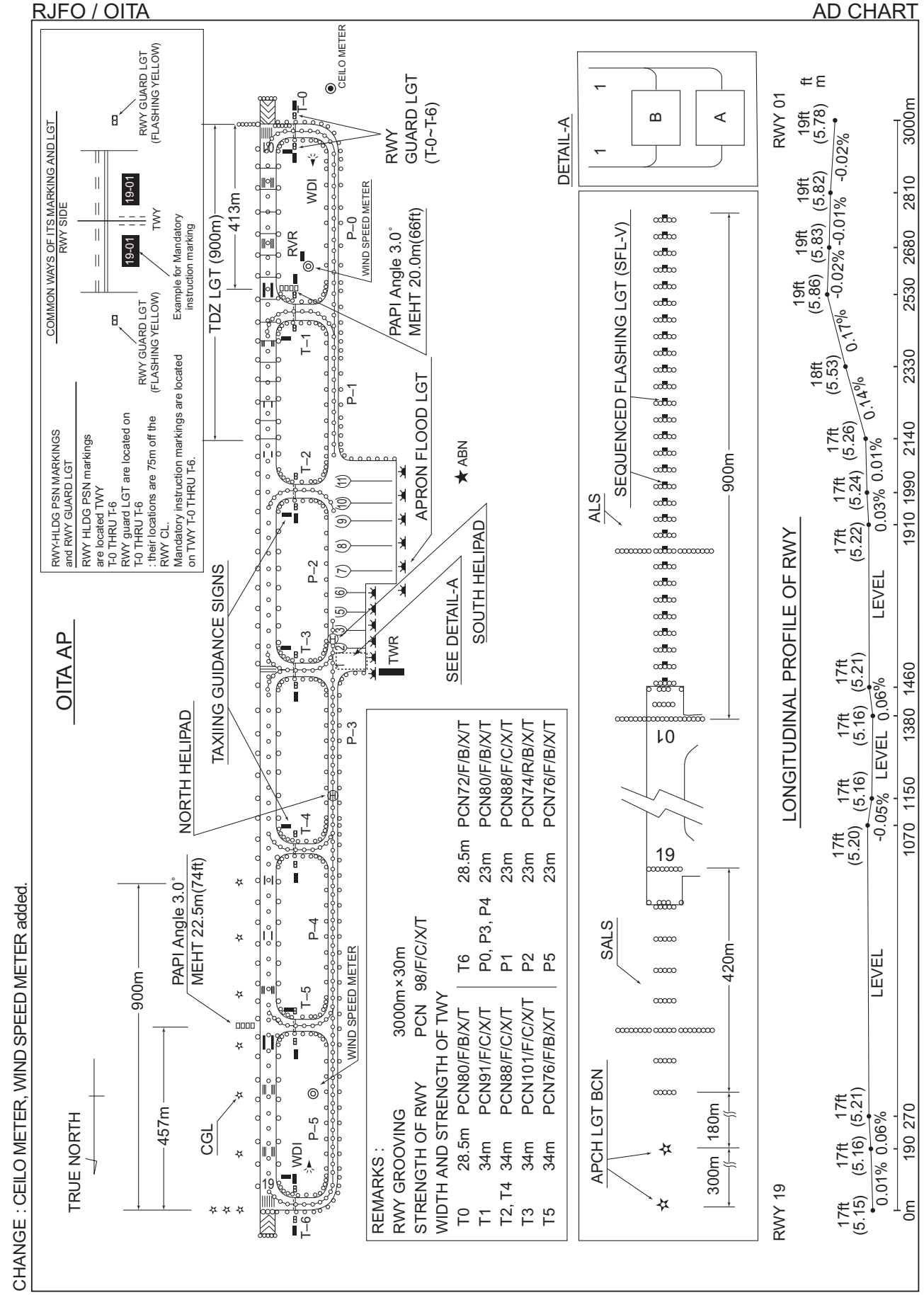
RJFO / OITA

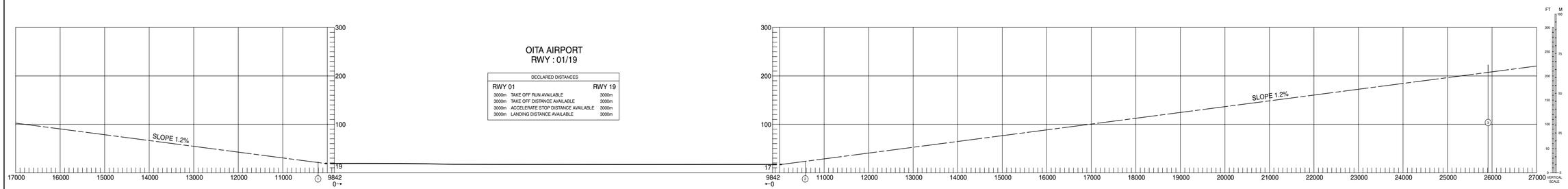
AD CHART

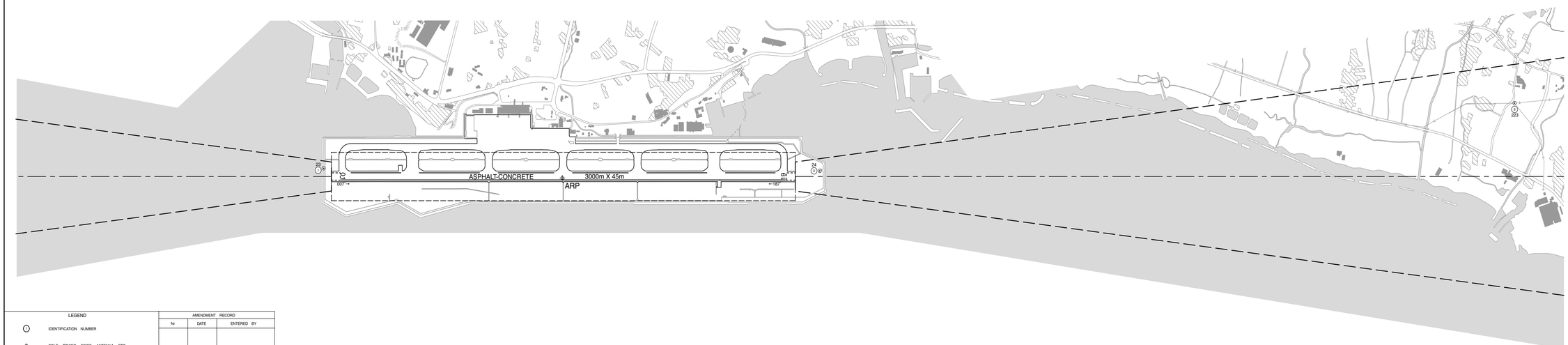


AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 7°17' W-APR 2016





LEGEND

- IDENTIFICATION NUMBER
- POLE, TOWER, SPIRE, ANTENNA, ETC
- TREE
- LEVEE
- RAILROAD
- RIVER
- TRANSMISSION LINE OR OVERHEAD CABLE
- TRIANGULATION POINT
- AERONAUTICAL GROUND LIGHT

AMENDMENT RECORD

Nr	DATE	ENTERED BY

HORIZONTAL SCALE

FEET

METRES

AERODROME OBSTACLE CHART-ICAO

TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

AERODROME ELEVATION 17ft ARP

131°40'E 131°41'E 131°42'E 131°43'E 131°44'E 131°45'E 131°46'E 131°47'E 131°48'E

33°33'N 33°32'N 33°31'N 33°30'N 33°29'N 33°28'N 33°27'N 33°26'N 33°25'N 33°24'N

VAR 7°17'W APR 2016
ANNUAL CHANGE 4'27"W

HORIZONTAL SURFACE

TAKE-OFF FLIGHT PATH SLOPE 1.2%

TRANSITIONAL SURFACE SLOPE 1:7

TRANSITIONAL SURFACE SLOPE 1:7

KUNISAKI CITY

IYO NADA

MUSASHI HARBOR

MUSASHI BYPASS

NATIONAL ROUTE 213

ORANGE ROAD

OITA AIRPORT ROAD

AKIRA RIVER

MUSASHI RIVER

300m × 45m

ARP

ASPHALT CONCRETE

LEGEND

- AERODROME REFERENCE POINT 33°28'46"N 131°44'14"E
- POLE, TOWER, SPIRE, ANTENNA, ETC
- AERONAUTICAL GROUND LIGHT
- OBSTRUCTION LIGHT
- BUILDING OR LARGE STRUCTURE
- RAILROAD
- TRIANGULATION POINT
- TRANSMISSION LINE OR OVERHEAD CABLE
- LEVEE
- TREE
- RIVER
- LAKE
- CONTOURS(ft)

AMENDMENT RECORD

Nr	DATE	ENTERED BY

HORIZONTAL SCALE

FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000ft

METRES 300 0 500 1000 1500 2000 2500 3000m

STANDARD DEPARTURE CHART - INSTRUMENT

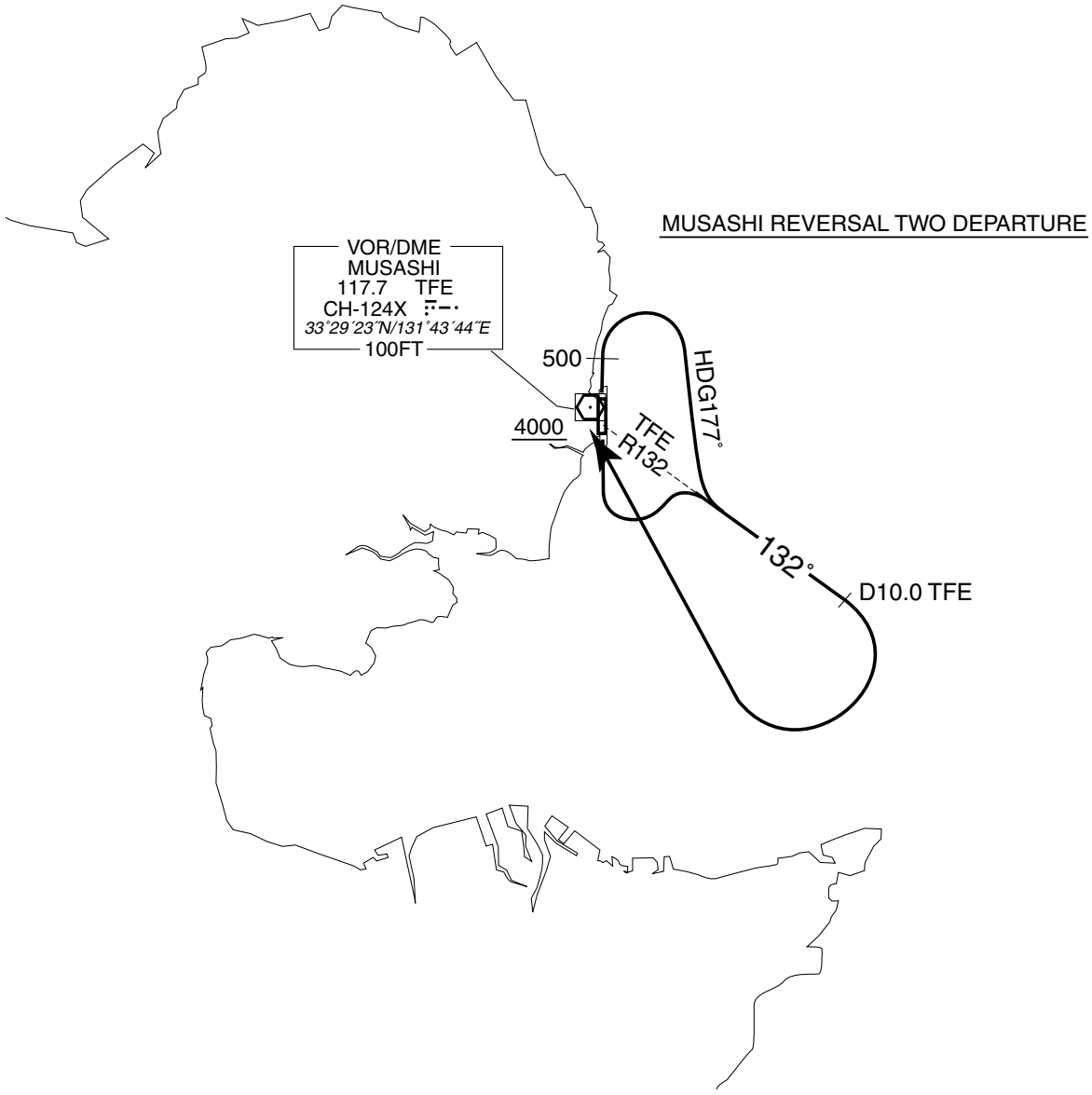
RJFO / OITA SID

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.

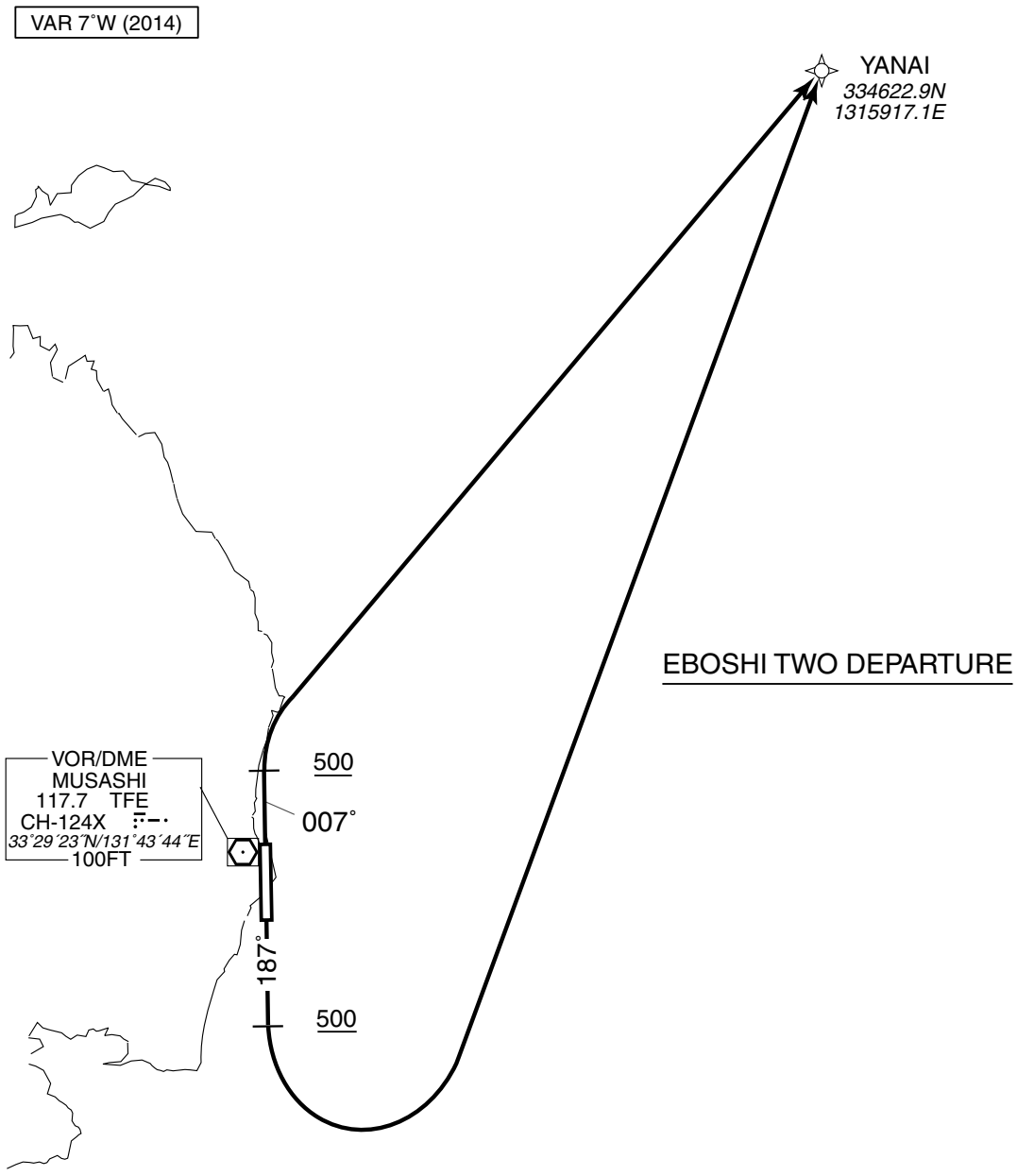
Note RWY01 : 5.0% climb gradient required up to 500FT.
OBST ALT 266FT located at 2.5NM 351˚ FM end of RWY01.



STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA RNAV SID

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



EBOSHI TWO DEPARTURE

RWY01 : Climb on HDG007˚ at or above 500FT, turn right direct to YANAI.

RWY19 : Climb on HDG187˚ at or above 500FT, turn left direct to YANAI.

Note RWY01 : 5.0% climb gradient required up to 500FT.
OBST ALT 266FT located at 2.5NM 351˚ FM end of RWY01.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA RNAV SID

EBOSHI 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	—	—	007 (000.4)	-7.0	—	—	+500	—	—	RNAV1
002	DF	YANAI	—	—	-7.0	—	R	—	—	—	RNAV1

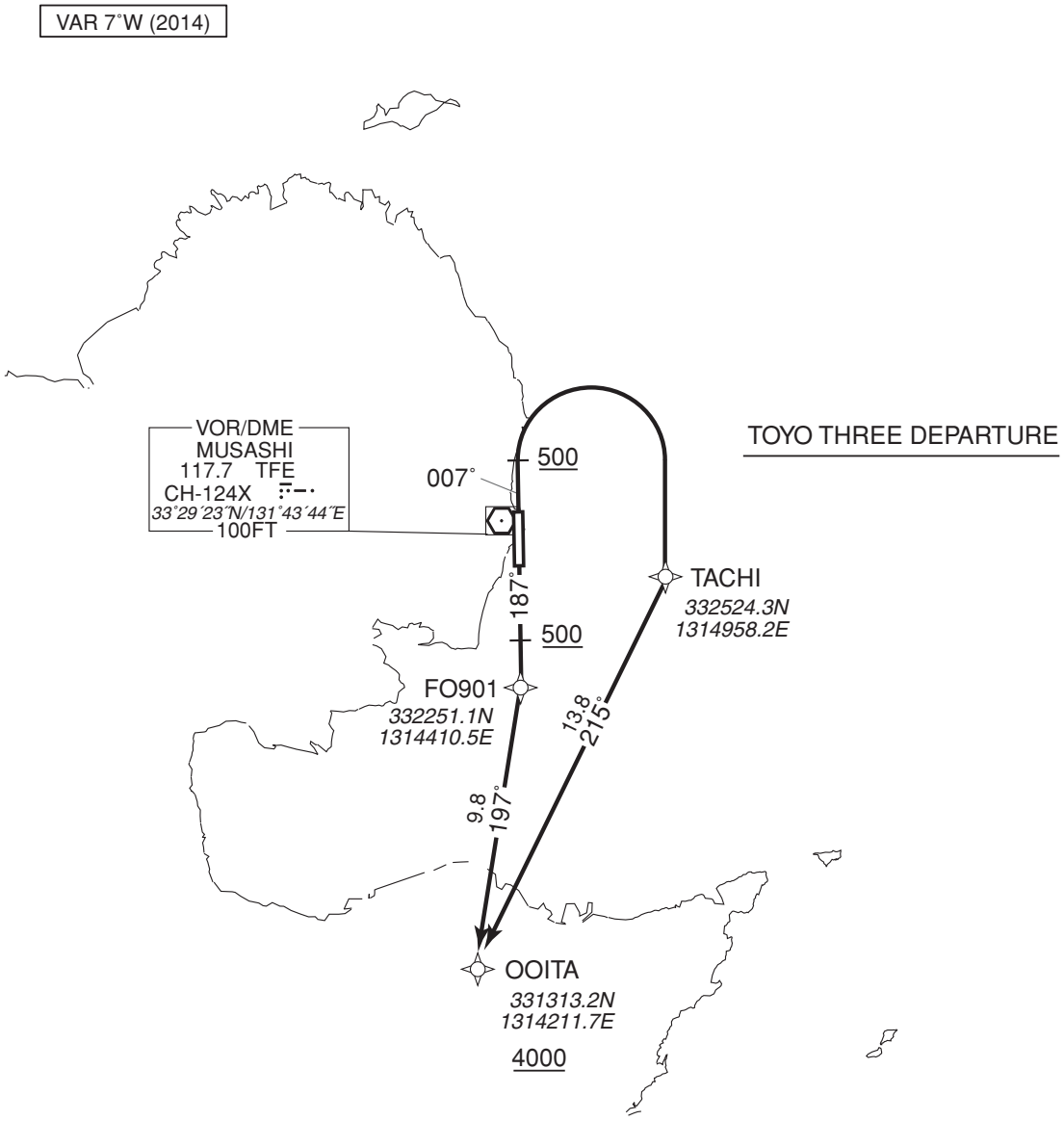
RWY19

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	—	—	187 (180.4)	-7.0	—	—	+500	—	—	RNAV1
002	DF	YANAI	—	—	-7.0	—	L	—	—	—	RNAV1

STANDARD DEPARTURE CHART- INSTRUMENT

RJFO / OITA RNAV SID

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



TOYO THREE DEPARTURE

RWY01 : Climb on HDG007˚ at or above 500FT, turn right direct to TACHI,...

RWY19 : Climb on HDG187˚ 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 266FT located at 2.5NM 351˚ FM end of RWY01.

STANDARD DEPARTURE CHART- INSTRUMENT

RJFO / OITA RNAV SID

TOYO 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	–	–	007 (000.4)	-7.0	–	–	+500	–	–	RNAV1
002	DF	TACHI	–	–	-7.0	–	R	–	–	–	RNAV1
003	TF	OOITA	–	215 (208.1)	-7.0	13.8	–	+4000	–	–	RNAV1

RWY19

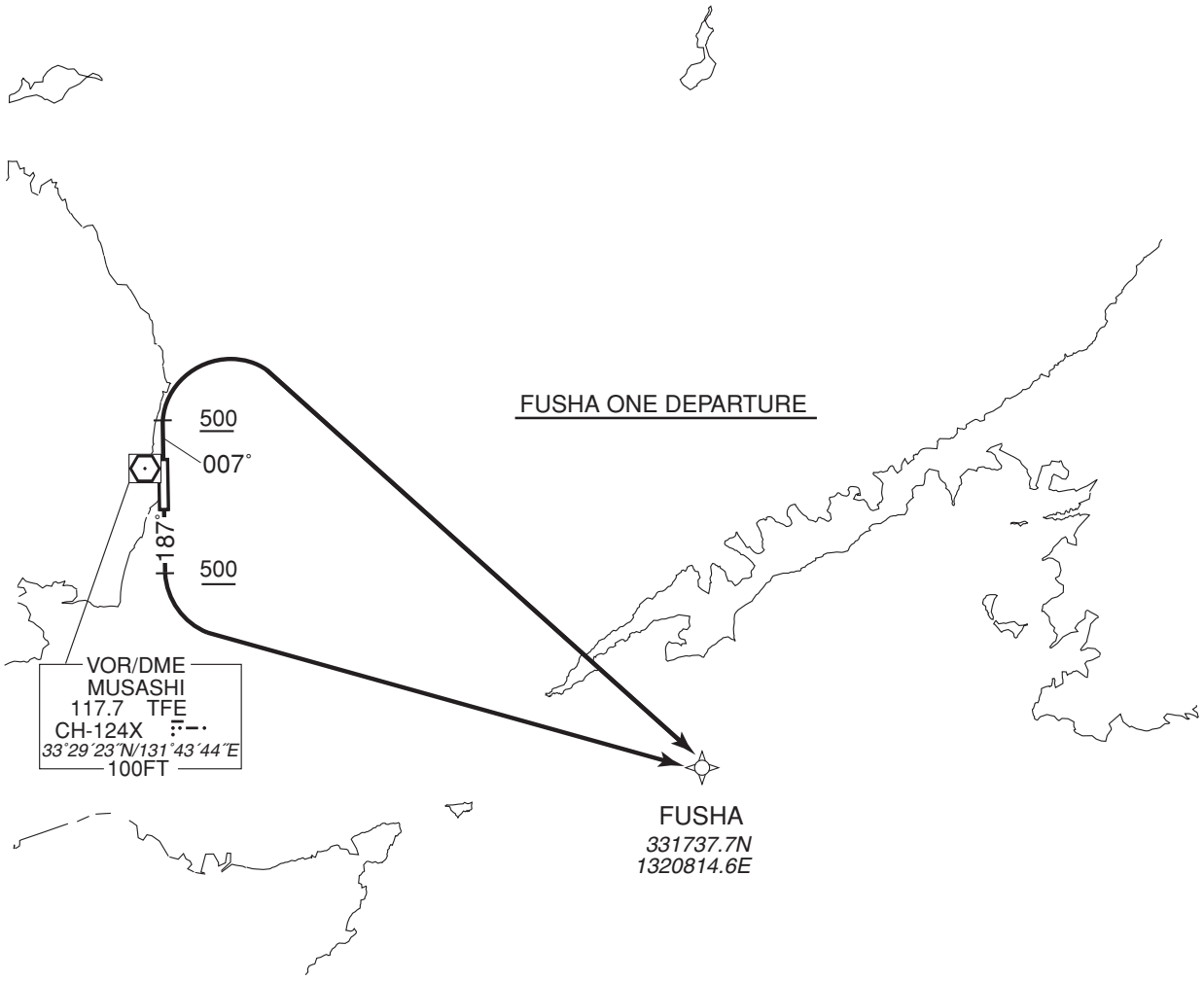
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	–	–	187 (180.4)	-7.0	–	–	+500	–	–	RNAV1
002	DF	FO901	–	–	-7.0	–	–	–	–	–	RNAV1
003	TF	OOITA	–	197 (189.8)	-7.0	9.8	–	+4000	–	–	RNAV1

STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA RNAV SID

FUSHA ONE 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. 2) RADAR service required.	Critical DME	RWY01 : MYE 25NM to FUSHA ～ 24NM to FUSHA
	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 7°W (2014)



FUSHA ONE DEPARTURE

RWY01 : Climb on HDG007° at or above 500FT, turn right direct to FUSHA.

RWY19 : Climb on HDG187° at or above 500FT, turn left direct to FUSHA.

Note RWY01 : 5.0% climb gradient required up to 500FT.
OBST ALT 266FT located at 2.5NM 351° FM end of RWY01.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA RNAV SID

FUSHA ONE 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	—	—	007 (000.4)	-7.0	—	—	+500	—	—	RNAV1
002	DF	FUSHA	—	—	-7.0	—	R	—	—	—	RNAV1

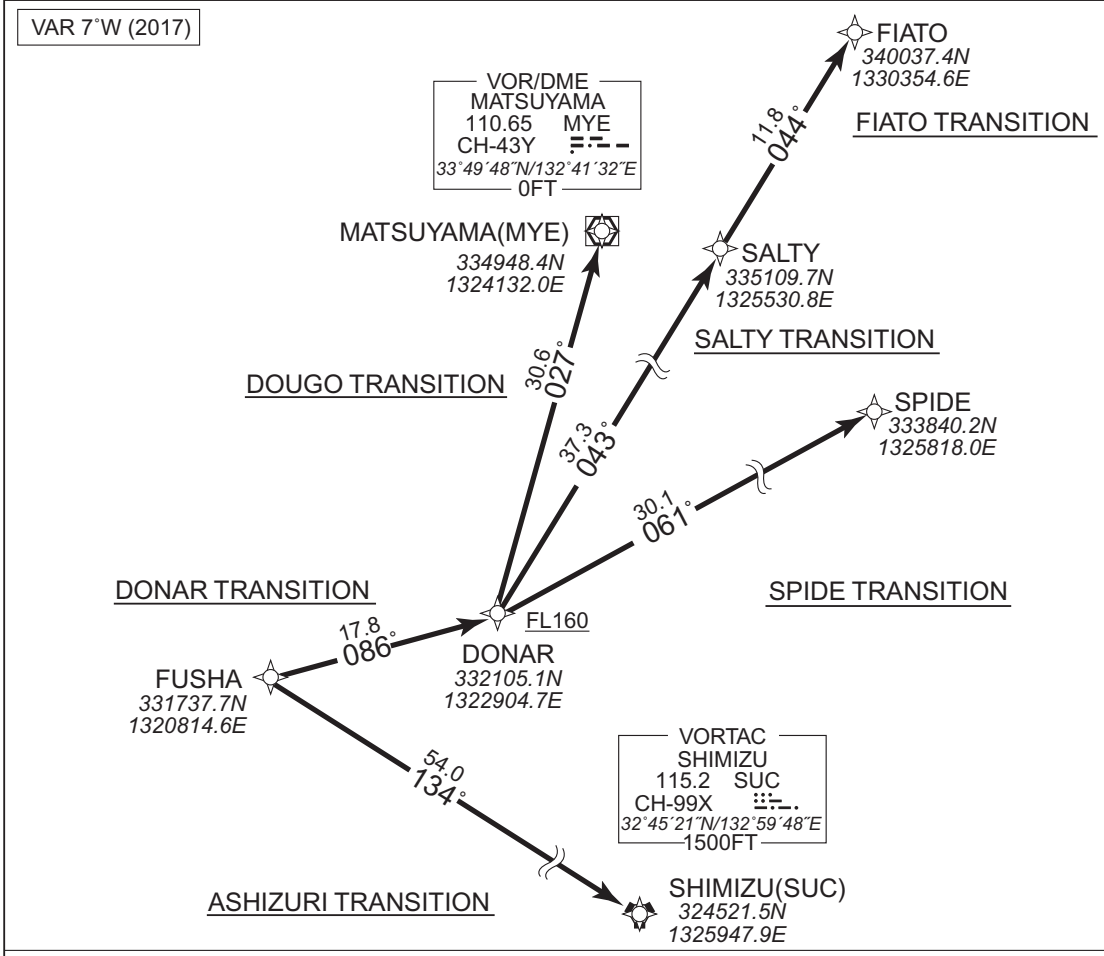
RWY19

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	—	—	187 (180.4)	-7.0	—	—	+500	—	—	RNAV1
002	DF	FUSHA	—	—	-7.0	—	L	—	—	—	RNAV1

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



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 : Critical DME deleted.

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	–	–	-7.4	–	–	–	–	–	RNAV1
002	TF	DONAR	–	086 (078.7)	-7.4	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	–	–	-7.4	–	–	–	–	–	RNAV1
002	TF	DONAR	–	086 (078.7)	-7.4	17.8	–	+FL160	–	–	RNAV1
003	TF	MYE	–	027 (019.8)	-7.4	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	–	–	-7.4	–	–	–	–	–	RNAV1
002	TF	DONAR	–	086 (078.7)	-7.4	17.8	–	+FL160	–	–	RNAV1
003	TF	SALTY	–	043 (036.1)	-7.4	37.3	–	–	–	–	RNAV1
004	TF	FIATO	–	044 (036.3)	-7.4	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	–	–	-7.4	–	–	–	–	–	RNAV1
002	TF	DONAR	–	086 (078.7)	-7.4	17.8	–	+FL160	–	–	RNAV1
003	TF	SALTY	–	043 (036.1)	-7.4	37.3	–	–	–	–	RNAV1

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	–	–	-7.4	–	–	–	–	–	RNAV1
002	TF	DONAR	–	086 (078.7)	-7.4	17.8	–	+FL160	–	–	RNAV1
003	TF	SPIDE	–	061 (054.1)	-7.4	30.1	–	–	–	–	RNAV1

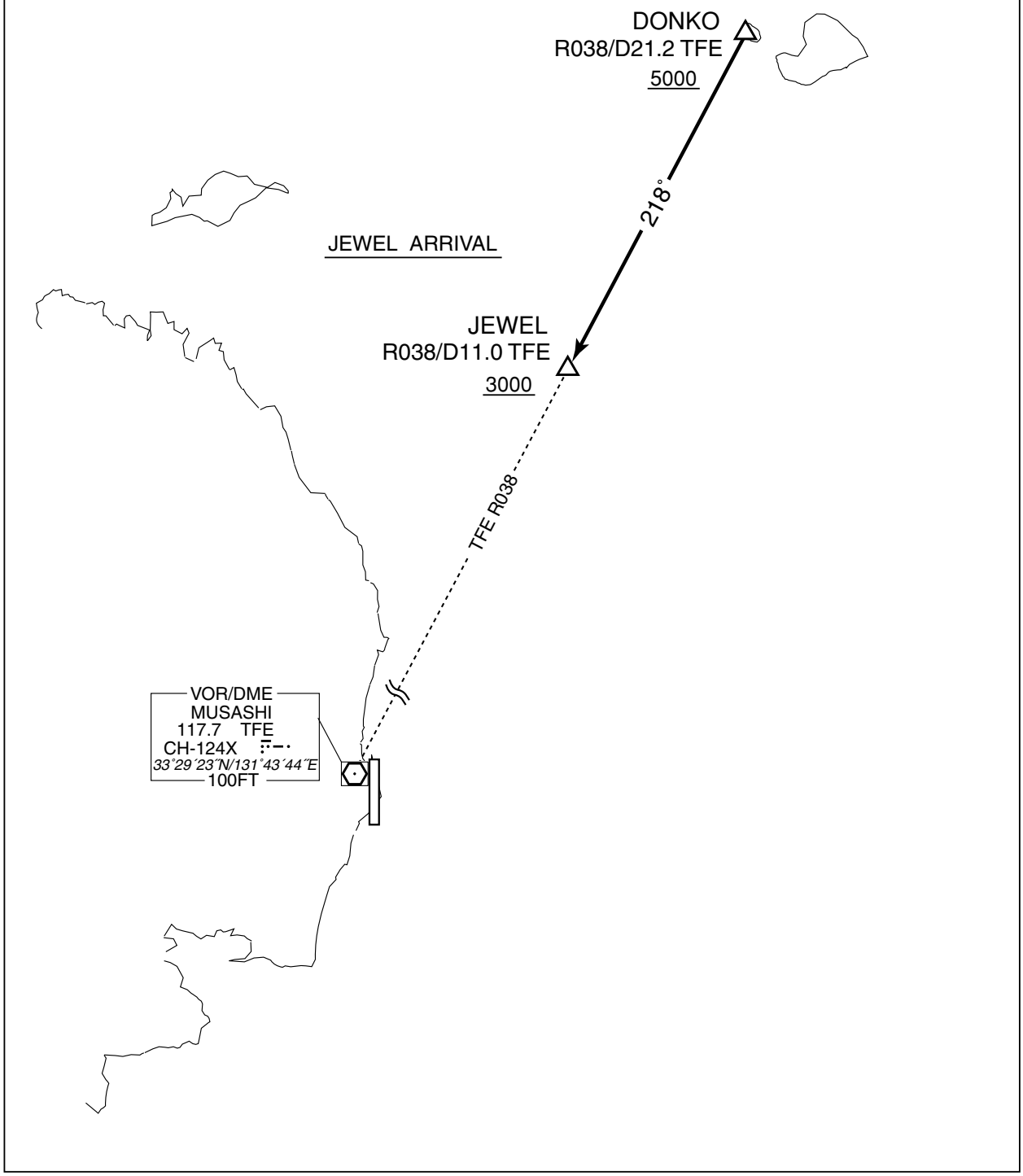
ASHIZURI TRANSITION

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	–	–	-7.4	–	–	–	–	–	RNAV1
002	TF	SUC	–	134 (126.5)	-7.4	54.0	–	–	–	–	RNAV1

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.



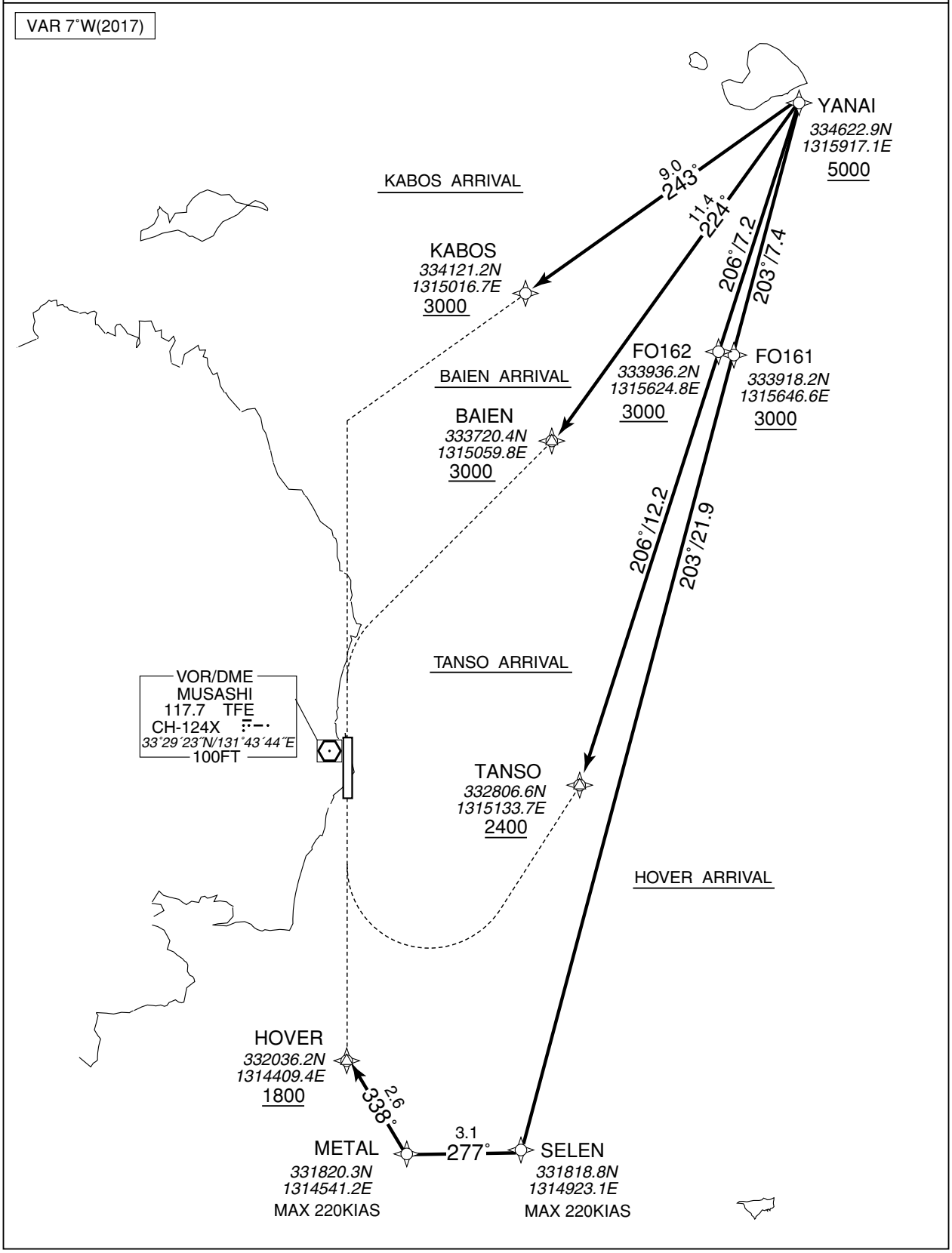
STANDARD ARRIVAL CHART- INSTRUMENT

RJFO / OITA

RNAV STAR

KABOS ARRIVAL / BAIEN ARRIVAL HOVER ARRIVAL / TANSO ARRIVAL	RNAV1

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



STANDARD ARRIVAL CHART - INSTRUMENT

RJFO / OITA RNAV STAR

KABOS ARRIVAL

From YANAI at or above 5000FT, to KABOS 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	–	–	-7.4	–	–	+5000	–	–	RNAV1
002	TF	KABOS	–	243 (236.2)	-7.4	9.0	–	+3000	–	–	RNAV1

HOVER ARRIVAL

From YANAI at or above 5000FT, to FO161 at or above 3000FT, to SELEN, to METAL, to HOVER 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	–	–	-7.4	–	–	+5000	–	–	RNAV1
002	TF	FO161	–	203 (196.4)	-7.4	7.4	–	+3000	–	–	RNAV1
003	TF	SELEN	–	203 (196.4)	-7.4	21.9	–	–	-220	–	RNAV1
004	TF	METAL	–	277 (270.5)	-7.4	3.1	–	–	-220	–	RNAV1
005	TF	HOVER	–	338 (330.5)	-7.4	2.6	–	+1800	–	–	RNAV1

STANDARD ARRIVAL CHART - INSTRUMENT

RJFO / OITA RNAV STAR

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	–	–	-7.4	–	–	+5000	–	–	RNAV1
002	TF	BAIEN	–	224 (217.4)	-7.4	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	–	–	-7.4	–	–	+5000	–	–	RNAV1
002	TF	FO162	–	206 (199.4)	-7.4	7.2	–	+3000	–	–	RNAV1
003	TF	TANSO	–	206 (199.4)	-7.4	12.2	–	+2400	–	–	RNAV1

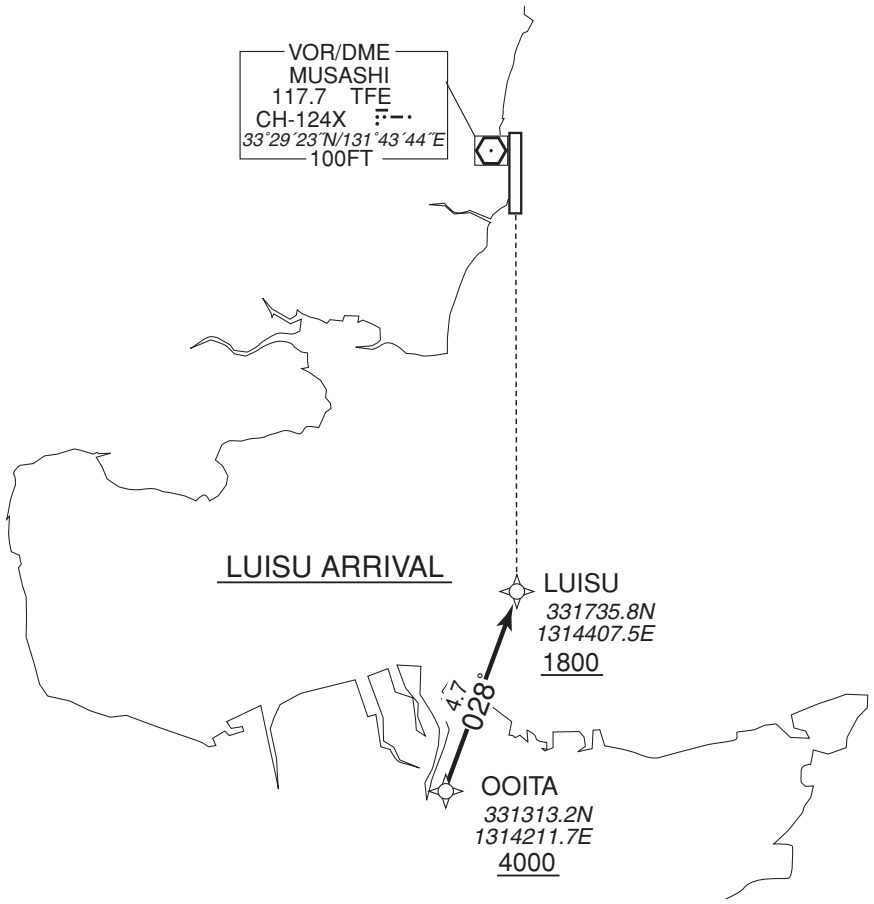
STANDARD ARRIVAL CHART - INSTRUMENT

RJFO / OITA RNAV STAR

LUISU ARRIVAL	RNAV1

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

VAR 7˚W(2016)



LUISU ARRIVAL

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

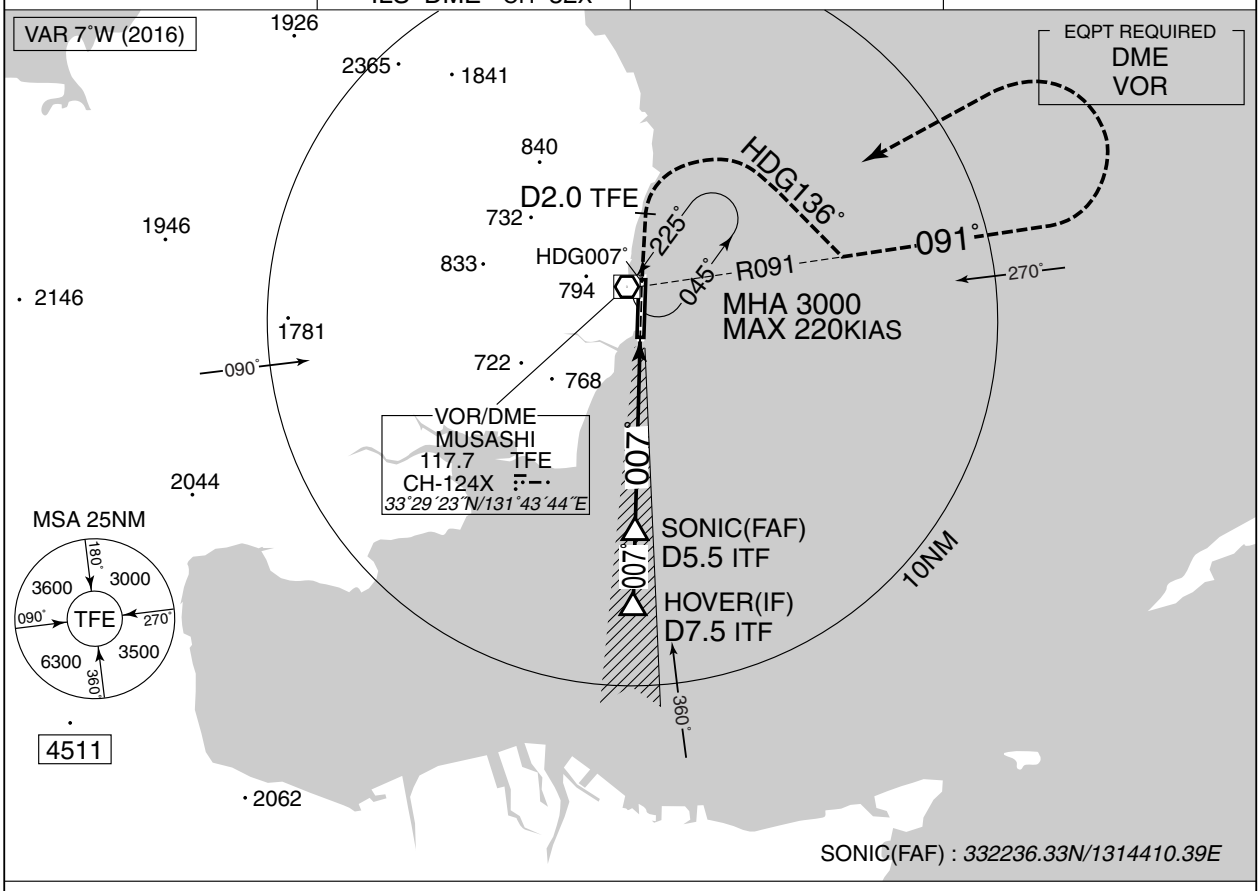
Critical DME	–
DME GAP	–
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

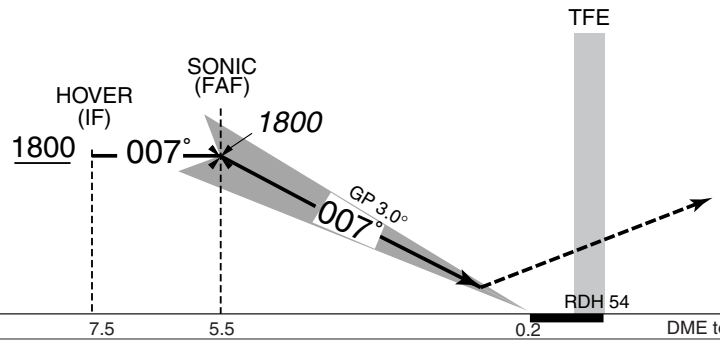
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	OOITA	–	–	-7.3	–	–	+4000	–	–	RNAV1
002	TF	LUISU	–	028 (020.2)	-7.3	4.7	–	+1800	–	–	RNAV1

INSTRUMENT APPROACH CHART

RJFO / OITA ILS Z RWY01

OITA APP	ILS-LOC	OITA TOWER	RADAR AVBL
120.6	111.5 ITF ILS–GP 332.9 ILS–DME CH–52X	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.

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)	3200

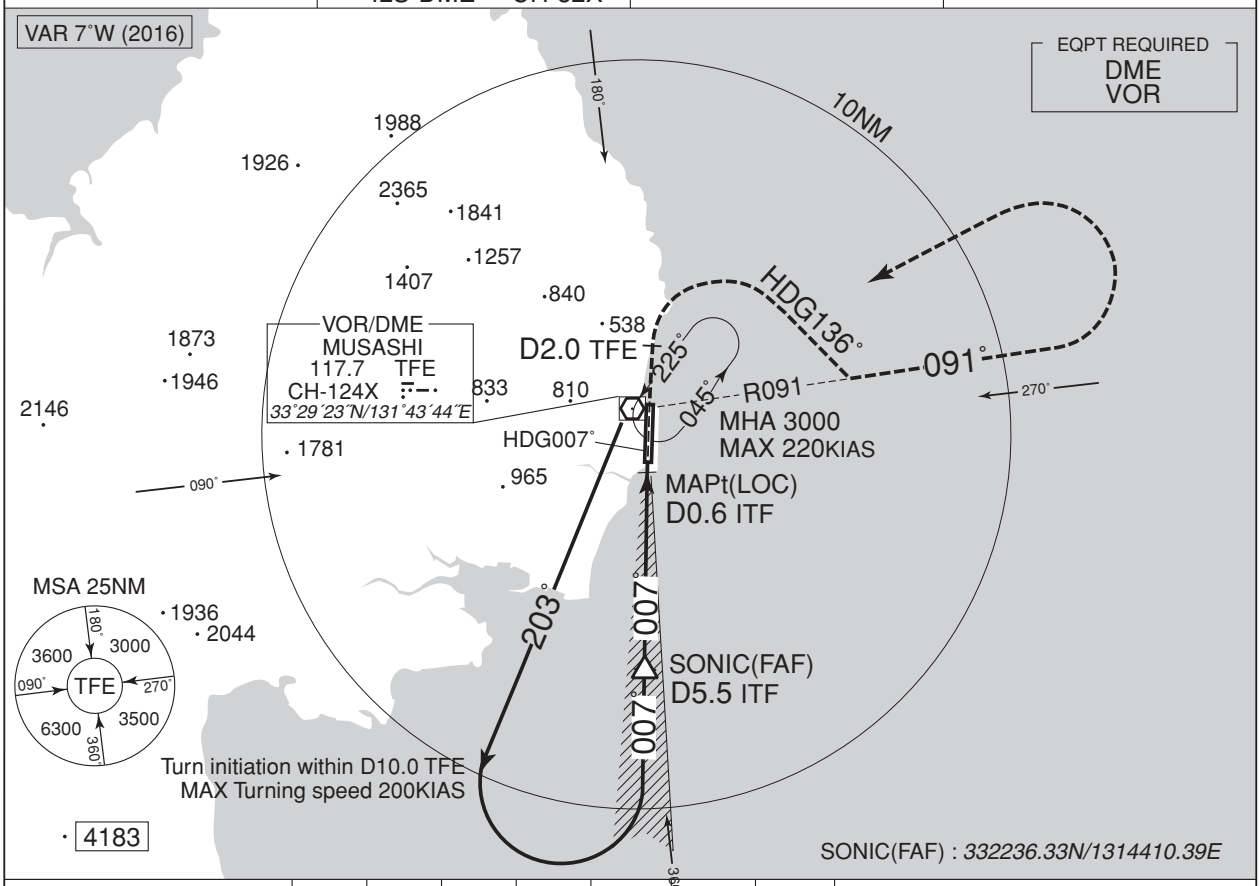
MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

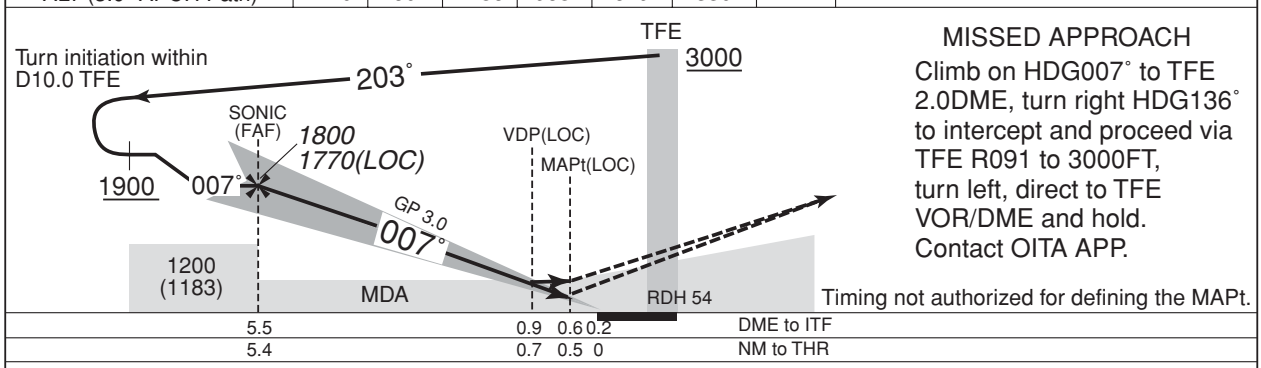
RJFO / OITA

ILS Y or LOC Y RWY01

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



NM to ITF	FAF	5	4	3	2	1	MAPt
ALT (3.0˚ APCH Path)	1770	1604	1286	968	649	330	–



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.

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					690 (673)	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.

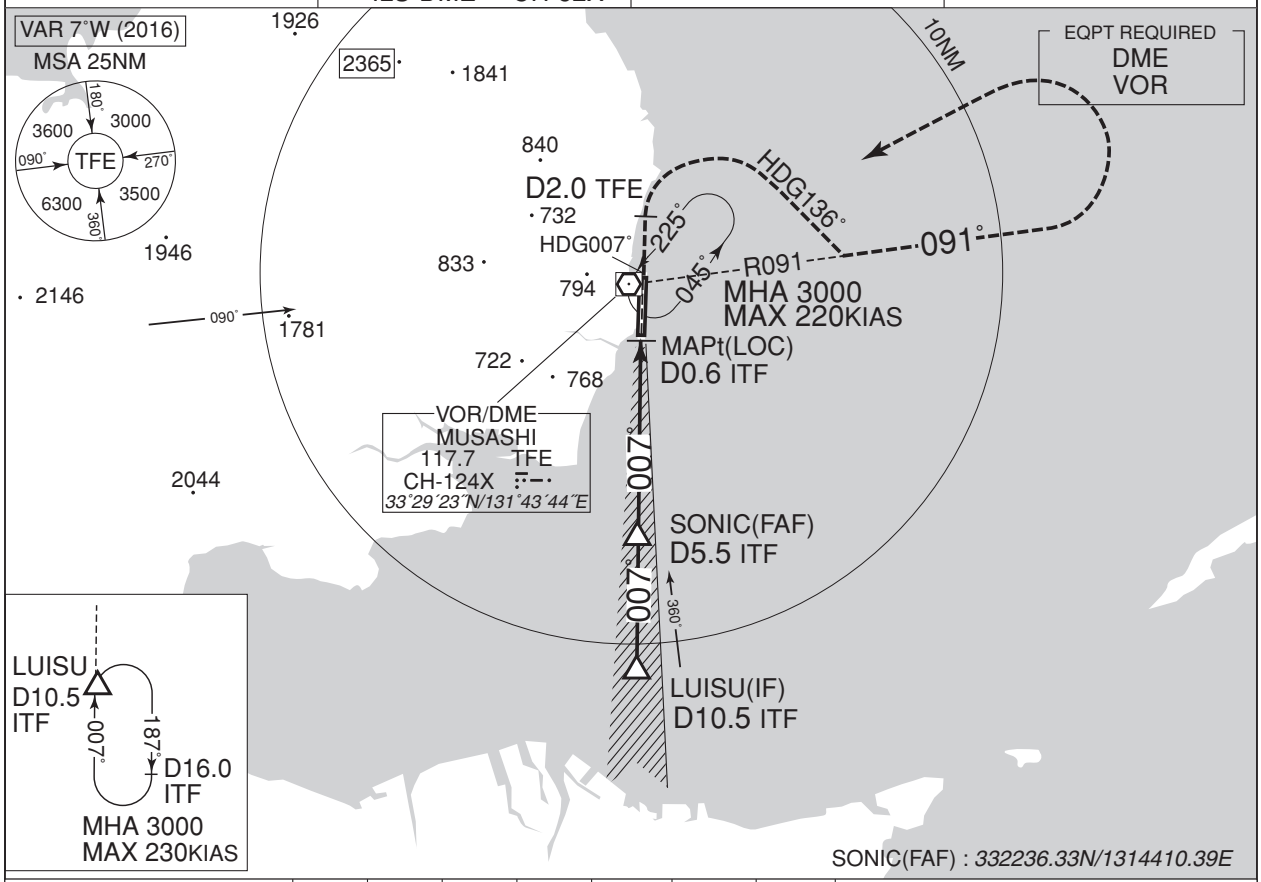
CHANGE : MDA(H), VDP

INSTRUMENT APPROACH CHART

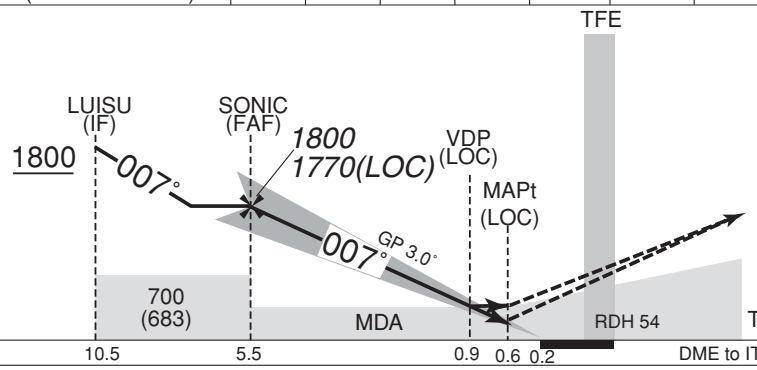
RJFO / OITA

ILS X or LOC X RWY01

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



NM to ITF	FAF	5	4	3	2	1	MAPt
ALT (3.0° APCH Path)	1770	1604	1286	968	649	330	–



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.

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					690 (673)	2400
D				1200	760 (743)	3200

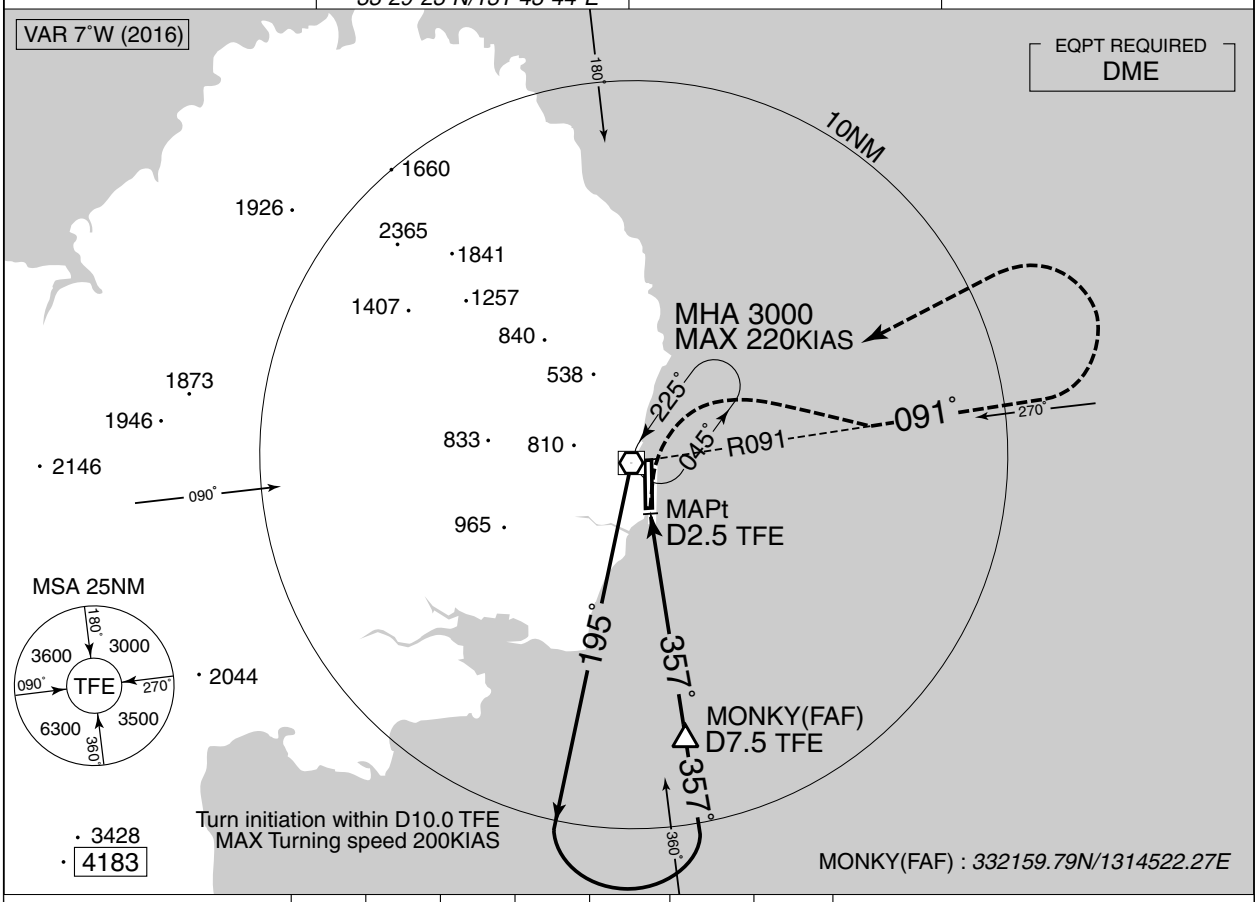
MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to EAST side of RWY only.

CHANGE : MDA(H), VDP

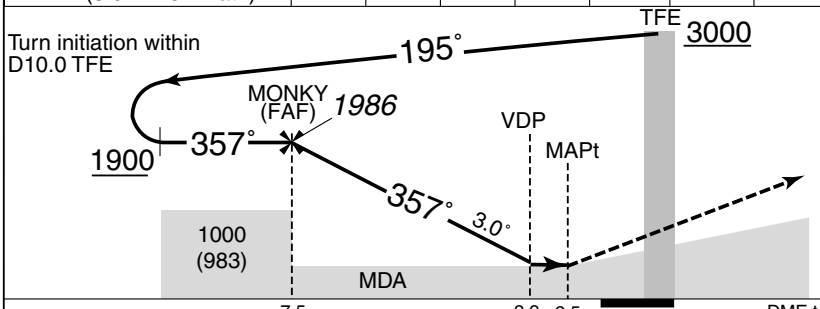
INSTRUMENT APPROACH CHART

RJFO / OITA VOR RWY01

OITA APP	MUSASHI VOR/DME 117.7 TFE CH–124X	OITA TOWER	RADAR AVBL
120.6	*33°29′23″N/131°43′44″E*	118.8 – 126.2	ATIS 127.8



NM to TFE	FAF	7	6	5	4	3	MAPt
ALT (3.0° APCH Path)	1986	1825	1507	1189	871	552	–



MISSED APPROACH

Turn right, climb to 3000FT via TFE R091, turn left, direct to TFE VOR/DME and hold. Contact OITA APP.

Timing not authorized for defining the MAPt.

MINIMA THR elev. 19 AD elev. 17

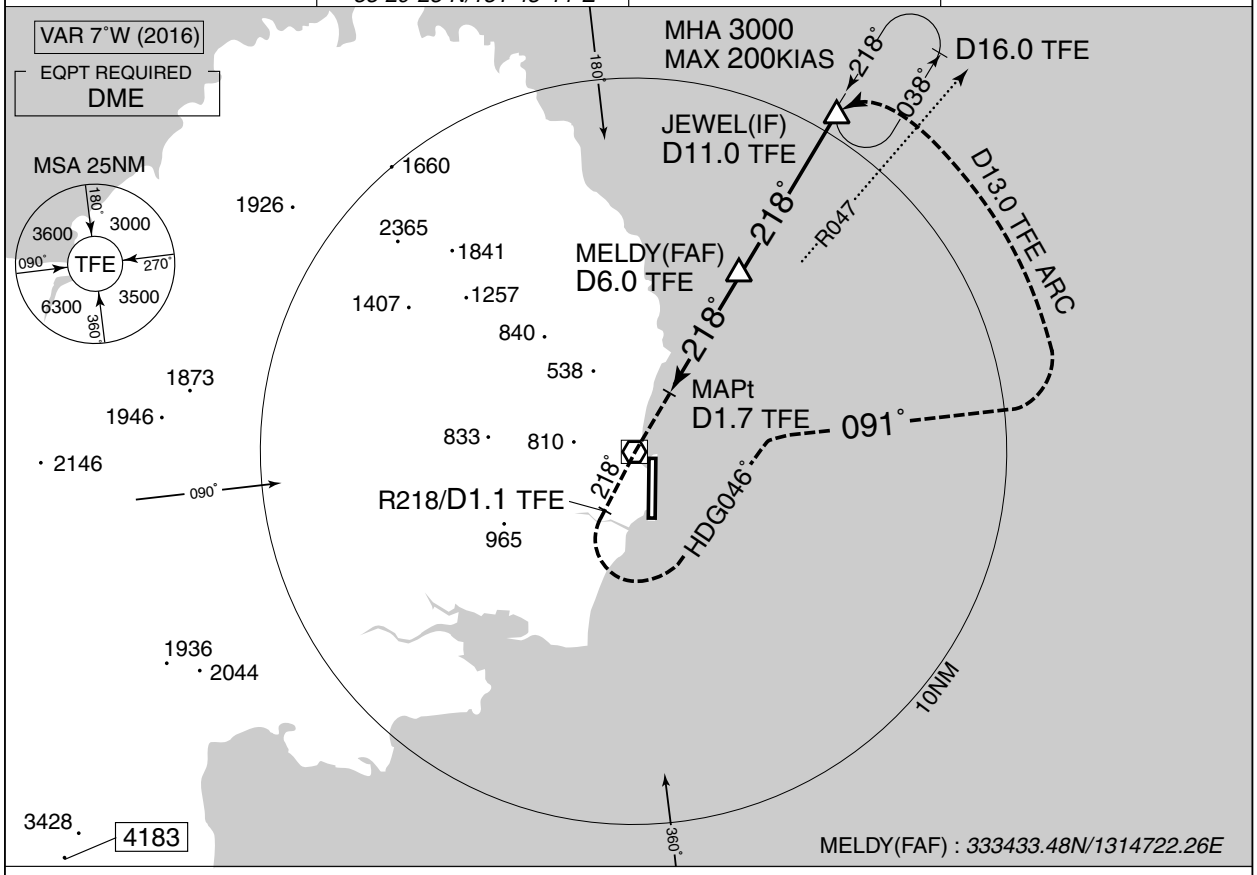
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	500 (483)	1000	500 (483)	1600
B		1200		
C			690 (673)	2400
D		1600	760 (743)	3200

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

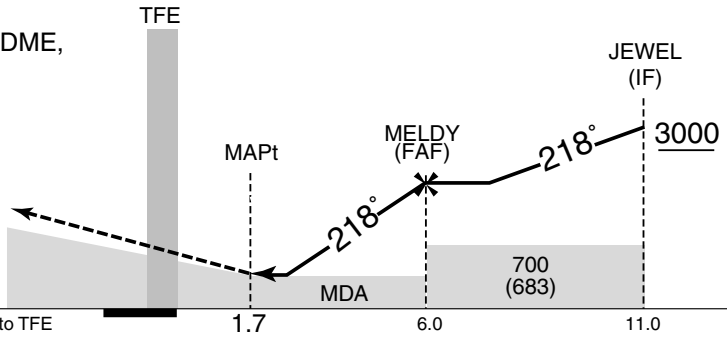
RJFO / OITA VOR A

OITA APP	MUSASHI VOR/DME	OITA TOWER	RADAR AVBL
120.6	117.7 TFE CH–124X *33˚29´23˝N/131˚43´44˝E*	118.8 – 126.2	ATIS 127.8



MISSED APPROACH
Climb to 3000FT via TFE R218 to TFE 1.1DME, turn left HDG046˚ to intercept and proceed via TFE R091 to TFE 13.0DME, turn left, via TFE 13.0DME counterclockwise ARC to intercept and proceed via TFE R038 to JEWEL and hold.
Contact OITA APP.

Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 5.0%.

MINIMA		AD elev. 17
CAT	CIRCLING	
	MDA(H)	VIS
A	440 (423)	1600
B	480 (463)	
C	660 (643)	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 APPRAOCH CHART

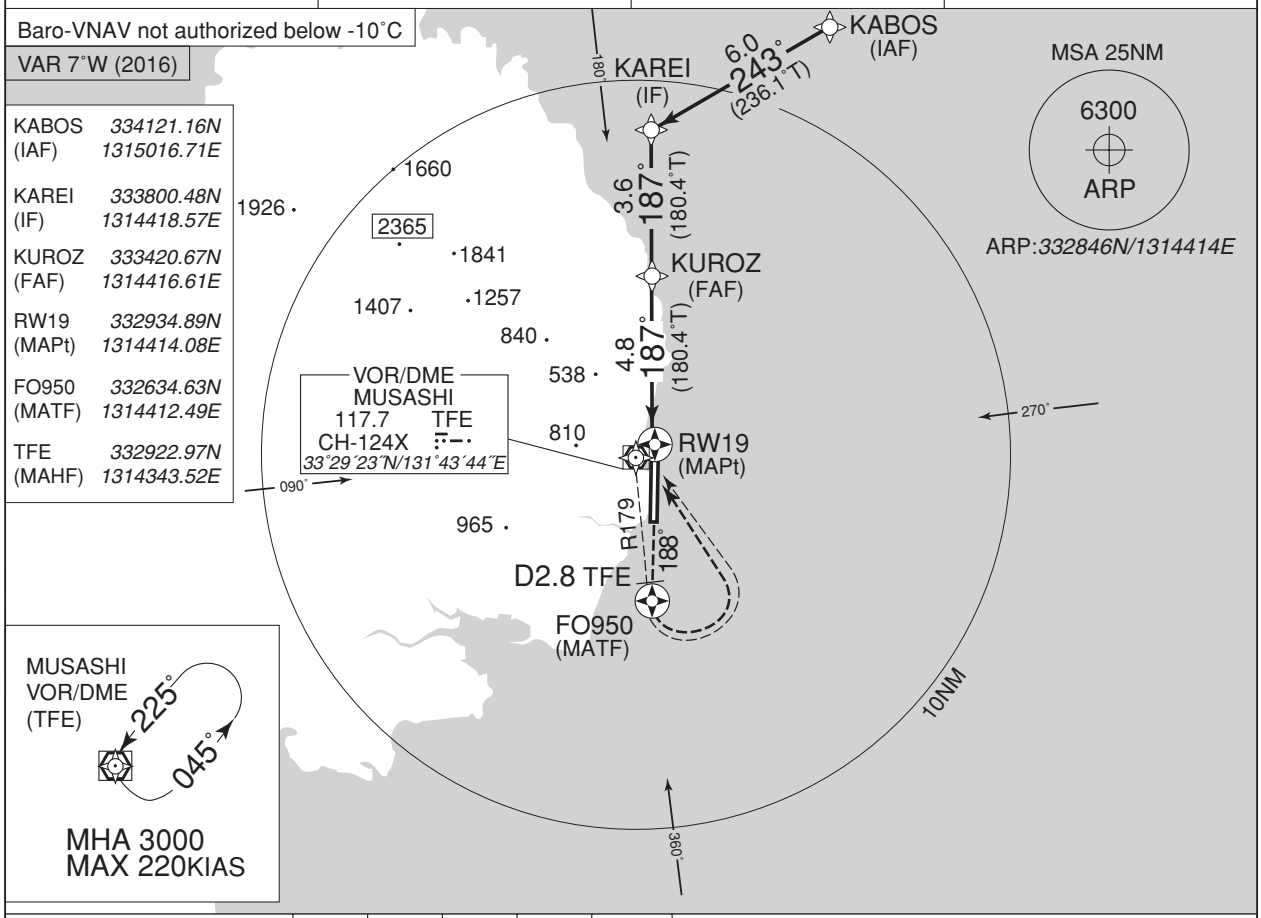
RJFO / OITA — RNAV(GNSS) Z RWY19

OITA APP		OITA TOWER	RADAR AVBL
120.6	1. DME/DME not authorized. 2. RADAR service required. 3. GNSS required.	118.8 – 126.2	ATIS 127.8

Baro-VNAV not authorized below -10˚C

VAR 7˚W (2016)

KABOS (IAF)	*334121.16N* *1315016.71E*
KAREI (IF)	*333800.48N* *1314418.57E*
KUROZ (FAF)	*333420.67N* *1314416.61E*
RW19 (MAPt)	*332934.89N* *1314414.08E*
FO950 (MATF)	*332634.63N* *1314412.49E*
TFE (MAHF)	*332922.97N* *1314343.52E*

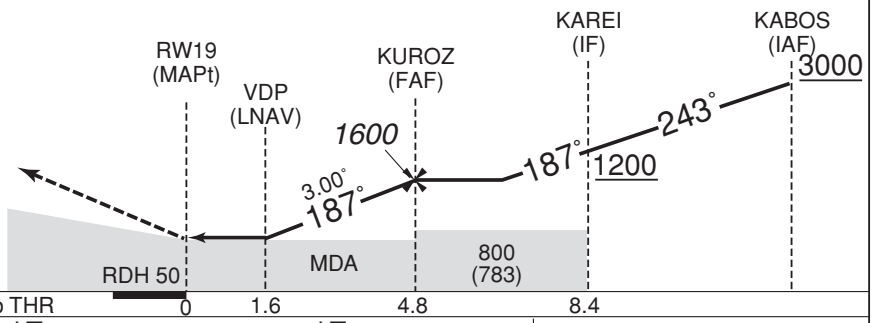


NM to Next Fix	MAPt	2	3	4	FAF
ALT (3.0˚ APCH Path)	–	703	1021	1340	1600

MISSED APPROACH

Climb direct to FO950, turn left direct to TFE and hold at 3000FT.
Contact OITA APP.

(For using VOR/DME)
Climb via TFE R179 to TFE 2.8DME, turn left, direct to TFE VOR/DME and hold at 3000FT.
Contact OITA APP.



MINIMA THR elev. 17 AD elev. 17

CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	580 (563)	1400	580 (563)	1400	580 (563)	1600
B		1500		1500		
C		1600		1600	690 (673)	2400
D		1800		1800	760 (743)	3200

Circling to EAST side of RWY only

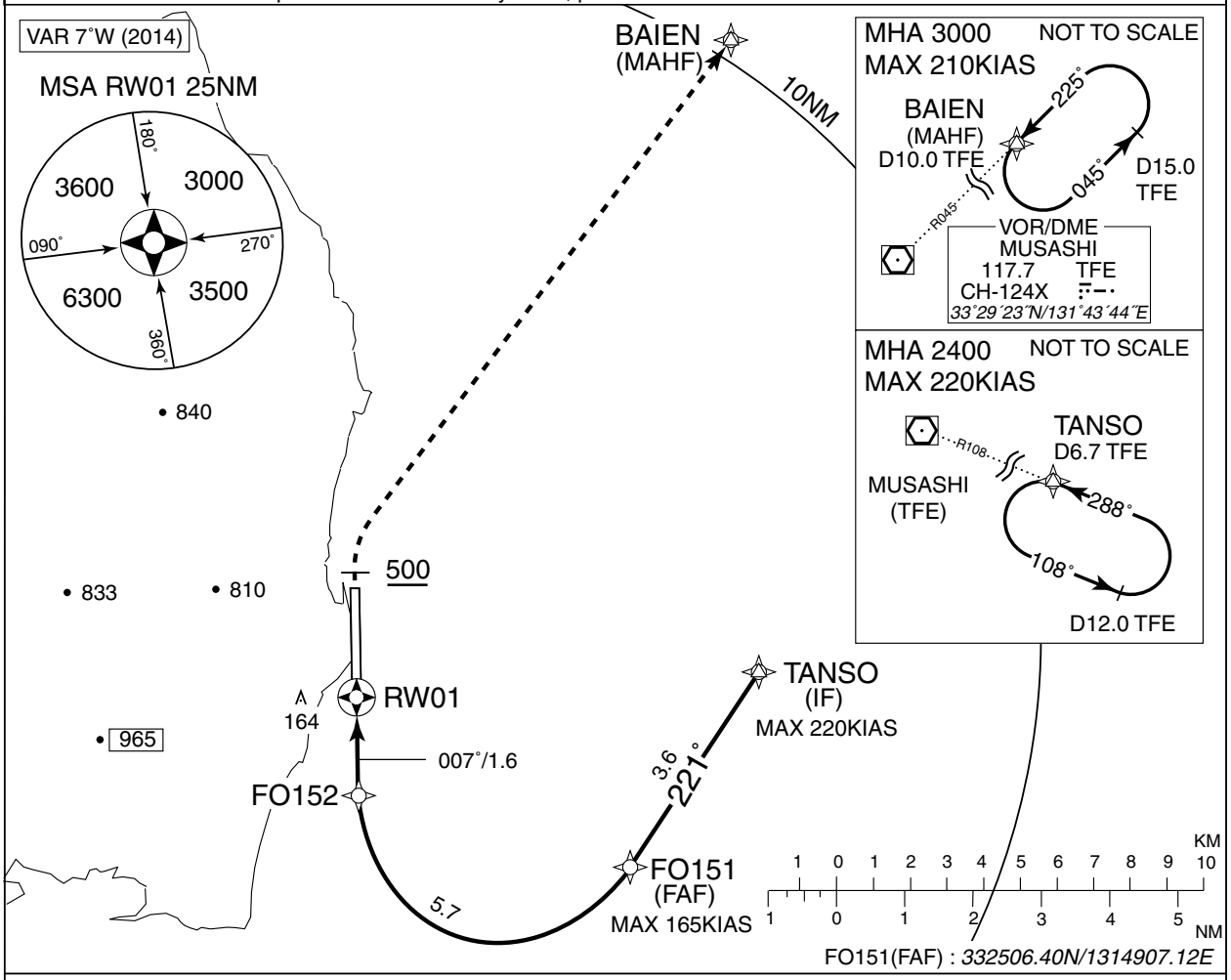
CHANGE : : Editorial

INSTRUMENT APPRAOCH CHART

RJFO / OITA — RNAV(RNP) RWY01

OITA APP		OITA TOWER	RADAR AVBL
120.6	GNSS and RF required.	118.8 – 126.2	ATIS 127.8

For uncompensated Baro-VNAV systems, procedure not authorized below -5˚C / above 45˚C

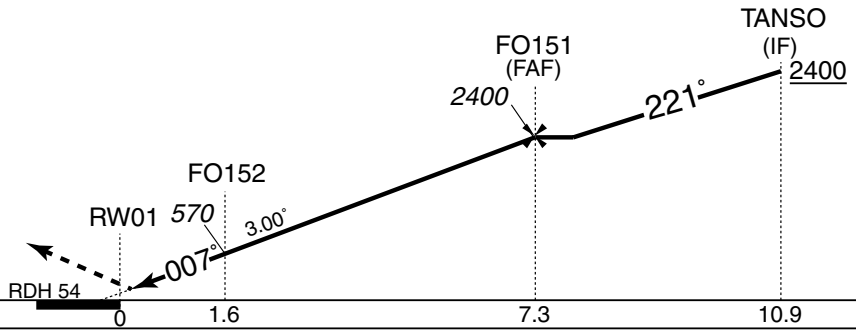


FO151(FAF) : *332506.40N/1314907.12E*

MISSED APPROACH

From RW01 on track 007˚,
at or above 500FT turn right,
direct to BAIEN and hold at
3000FT.

Contact OITA APP.



Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 19 AD elev. 17		
CAT	RNP 0.30	
	DA(H)	RVR/CMV
A	-	-
B		
C	326 (307)	1000
D		1400

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

RNP AR
Special Authorization Required

INSTRUMENT APPRAOCH CHART

RJFO / OITA RNAV(RNP) RWY01

RNAV(RNP) RWY01

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	—	—	-7.0	—	—	+2400	-220	—	—
002	TF	FO151	—	221 (214.2)	-7.0	3.6	—	2400	-165	—	1.0
003	RF Center: FORF1 r=2.25NM	FO152	—	—	-7.0	5.7	R	570	—	-3.00	0.3
004	TF	RW01	Y	007 (000.4)	-7.0	1.6	—	73	—	-3.00/54	0.3
005	FA	—	—	007 (000.4)	-7.0	—	—	+500	—	—	1.0
006	DF	BAIEN	—	—	-7.0	—	R	3000	—	—	1.0

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*		

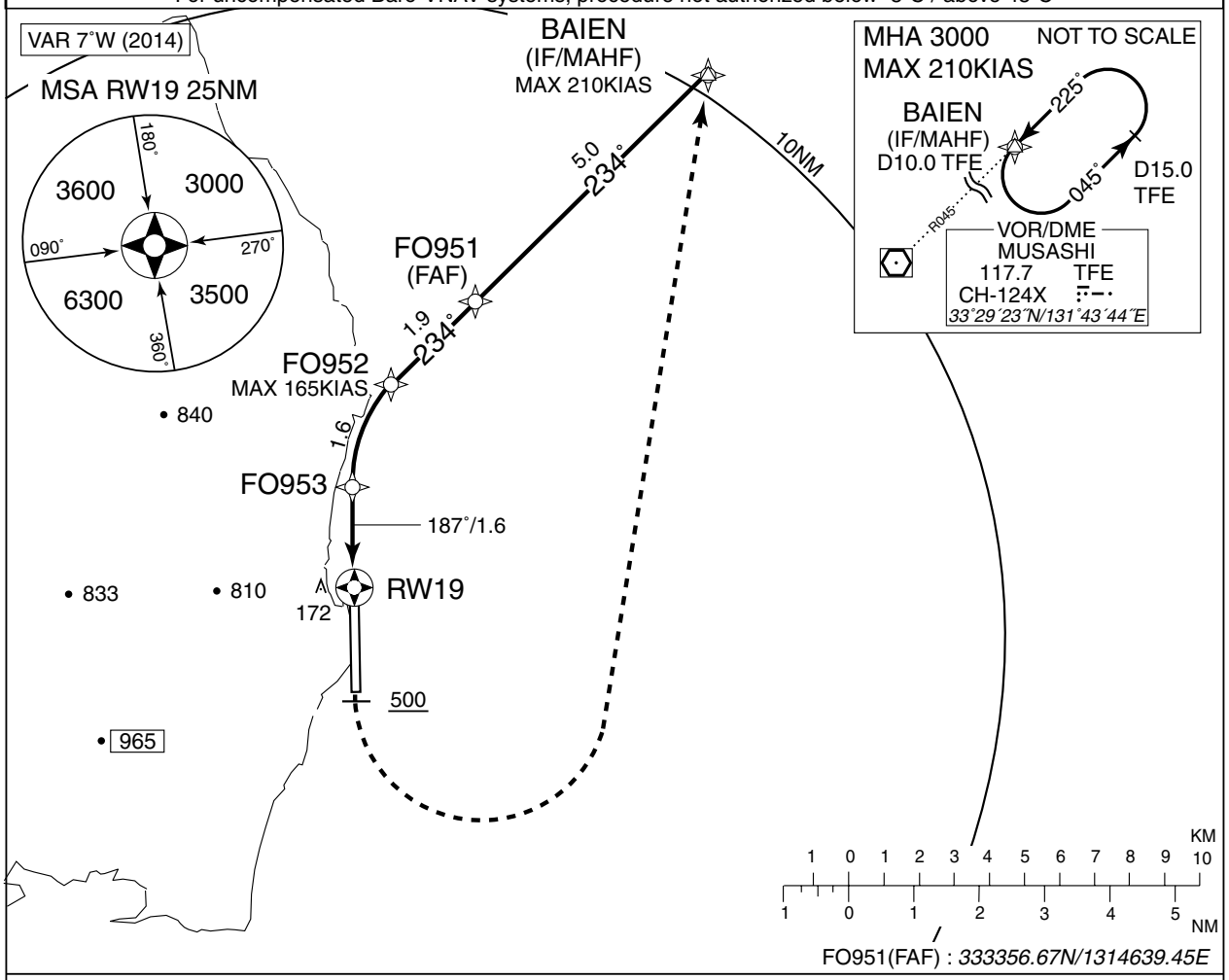
INSTRUMENT APPRAOCH CHART

RJFO / OITA

RNAV(RNP) Y RWY19

OITA APP		OITA TOWER	RADAR AVBL
120.6	GNSS and RF required.	118.8 – 126.2	ATIS 127.8

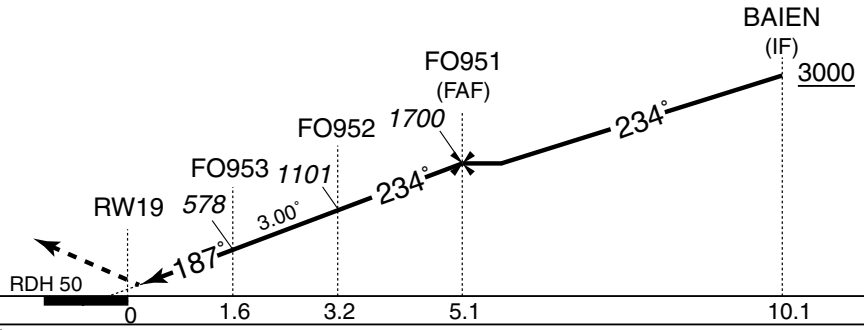
For uncompensated Baro-VNAV systems, procedure not authorized below -5˚C / above 45˚C



MISSED APPROACH

From RW19 on track 187˚, 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
A	-	-
B		
C	334 (317)	1400
D		1600

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

RNP AR

Special Authorization Required

INSTRUMENT APPRAOCH CHART

RJFO / OITA RNAV(RNP) Y RWY19

RNAV(RNP) Y RWY19

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	—	—	-7.0	—	—	+3000	-210	—	—
002	TF	FO951	—	234 (226.8)	-7.0	5.0	—	1700	—	—	1.0
003	TF	FO952	—	234 (226.8)	-7.0	1.9	—	1101	-165	-3.00	0.3
004	RF Center: FORF2 r=2.02NM	FO953	—	—	-7.0	1.6	L	578	—	-3.00	0.3
005	TF	RW19	Y	187 (180.4)	-7.0	1.6	—	67	—	-3.00/50	0.3
006	FA	—	—	187 (180.4)	-7.0	—	—	+500	—	—	1.0
007	DF	BAIEN	—	—	-7.0	—	L	3000	—	—	1.0

Waypoint Coordinates

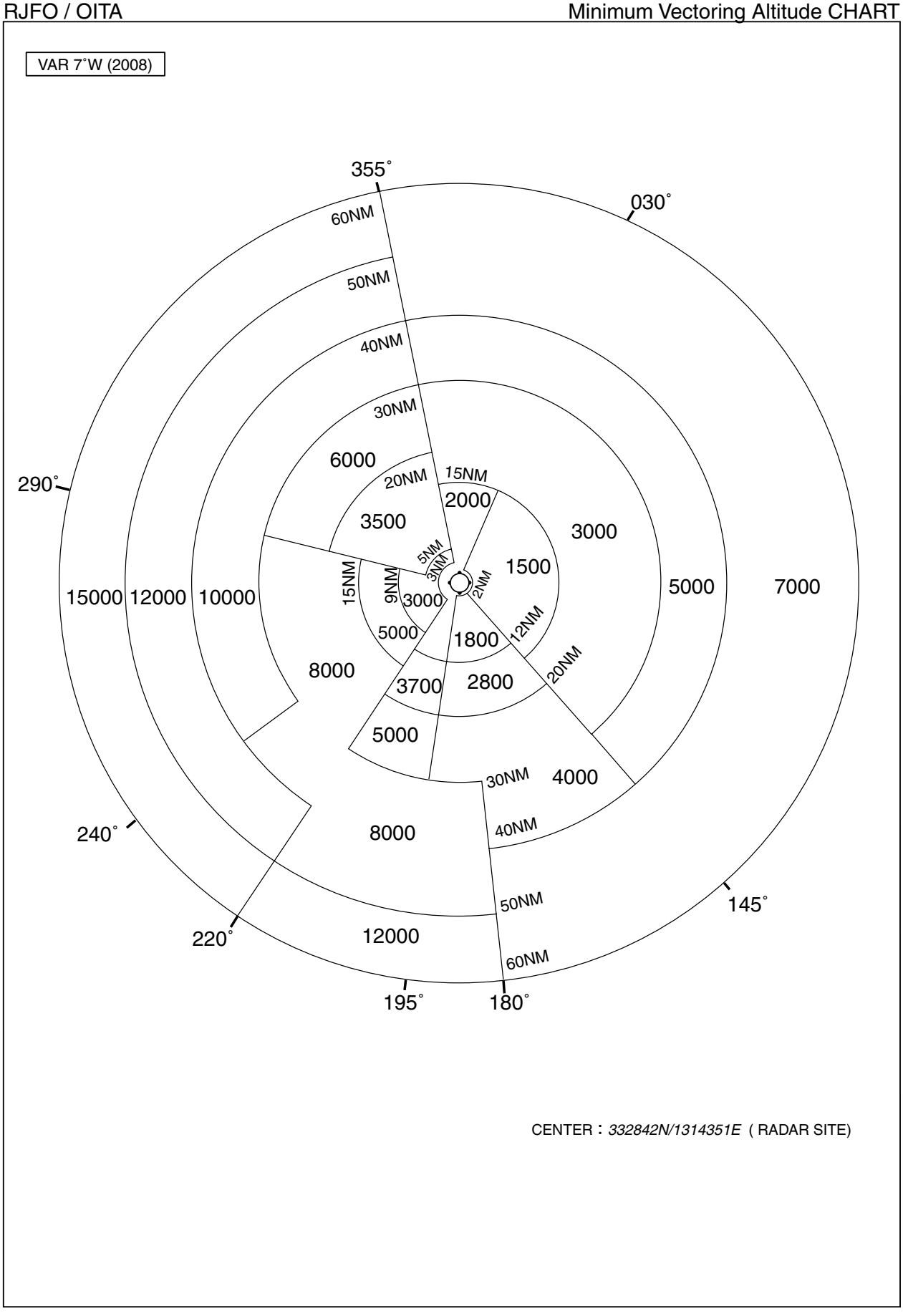
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
BAIEN	*333720.39N/1315059.77E*	FORF2	*333110.65N/1314640.11E*
FO951	*333356.67N/1314639.45E*		
FO952	*333239.42N/1314500.88E*		
FO953	*333111.58N/1314414.94E*		
RW19	*332934.89N/1314414.08E*		

RJFO / OITA

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 : 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