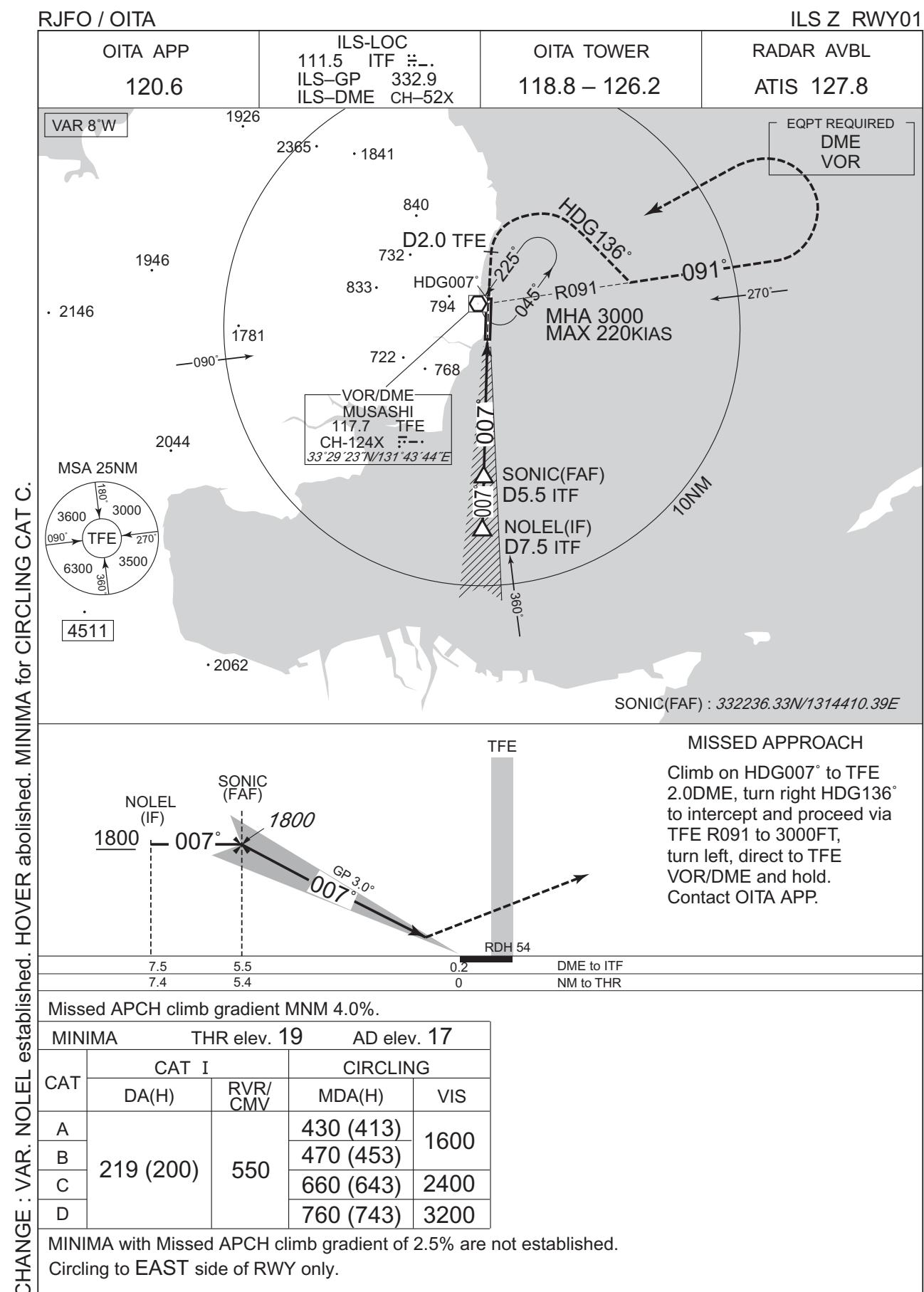
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	LUISU	009 (000.5)	-8.0	1.0(-14000)	R	3000	FL140	-210(-14000)	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates
OOITA	331313.2N / 1314211.7E
LUISU	331735.8N / 1314407.5E
NOLEL	332036.2N / 1314409.4E

CHANGE : New PROC.

## INSTRUMENT APPROACH CHART

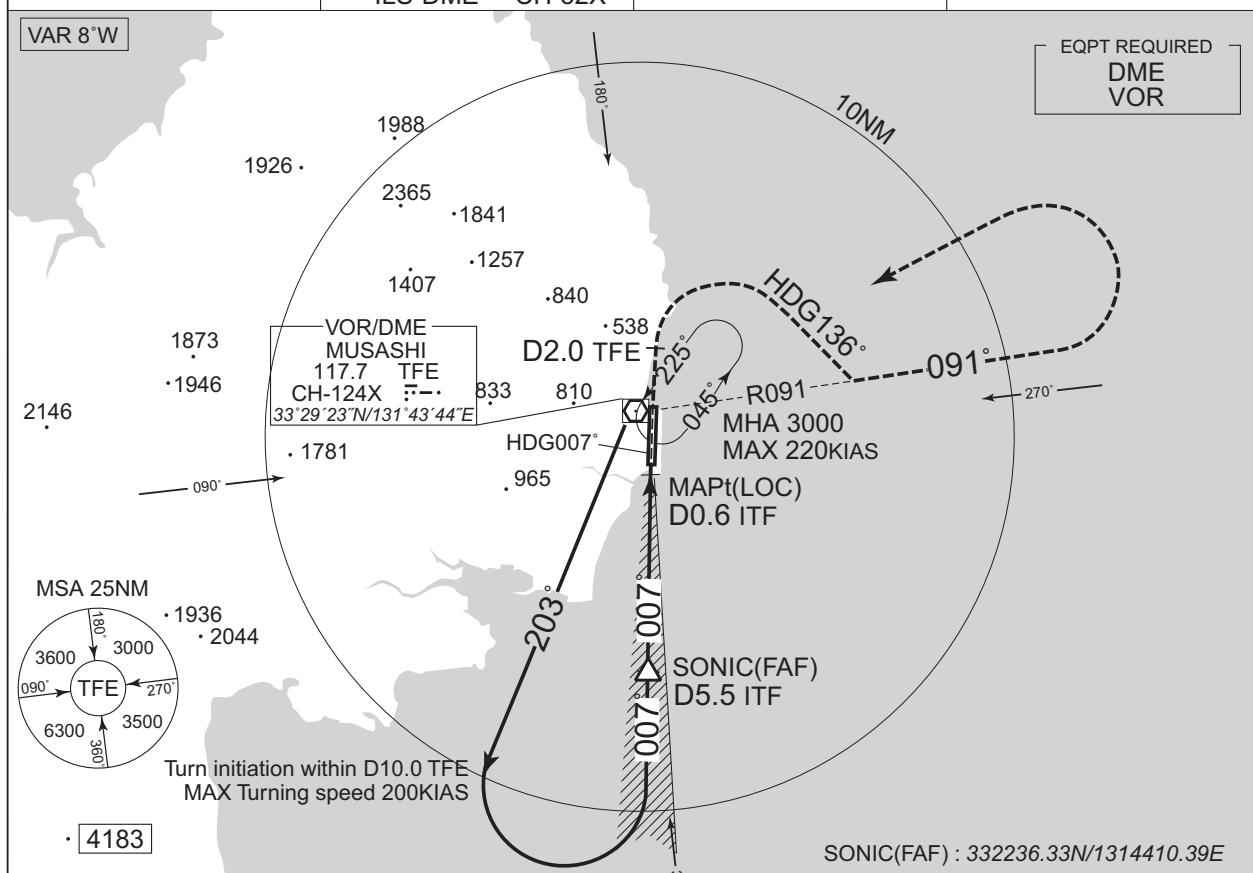


## INSTRUMENT APPROACH CHART

RJFO / OITA

ILS Y or LOC RWY01

OITA APP	ILS-LOC 111.5 ITF 三三 ILS-GP 332.9 ILS-DME CH-52X	OITA TOWER	RADAR AVBL
120.6		118.8 - 126.2	ATIS 127.8



MISSED APPROACH  
Climb on HDG007° to TFE  
2.0DME, turn right HDG136°  
to intercept and proceed via  
TFE R091 to 3000FT,  
turn left, direct to TFE  
VOR/DME and hold.  
Contact OITA APP.

Turn initiation within D10.0 TFE

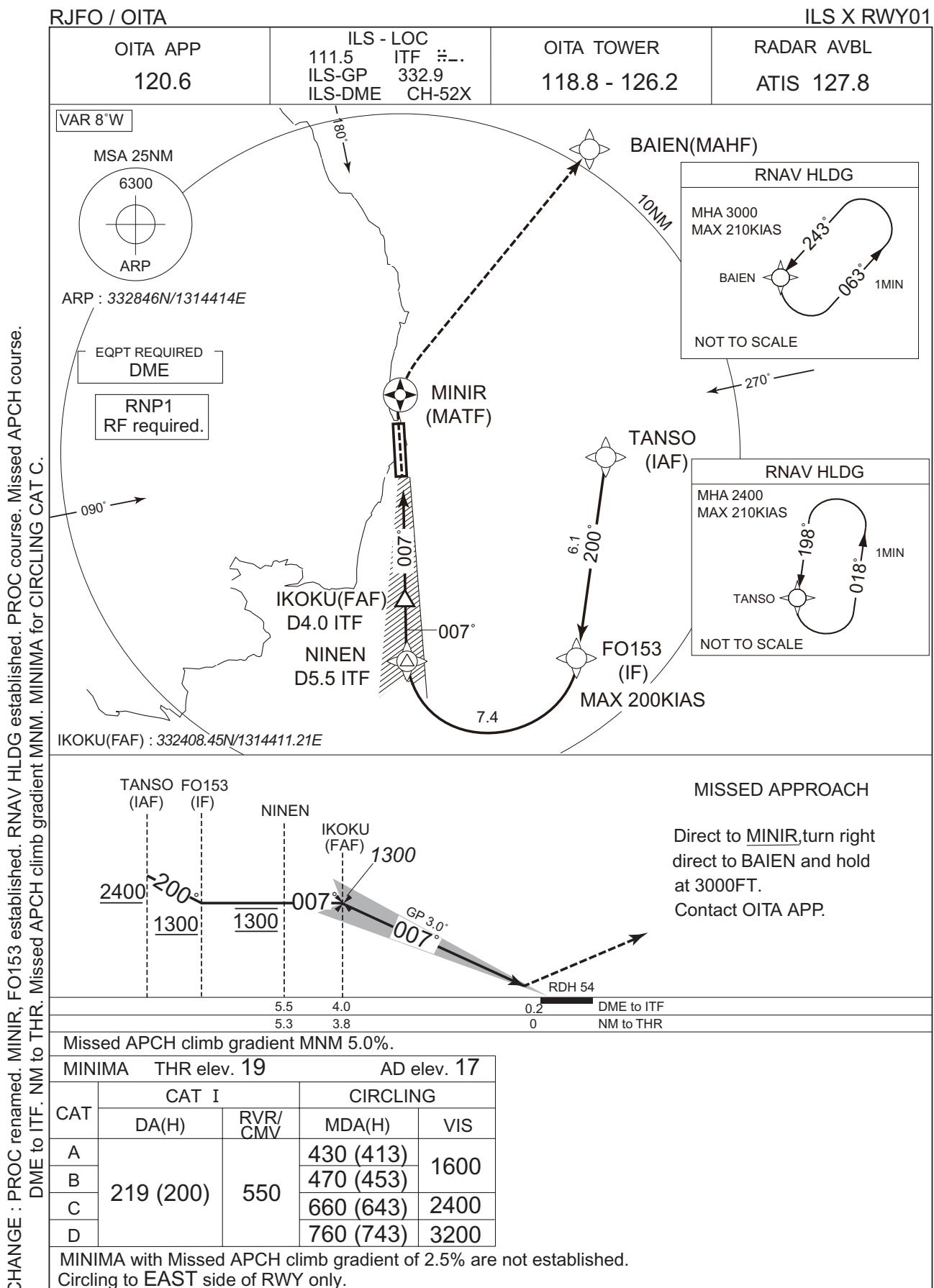
Timing not authorized for defining the MAPt.

Missed APCH climb gradient MNM 4.0%.						
MINIMA		THR elev. 19		AD elev. 17		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	219 (200)	550	300 (283)	800	430 (413)	1600
B					470 (453)	
C					660 (643)	2400
D				1200	760 (743)	3200

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

CHANGE : PROC renamed.

## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJFO / OITA

ILS X RWY01

Coding Table

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	TANSO	-	-	-8.0	-	-	+2400	-	-	RNP1
002	TF	FO153	-	200 (191.7)	-8.0	6.1	-	+1300	-200	-	RNP1
003	RF Center: FORF3 r=2.50NM	NINEN	-	-	-8.0	7.4	R	1300	-	-	RNP1

001	DF	MINIR	Y	-	-8.0	-	-	-	-	-	RNP1
002	DF	BAIEN	-	-	-8.0	-	R	3000	-	-	RNP1

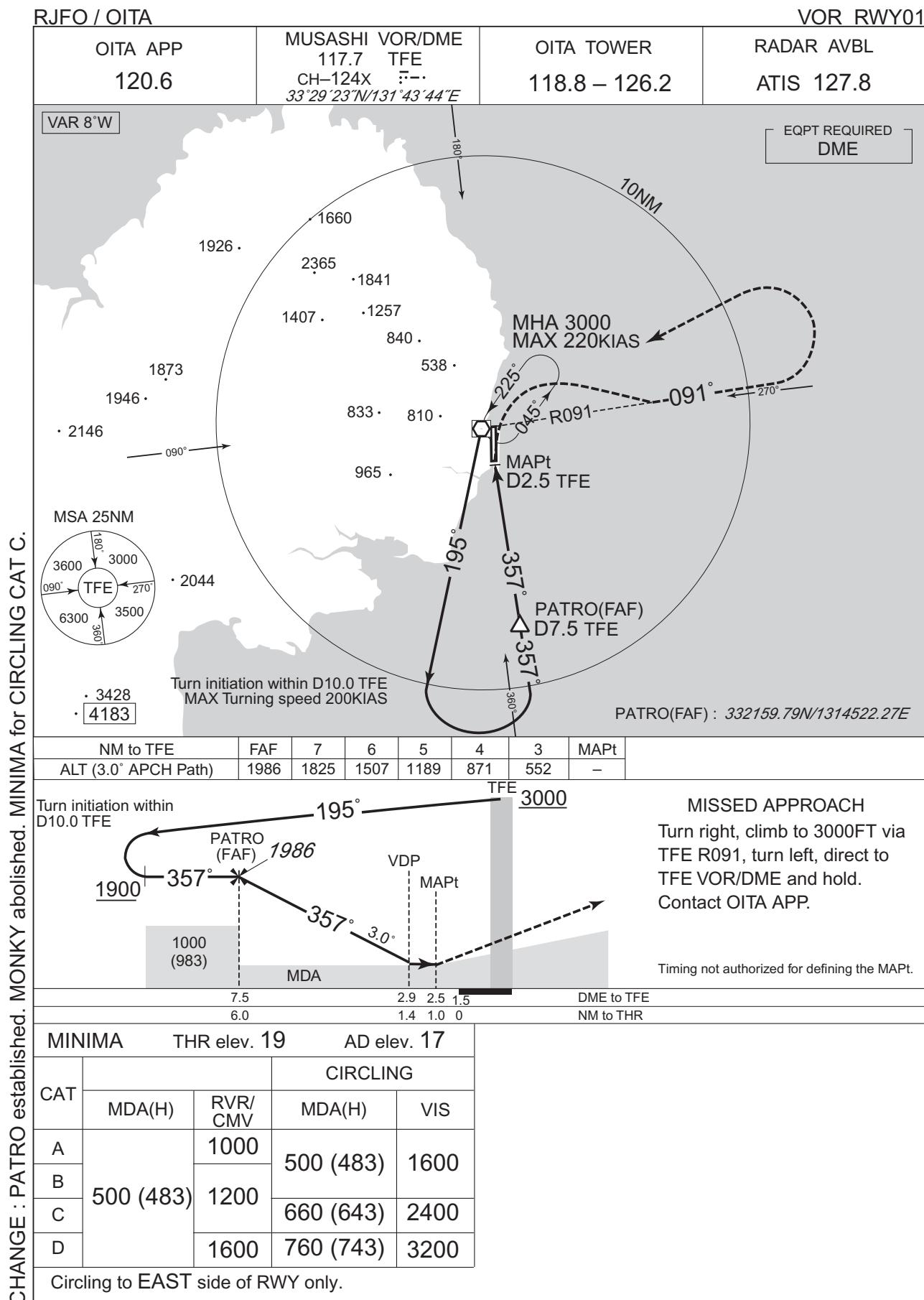
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	TANSO	198 (190.0)	-8.0	1.0(-14000)	L	2400	FL140	-210(-14000)	RNP1
Hold	BAIEN	243 (234.9)	-8.0	1.0(-14000)	L	3000	FL140	-210(-14000)	RNP1

Waypoint Coordinates

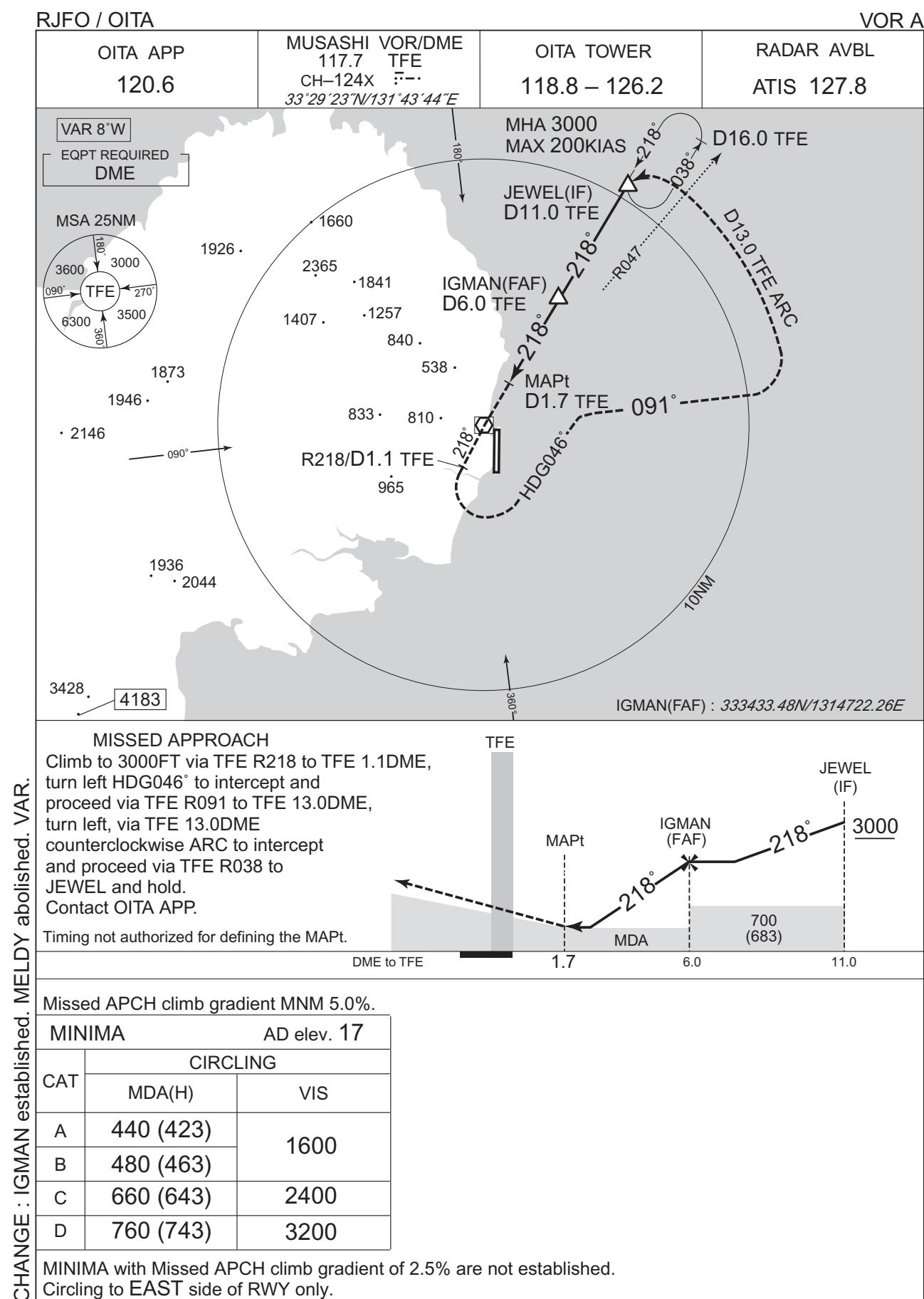
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
TANSO	332806.56N / 1315133.74E	FORF3	332237.18N / 1314709.46E
FO153	332206.75N / 1315004.78E		
NINEN	332238.32N / 1314410.42E		
MINIR	333001.00N / 1314414.31E		
BAIEN	333720.39N / 1315059.77E		

CHANGE : PROC renamed. MINIR, FO153 established. HLDG pattern.

## INSTRUMENT APPROACH CHART

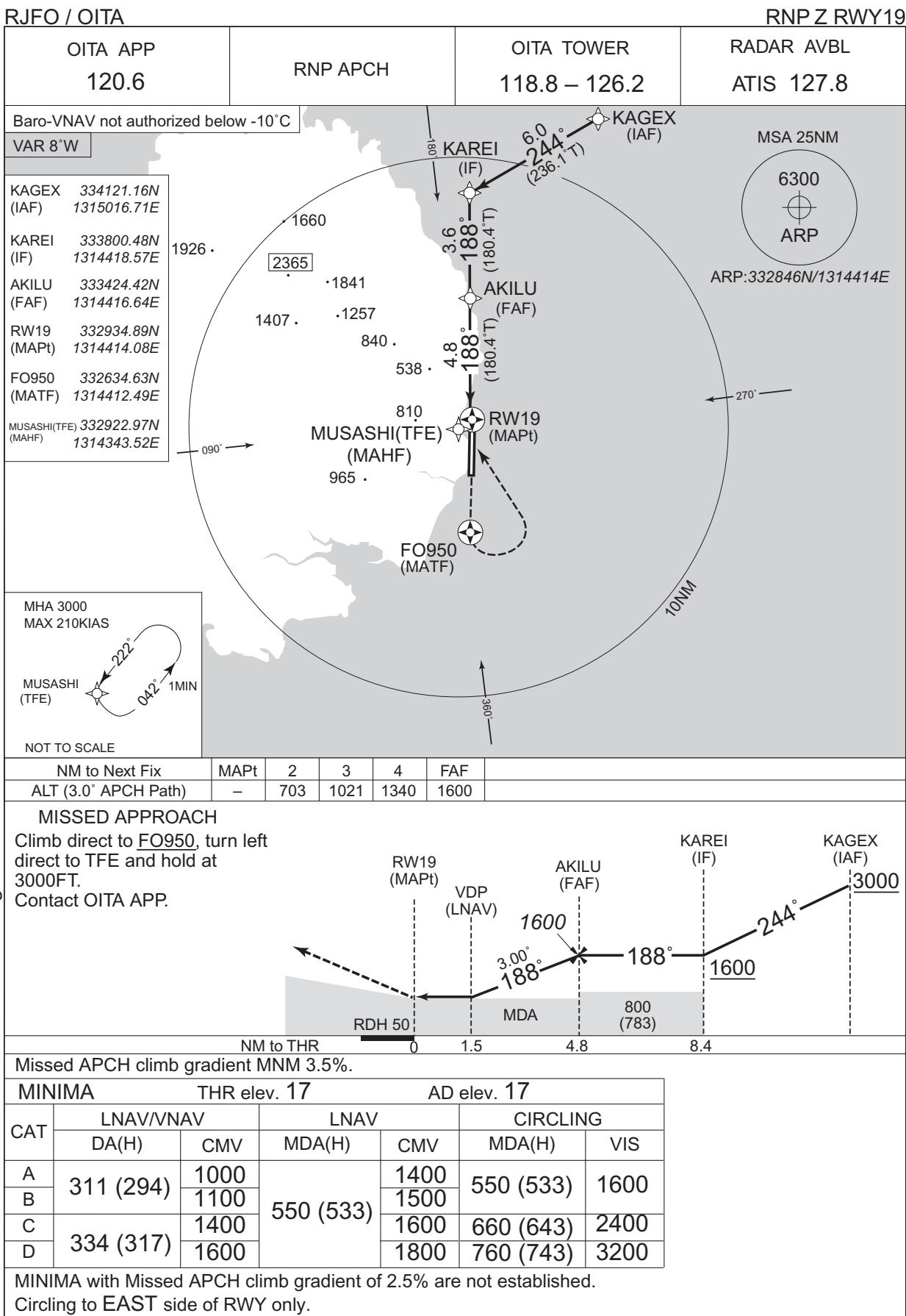


## INSTRUMENT APPROACH CHART

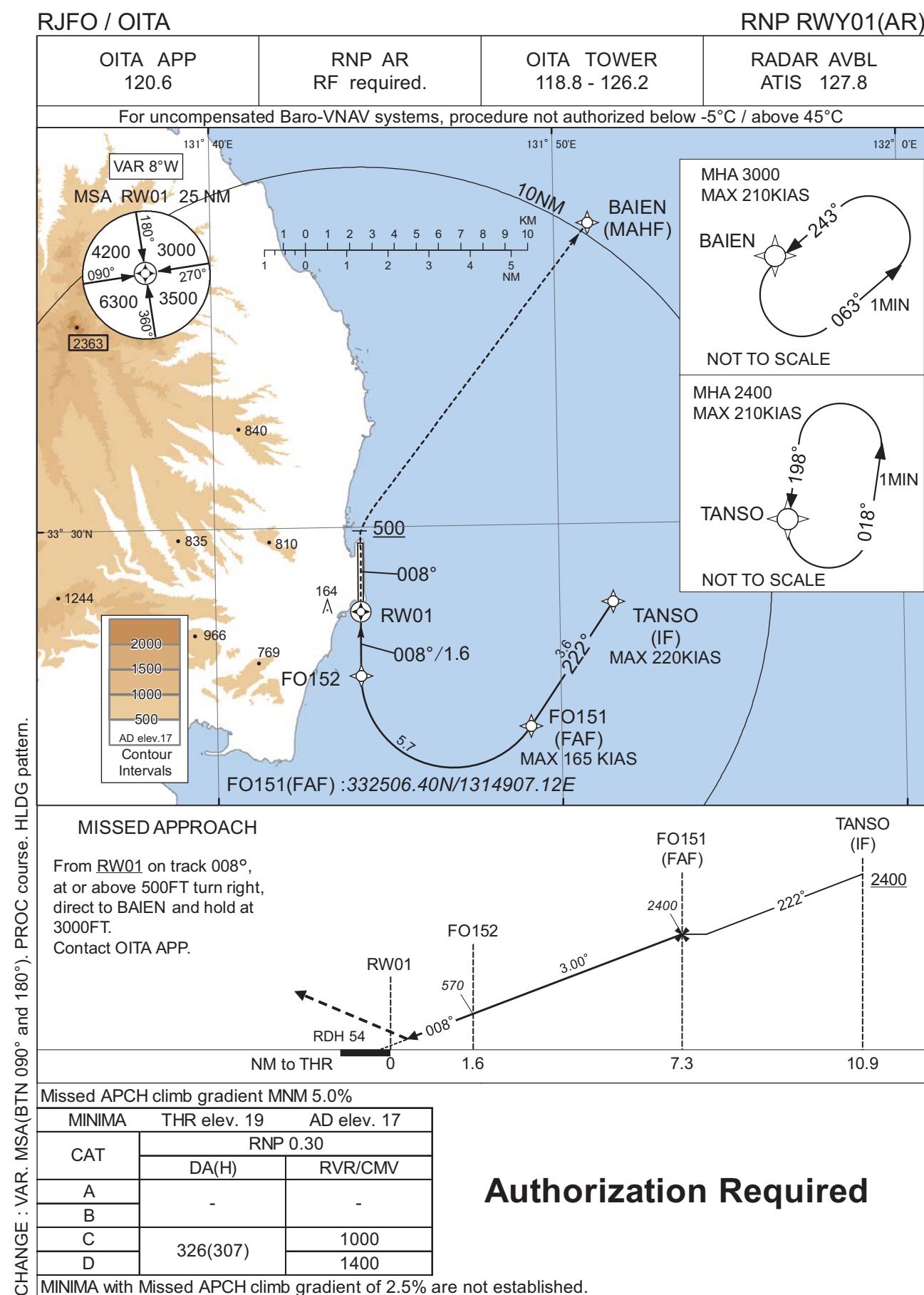


## INSTRUMENT APPROACH CHART

CHANGE : KAGEX, AKILU established. KABOS, KUROZ abolished. PROC course. VAR. HLDG pattern at TFE. ALT restriction at KAREI.  
NM to THR. Missed APCH climb gradient MNM..MINIMA.



## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJFO / OITA

RNP RWY01(AR)

Coding Table

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	TANSO	-	-	-8.0	-	-	+2400	-220	-	-
002	TF	FO151	-	222 (214.2)	-8.0	3.6	-	2400	-165	-	1.0
003	RF Center: FORF1 r=2.25NM	FO152	-	-	-8.0	5.7	R	570	-	-3.00	0.3
004	TF	RW01	Y	008 (000.4)	-8.0	1.6	-	73	-	-3.00/54	0.3
005	FA	-	-	008 (000.4)	-8.0	-	-	+500	-	-	1.0
006	DF	BAIEN	-	-	-8.0	-	R	3000	-	-	1.0

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	TANSO	198 (190.0)	-8.0	1.0 (-14000)	L	2400	FL140	-210(-14000)	1.0
Hold	BAIEN	243 (234.9)	-8.0	1.0 (-14000)	L	3000	FL140	-210(-14000)	1.0

CHANGE : PROC course. VAR. HLDG pattern added.

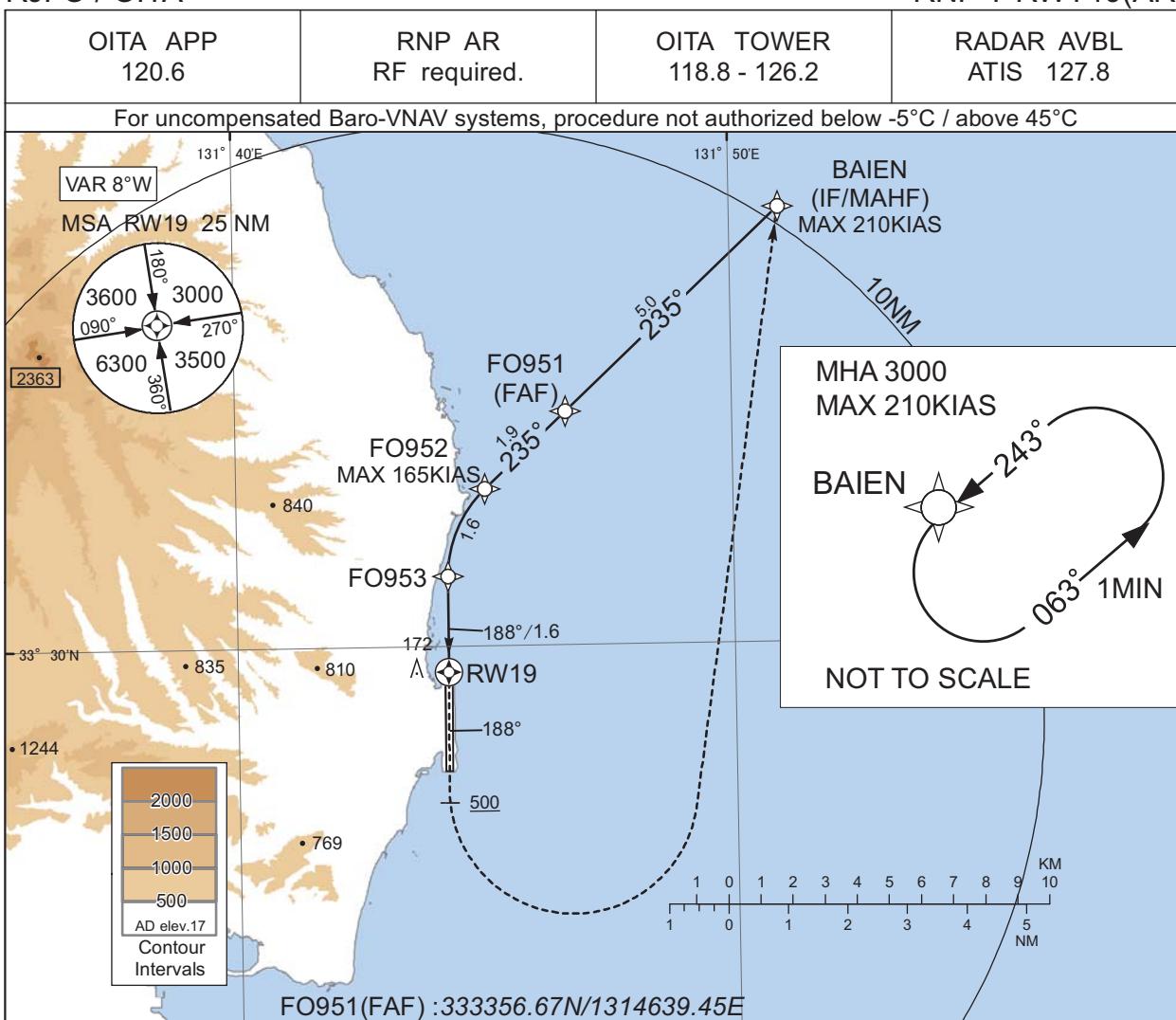
Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
TANSO	332806.56N / 1315133.74E	FORF1	332622.64N / 1314653.79E
FO151	332506.40N / 1314907.12E		
FO152	332623.67N / 1314412.39E		
RW01	332757.53N / 1314413.22E		
BAIEN	333720.39N / 1315059.77E		

## INSTRUMENT APPROACH CHART

RJFO / OITA

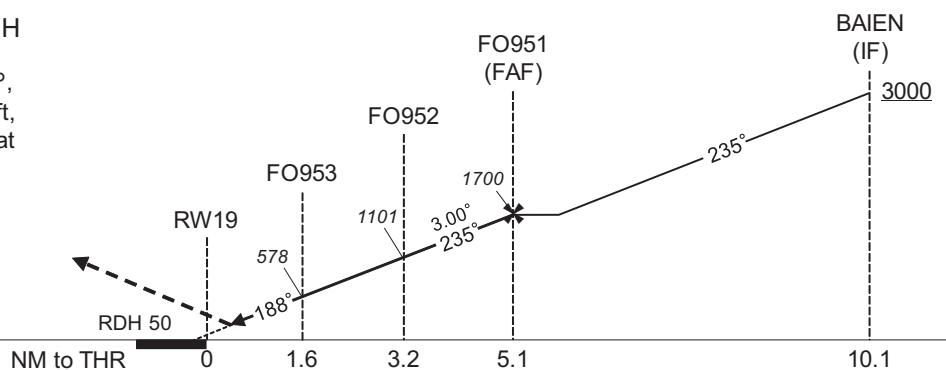
RNP Y RWY19(AR)



## MISSED APPROACH

From RW19 on track 188°, at or above 500FT turn left, direct to BAIEN and hold at 3000FT.

Contact OITA APP.



Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 17 AD elev. 17

CAT RNP 0.30

DA(H) CMV

CHANGE : VAR, PROC course, HLDG pattern.

A

B

C

D

334(317)

1400

1600

## Authorization Required

MINIMA with Missed APCH climb gradient of 2.5% are not established.

## INSTRUMENT APPROACH CHART

RJFO / OITA

RNP Y RWY19(AR)

Coding Table

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/RDH (°/FT)	RNP Value
001	IF	BAIEN	-	-	-8.0	-	-	+3000	-210	-	-
002	TF	FO951	-	235 (226.8)	-8.0	5.0	-	1700	-	-	1.0
003	TF	FO952	-	235 (226.8)	-8.0	1.9	-	1101	-165	-3.00	0.3
004	RF Center: FORF2 r=2.02NM	FO953	-	-	-8.0	1.6	L	578	-	-3.00	0.3
005	TF	RW19	Y	188 (180.4)	-8.0	1.6	-	67	-	-3.00/50	0.3
006	FA	-	-	188 (180.4)	-8.0	-	-	+500	-	-	1.0
007	DF	BAIEN	-	-	-8.0	-	L	3000	-	-	1.0

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	BAIEN	243 (234.9)	-8.0	1.0 (-14000)	L	3000	FL140	-210(-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
BAIEN	333720.39N / 1315059.77E	FORF2	333110.65N / 1314640.11E
FO951	333356.67N / 1314639.45E		
FO952	333239.42N / 1314500.88E		
FO953	333111.58N / 1314414.94E		
RW19	332934.89N / 1314414.08E		

CHANGE : PROC course. VAR. HLDG pattern added.

RJFO / OITA

Visual REP



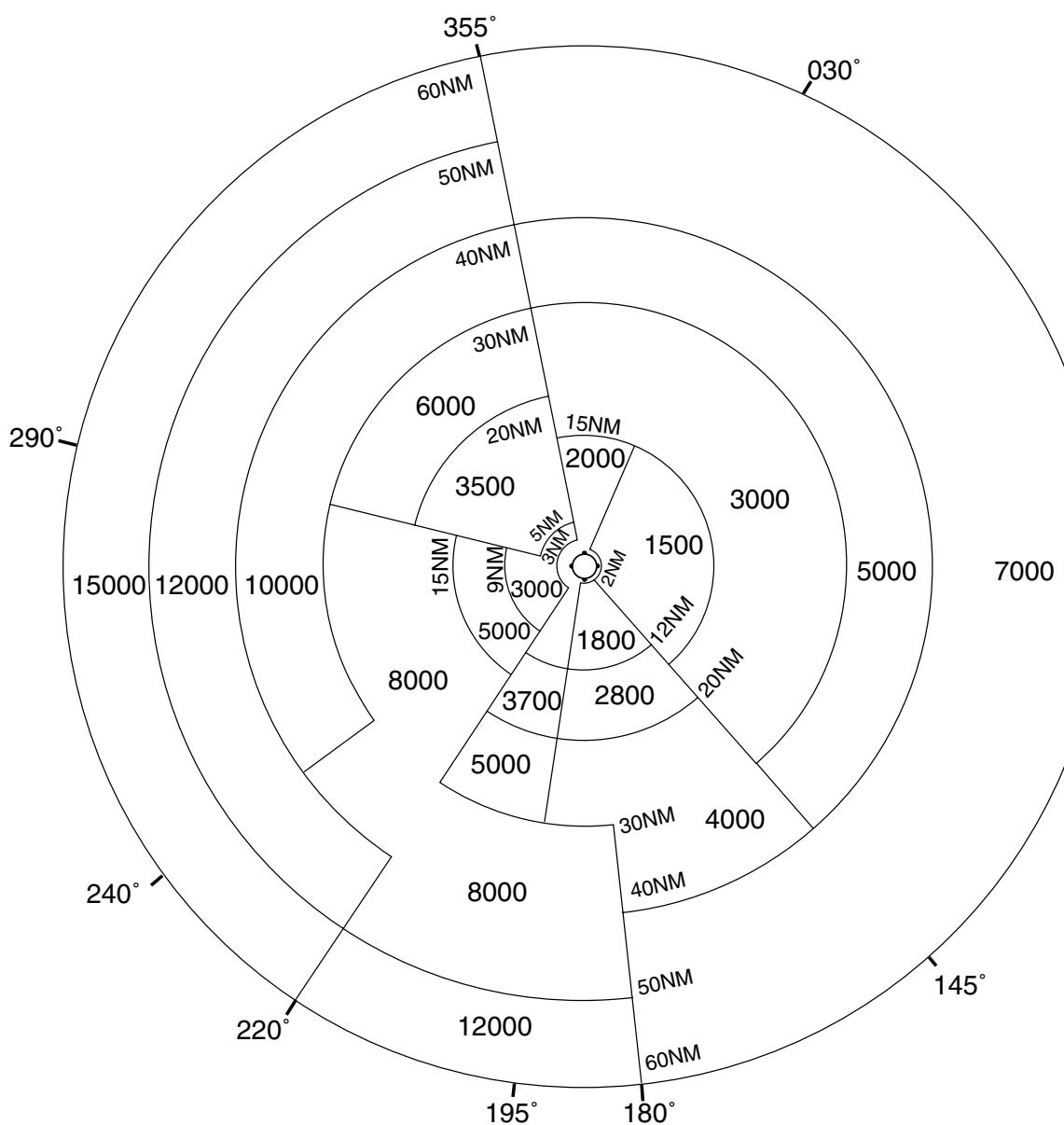
CHANGE : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
姫島 Himeshima	346 °T / 15.3NM	島 Island
ゴルフコース Golf course	345 °T / 9.7NM	ゴルフ場 Golf course
行入ダム Gyonyu dam	321 °T / 7.0NM	ダム Dam
イーストポイント East point	090 °T / 10.0NM	海上 Over the sea
杵築 Kitsuki	232 °T / 6.7NM	八坂川河口 River mouth (The Yasaka)
佐賀関 Saganoseki	152 °T / 15.0NM	精錬所煙突 Chimney

RJFO / OITA

Minimum Vectoring Altitude CHART

VAR 7°W (2008)



CENTER : 332842N/1314351E ( RADAR SITE)