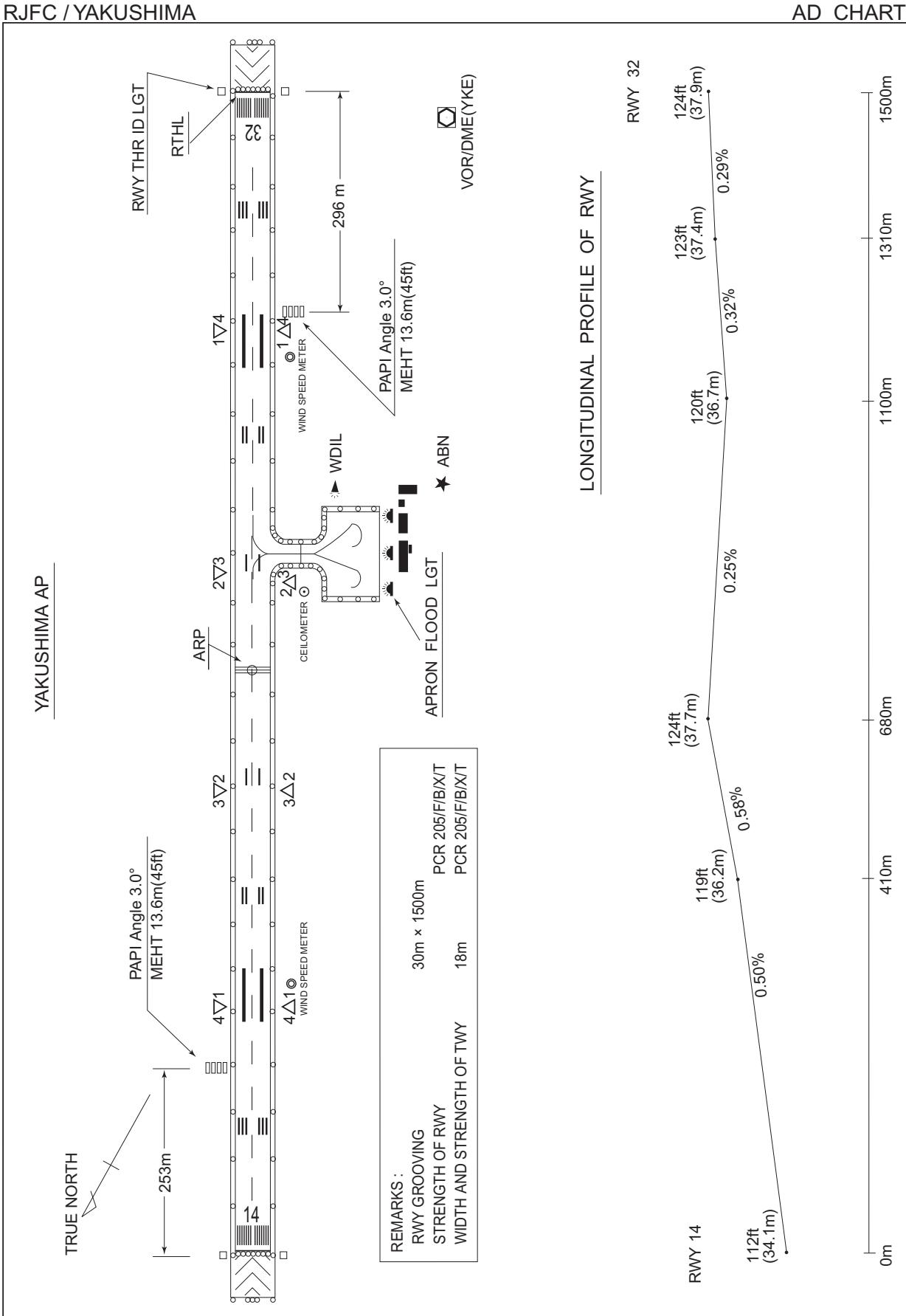


CHANGE : Description of strength of pavement.



STANDARD DEPARTURE CHART-INSTRUMENT

RJFC / YAKUSHIMA

SID

NAKATANE FOUR DEPARTURE

RWY14 : Climb RWY HDG to 560FT, turn left HDG014°...

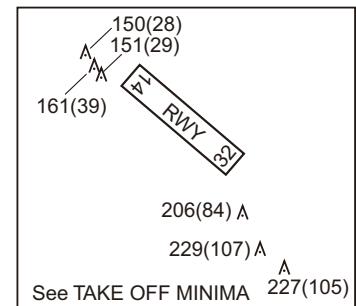
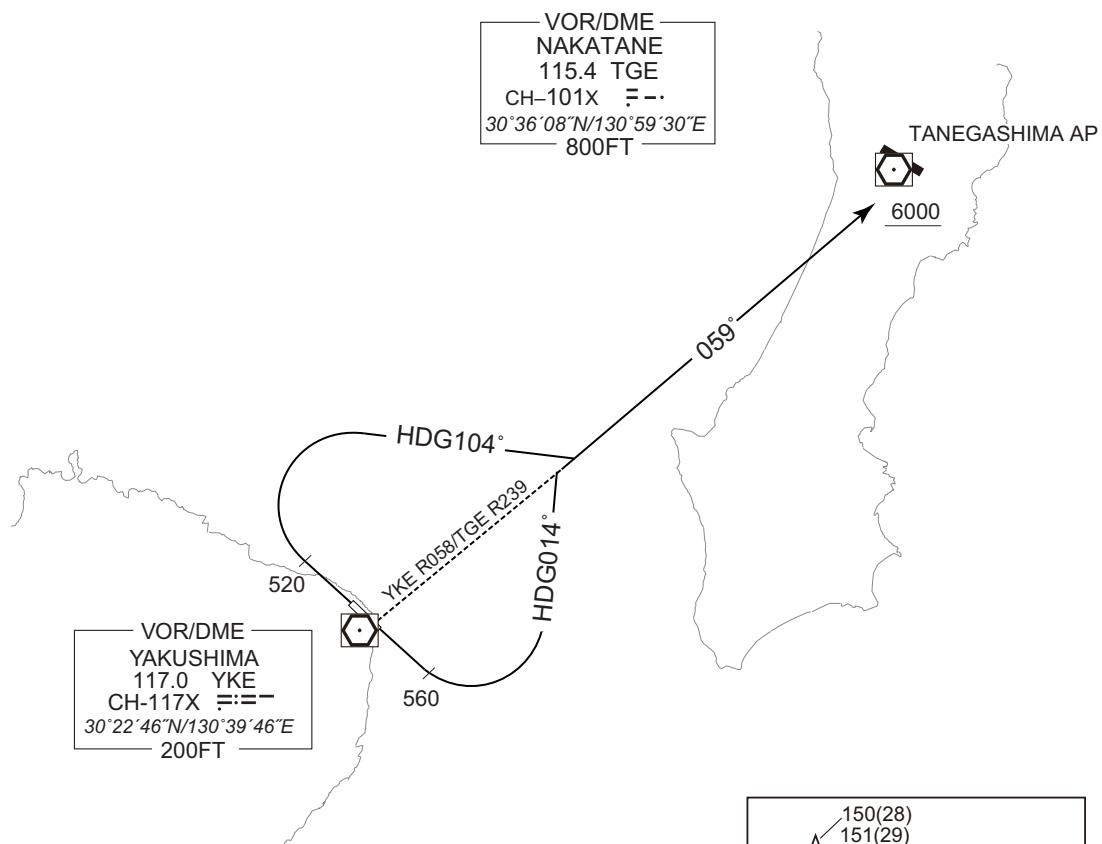
RWY32 : Climb RWY HDG to 520FT, turn right HDG104°...

... to intercept and proceed via YKE R058/TGE R239 to TGE VOR/DME.
Cross TGE VOR/DME at or above 6000FT.

Note RWY14 : In case of climbing with 8.8% gradient up to 560FT,
another TKOF WX MINIMA is applicable.

OBST ALT 206FT located at 0.2NM 180° FM end of RWY14.

CHANGE : PROC renamed. KAGOSHIMA SEVEN DEPARTURE abolished. PROC course. Note. OBST chart added.



STANDARD DEPARTURE CHART -INSTRUMENT

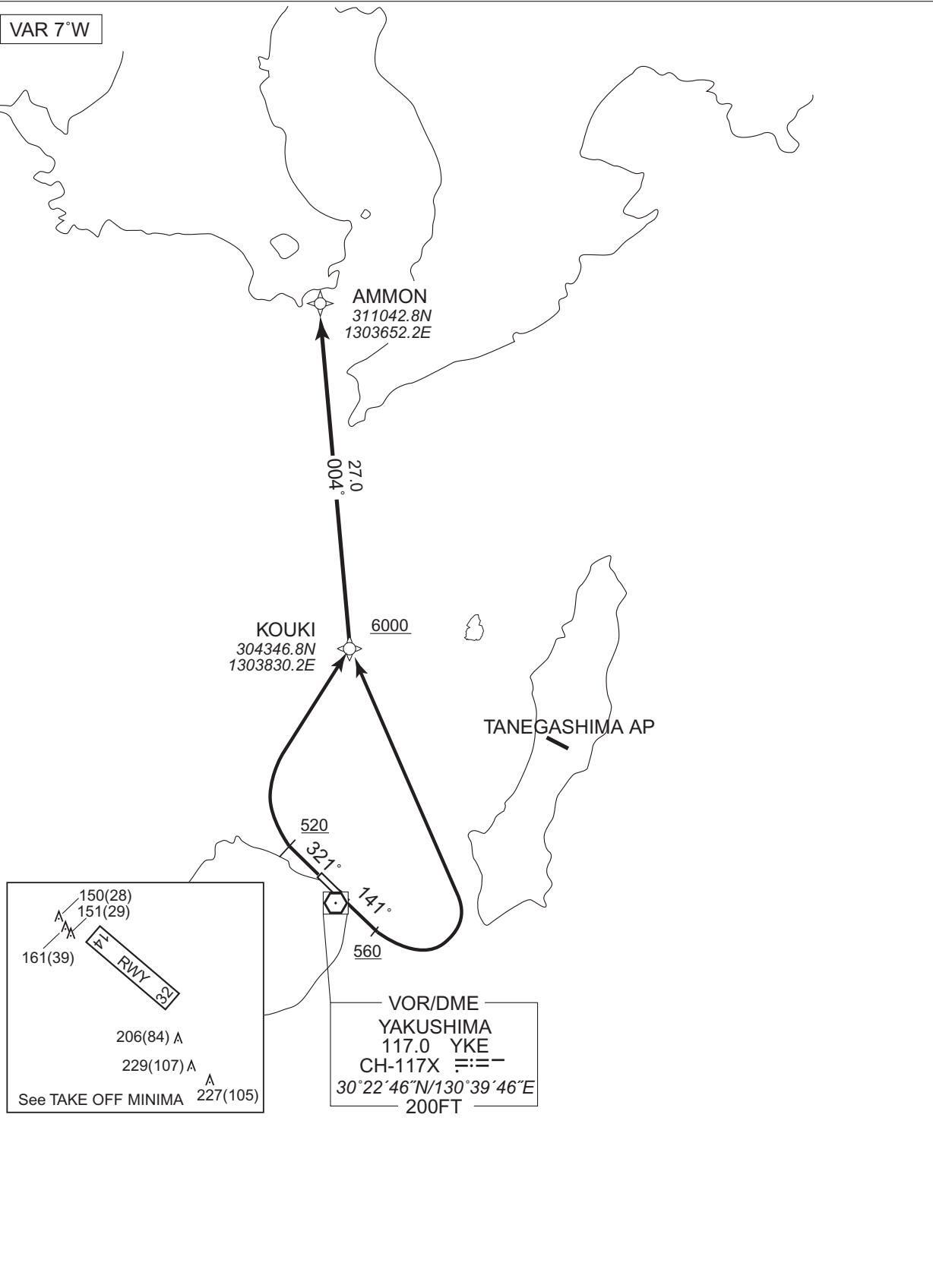
RJFC / YAKUSHIMA

RNAV SID

AMMON FOUR DEPARTURE

RNP1

Note GNSS required.



STANDARD DEPARTURE CHART -INSTRUMENT

RJFC / YAKUSHIMA

RNAV SID

AMMON FOUR DEPARTURE

RWY14 : Climb on HDG 141° at or above 560FT, turn left direct to KOUKI at or above 6000FT, to AMMON.

RWY32 : Climb on HDG 321° at or above 520FT, turn right direct to KOUKI at or above 6000FT, to AMMON.

Note RWY14 : In case of climbing with 8.8% gradient up to 560FT,
another TKOF WX MINIMA is applicable.

OBST ALT 206FT located at 0.2NM 180° FM end of RWY14.

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	-	-	141 (134.0)	-6.9	-	-	+560	-	-	RNP1
002	DF	KOUKI	-	-	-6.9	-	L	+6000	-	-	RNP1
003	TF	AMMON	-	004 (357.0)	-6.9	27.0	-	-	-	-	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	-	-	321 (314.0)	-6.9	-	-	+520	-	-	RNP1
002	DF	KOUKI	-	-	-6.9	-	R	+6000	-	-	RNP1
003	TF	AMMON	-	004 (357.0)	-6.9	27.0	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART -INSTRUMENT

RJFC / YAKUSHIMA

RNAV SID

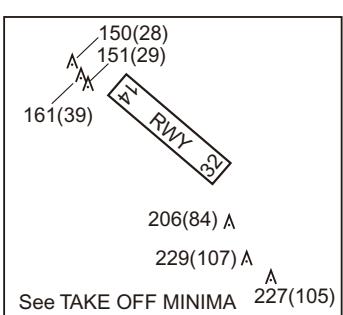
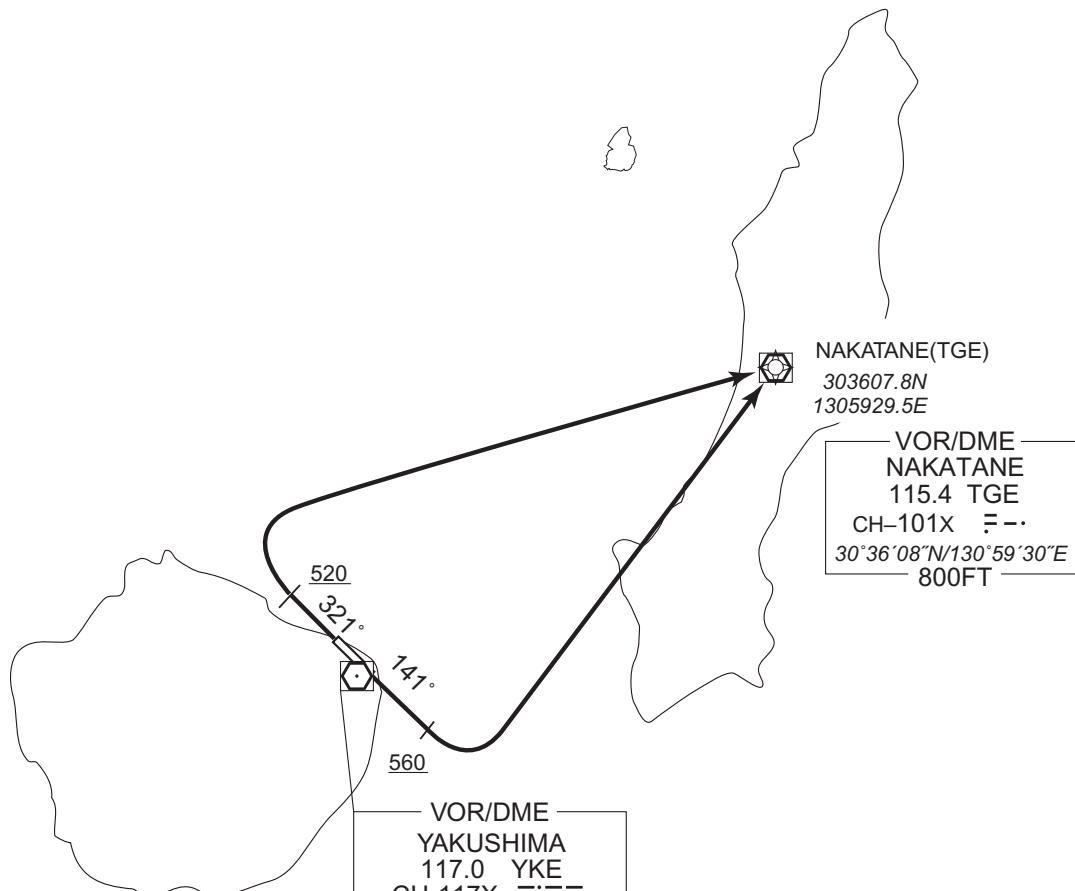
SURF TWO DEPARTURE

RNP1

Note GNSS required.

VAR 7°W

CHANGE : Navigation Specification(Basic RNP1 → RNP1).



STANDARD DEPARTURE CHART -INSTRUMENT

RJFC / YAKUSHIMA

RNAV SID

SURF TWO DEPARTURE

RWY14 : Climb on HDG 141° at or above 560FT, turn left direct to TGE.

RWY32 : Climb on HDG 321° at or above 520FT, turn right direct to TGE.

Note RWY14 : In case of climbing with 8.8% gradient up to 560FT,

another TKOF WX MINIMA is applicable.

OBST ALT 206FT located at 0.2NM 180° FM end of RWY14.

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	-	-	141 (134.0)	-6.9	-	-	+560	-	-	RNP1
002	DF	TGE	-	-	-6.9	-	L	-	-	-	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	-	-	321 (314.0)	-6.9	-	-	+520	-	-	RNP1
002	DF	TGE	-	-	-6.9	-	R	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT

RJFC / YAKUSHIMA

STAR

CEDAR ARRIVAL

From over TGE VOR/DME, via TGE R217 to CEDAR.

Cross CEDAR at or above 2200 FT.

CHANGE : JOMON ARRIVAL abolished.



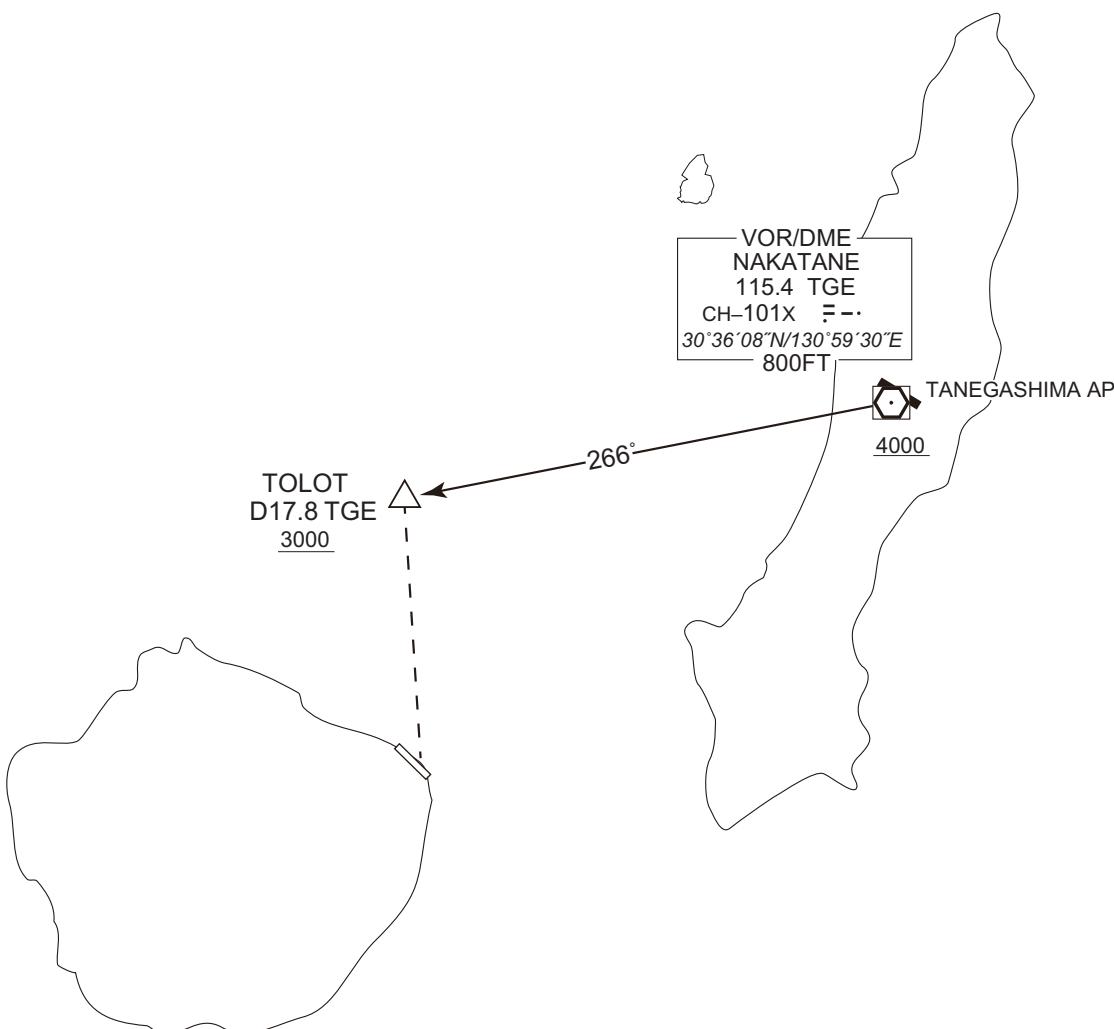
STANDARD ARRIVAL CHART-INSTRUMENT

RJFC / YAKUSHIMA

STAR

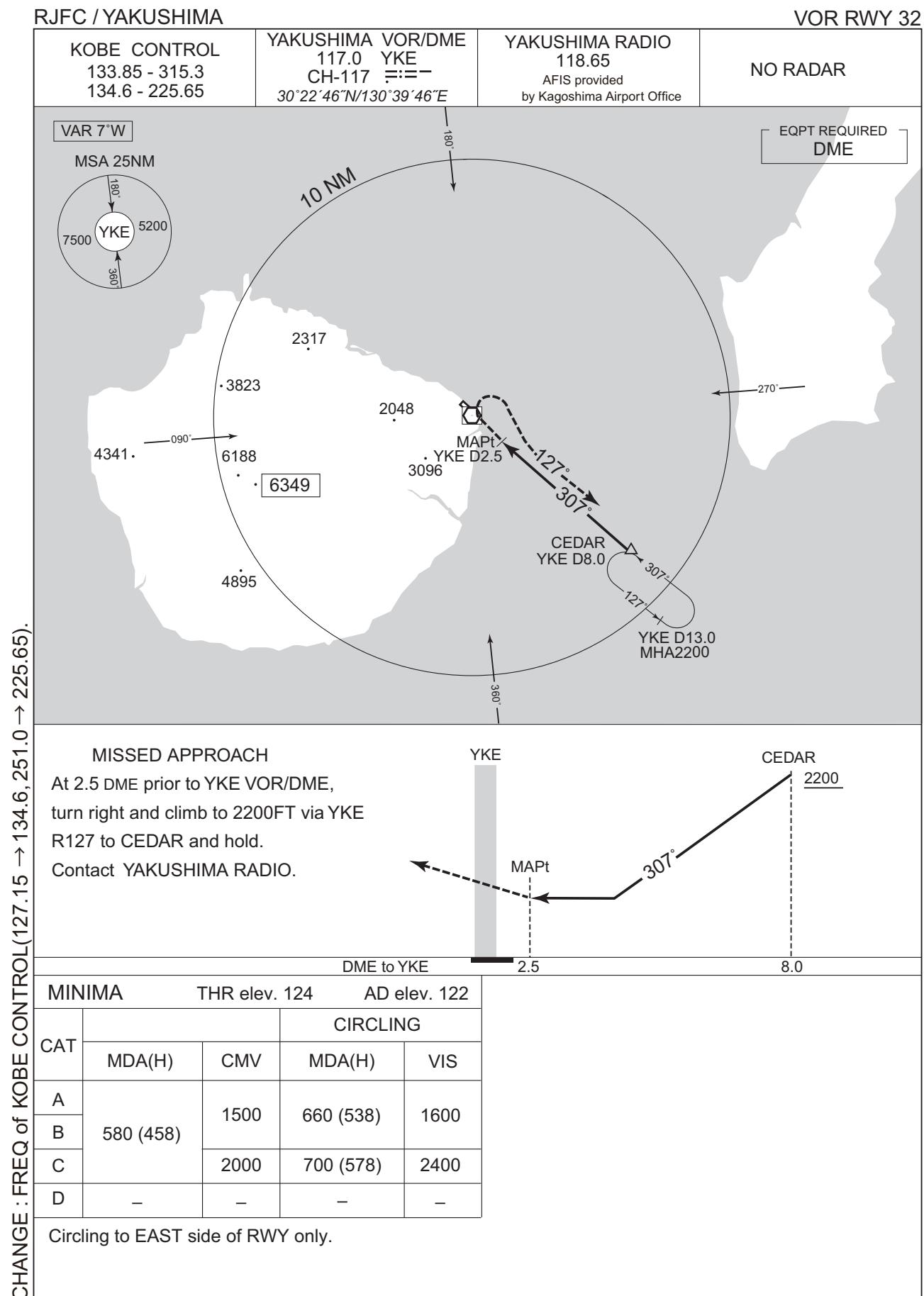
TOLOT ARRIVAL

From over TGE VOR/DME, via TGE R266 to TOLOT.
Cross TGE VOR/DME at or above 4000FT, cross TOLOT at or above 3000FT.



CHANGE : New PROC.

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJFC / YAKUSHIMA

VOR A

INSTRUMENT APPROACH CHART

RJFC / YAKUSHIMA

RNP RWY 32

KOBE CONTROL
133.85 - 315.3
134.6 - 225.65

RNP APCH
MSAS CH74738
M32A

YAKUSHIMA RADIO
118.65
AFIS provided
by Kagoshima Airport Office

NO RADAR

Baro-VNAV not authorized below 0°C

VAR 7°W
MSA 25NM
7500

ARP : 302308N/1303933E

ONSKE (IAF/MAHF) 5000

NAKATANE(TGE) (IAF) 4000

TANEGASHIMA AP

FC250 (MATF)

RW32 (MAPt)

MALOM (FAF)

IDIKO 2000

NOLIM (IF) MAX 190KIAS

ONSKE (IAF/MAHF) 303722.93N
1303853.06E

TGE (IAF) 303607.76N
1305929.52E

IDIKO 301938.74N
1305004.26E

NOLIM (IF) 301654.10N
1304701.57E

MALOM (FAF) 301957.57N
1304321.74E

RW32 (MAPt) 302251.20N
1303953.40E

FC250 (MATF) 302456.17N
1303723.25E

1MIN 300ft 318° 300ft 318° ONSKE

1MIN 059° 239° NAKATANE (TGE)

NOT TO SCALE

NOT TO SCALE

10NM

20.2° (151.4°)

158°

270°

18.4° (206.3°)

213° (206.3°)

3.2NM to MAPt(CAT A)
3.4NM to MAPt(CAT B)
3.6NM to MAPt(CAT C)

RDH 50

VDP (LNAV)

MDA

1500

1300 (1178)

1500

3.0° 321°

321°

1500

1500

0 4.2 8.6

MISSSED APPROACH

Direct to FC250, turn right direct to ONSKE and hold at 5000ft. Contact YAKUSHIMA RADIO.

NM to Next Fix		MAPt	4	FAF	
ALT (3.0° APCH Path)		-	1447	1500	

MINIMA THR elev. 124 AD elev. 122

CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	452 (328)	1500	1140 (1016)	1500	1140 (1018)	1500	1140 (1018)	1600
B	462 (338)		1190 (1066)		1190 (1068)		1190 (1068)	
C	472 (348)	1800	1240 (1116)	2000	1240 (1118)	2000	1240 (1118)	2400
D	-	-	-	-	-	-	-	-

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

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

RJFC / YAKUSHIMA

RNP RWY32

FAS DATA BLOCK

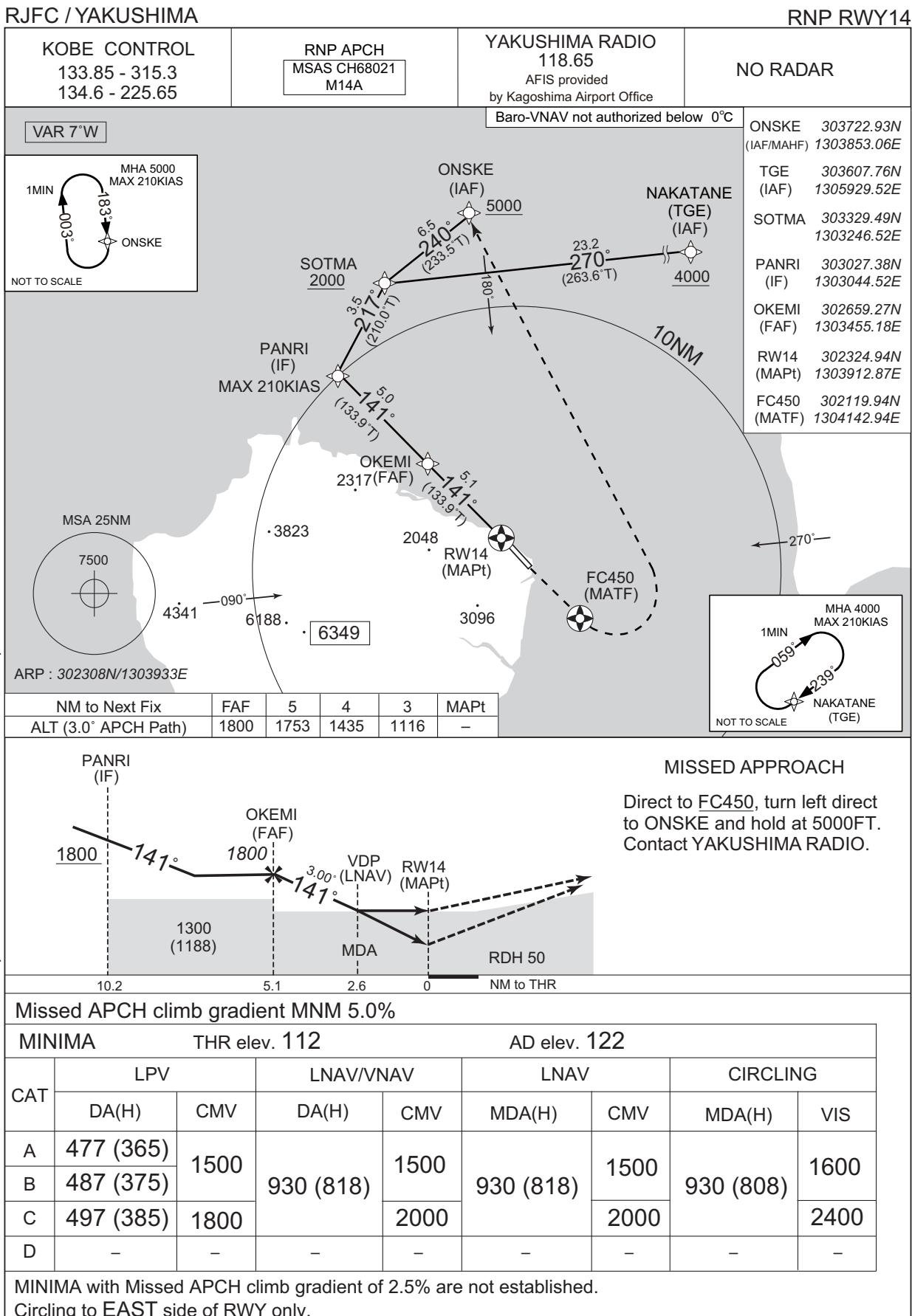
Operation type	0	LTP/FTP ellipsoidal height	+00675
SBAS service provider identifier	2	FPAP latitude	302329.2980N
Airport identifier	RJFC	FPAP longitude	1303907.6190E
Runway	32	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M32A	△ length offset	0192
LTP/FTP latitude	302251.1820N	HAL	40.0
LTP/FTP longitude	1303953.4230E	VAL	50.0
CRC remainder	7043F61C		

Required additional data

LTP/FTP orthometric height	37.0
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CHANGE : New PROC.

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJFC / YAKUSHIMA

RNP RWY14

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+00638
SBAS service provider identifier	2	FPAP latitude	302246.7970N
Airport identifier	RJFC	FPAP longitude	1303958.6910E
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	0192
LTP/FTP latitude	302324.9135N	HAL	40.0
LTP/FTP longitude	1303912.8885E	VAL	50.0
CRC remainder	A76A627B		

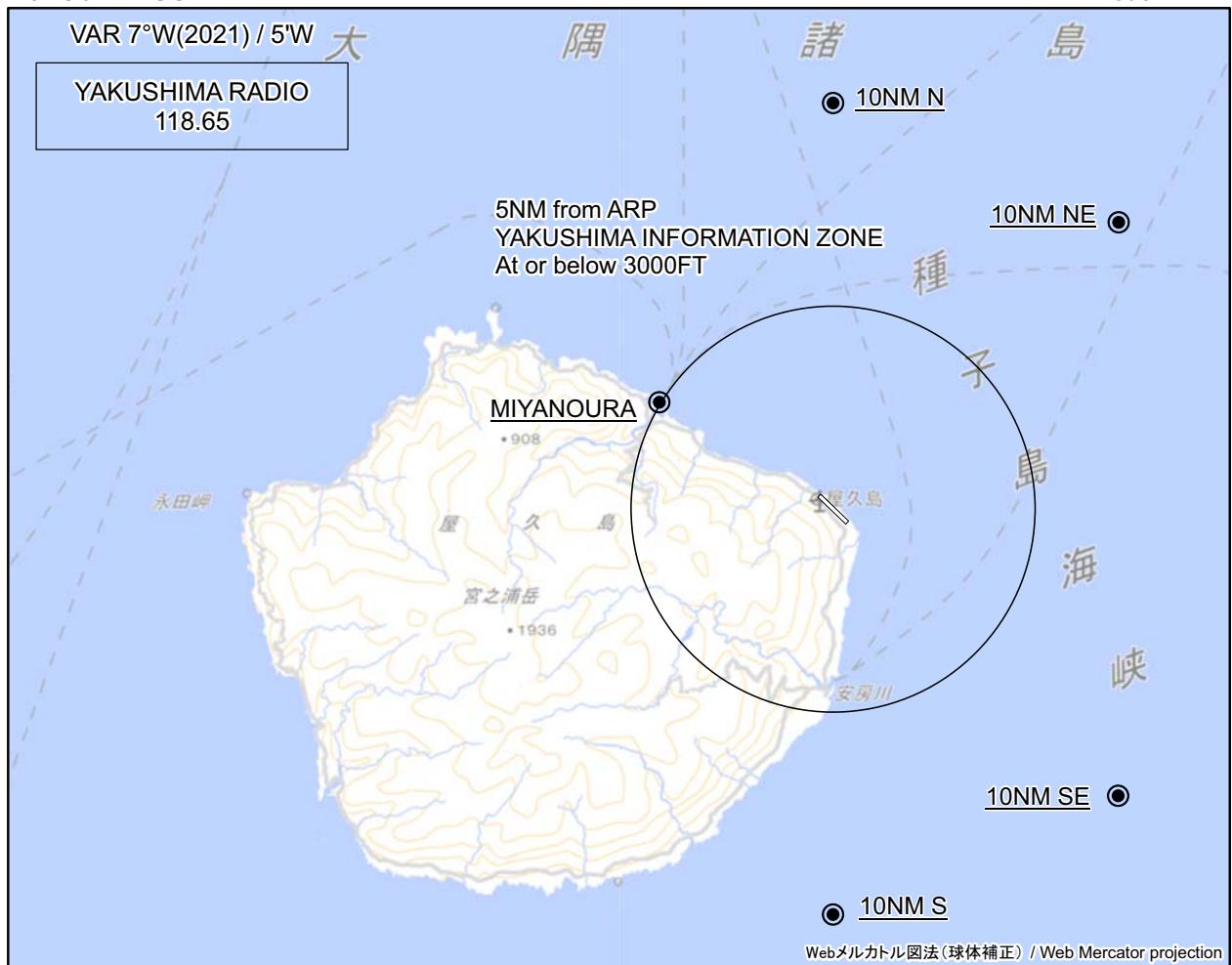
Required additional data

LTP/FTP orthometric height	33.2
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CHANGE : FAS DATA BLOCK, Required additional data established.

RJFC / YAKUSHIMA

Visual REP



Webメルカトル図法(球体補正) / Web Mercator projection

※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).

NOTE : AFIS is blinded between 180° and 300° from Yakushima VOR/DME (YKE).

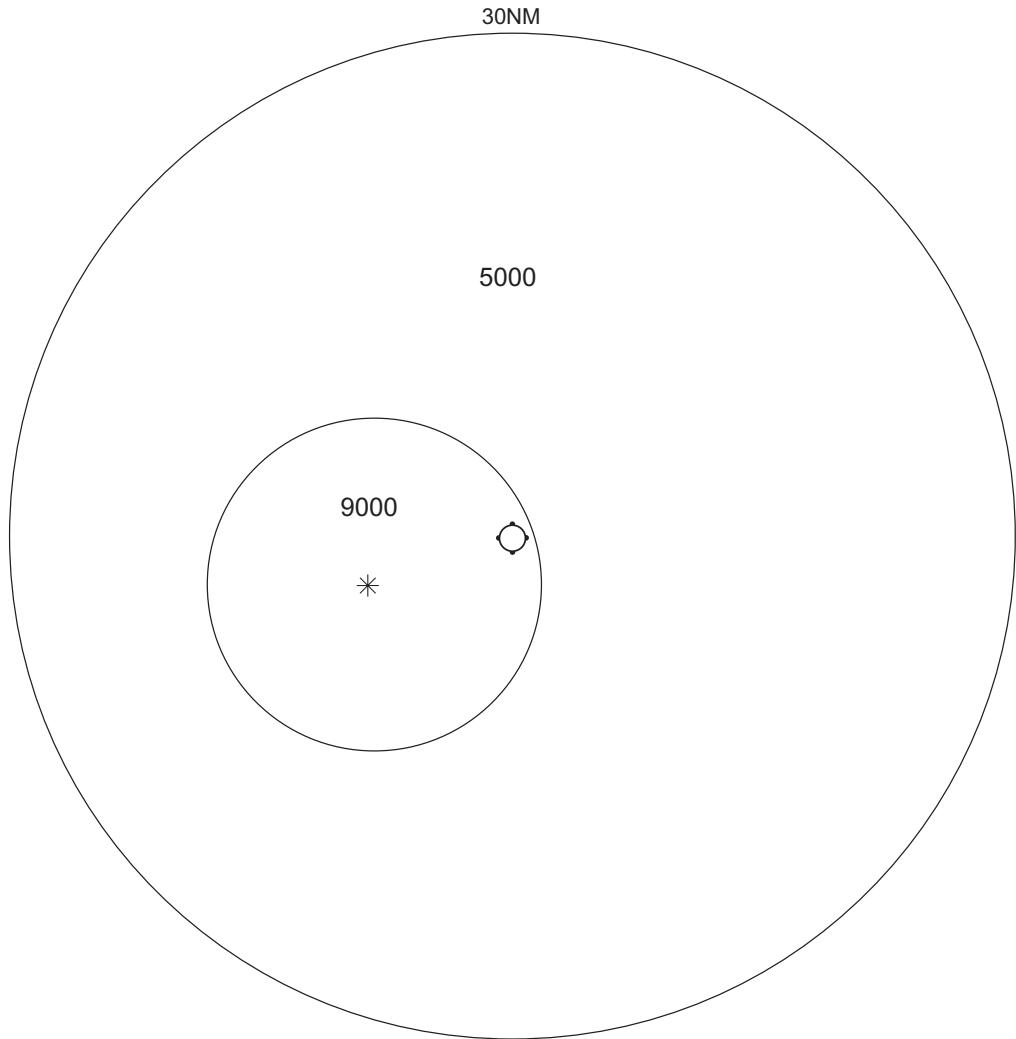
CHANGE : Description of NOTE

Call sign	BRG / DIST from ARP	Remarks
10NM N	000°T / 10.0NM	海上 Over the sea
10NM NE	045°T / 10.0NM	海上 Over the sea
宮之浦 Miyanoura	302°T / 5.0NM	港 Harbor
10NM SE	135°T / 10.0NM	海上 Over the sea
10NM S	180°T / 10.0NM	海上 Over the sea

RJFC / YAKUSHIMA

Minimum Vectoring Altitude CHART

CHANGE : Minimum vectoring altitude(6000→5000).



CENTER : 302308N/1303933E (ARP)

* : 302013N/1302957E RADIUS : 10NM