

## AD 2 AERODROMES

## RJFC AD 2.1 AERODROME LOCATION INDICATOR AND NAME

## RJFC - YAKUSHIMA

## RJFC AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	302308N/1303933E 097° / 0.75km from RWY 14 THR
2	Direction and distance from (city)	74nm S of Kagoshima city
3	Elevation/ Reference temperature	122ft / 31°C(1999-2008)
4	Geoid undulation at AD ELEV PSN	To be issued later
5	MAG VAR/ Annual change	7°W (2021) / 5°W
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	KAGOSHIMA PREF. PUBLIC AP. 310-1, Koseda, Yakushima-cho, Kumage-gun, Kagoshima Pref. 891-4207 Japan TEL: 0997-43-5031 Fax: 0997-43-5941
7	Types of traffic permitted (IFR/ VFR)	IFR/VFR
8	Remarks	Nil

## RJFC AD 2.3 OPERATIONAL HOURS

1	AD Administration	2330 - 1030
2	Customs and immigration	On request Customs: 099-260-3125 Immigration: 099-222-5658
3	Health and sanitation	Quarantine(human): On request(099-222-8670) Quarantine(animal, plant): Nil
4	AIS Briefing Office	Nil
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	H24 (FUKUOKA)
7	ATS	2330 - 1030 Remarks : AFIS provided by Kagoshima Airport Office.
8	Fuelling	Nil
9	Handling	2330 - 1030
10	Security	2330 - 1030
11	De-icing	Nil
12	Remarks	Nil

**RJFC AD 2.4 HANDLING SERVICES AND FACILITIES**

1	Cargo-handling facilities	Not available
2	Fuel/ oil types	Nil
3	Fuelling facilities/ capacity	Nil
4	De-icing facilities	Not available
5	Hangar space for visiting aircraft	Not available
6	Repair facilities for visiting aircraft	Not available
7	Remarks	Nil

**RJFC AD 2.5 PASSENGER FACILITIES**

1	Hotels	Hotels in the city
2	Restaurants	AVBL, not continuous
3	Transportation	Buses, taxis
4	Medical facilities	Hospitals in the city
5	Bank and Post Office	Bank and Post Office in the city
6	Tourist Office	Not available
7	Remarks	Nil

**RJFC AD 2.6 RESCUE AND FIRE FIGHTING SERVICES**

1	AD category for fire fighting	CAT 6
2	Rescue equipment	Chemical fire fighting truck x 2
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Nil

**RJFC AD 2.7 SEASONAL AVAILABILITY-CLEARING**

1	Types of clearing equipment	Not applicable
2	Clearance priorities	Nil
3	Remarks	Nil

**RJFC AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA**

1	Apron surface and strength	Surface : Asphalt concrete    Strength: PCR 205/F/B/X/T
2	Taxiway width, surface and strength	WIDTH 18m, Surface : Asphalt concrete    Strength: PCR 205/F/B/X/T
3	ACL and elevation	Not available
4	VOR checkpoints	Nil
5	INS checkpoints	Nil
6	Remarks	Nil

**RJFC AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS**

1	Use of aircraft stand ID signs, TWY guide lines and Visual docking/ parking guidance system of aircraft stands	Nil
2	RWY and TWY markings and LGT	RWY: (Marking) RWY designation, RWY CL, RWY THR, RWY middle point, Aiming point, TDZ, RWY side stripe (LGT) REDL, RTHL, RENL, RWY DIST maker LGT  TWY: (Marking) TWY CL, RWY HLDG PSN, TWY side stripe (LGT) TWY edge LGT
3	Stop bars	Nil
4	Remarks	(Marking) Overrun area (LGT) Apron flood LGT

**RJFC AD 2.10 AERODROME OBSTACLES**

In Area2    See Obstacle data

In Area3    To be developed

## RJFC AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	FUKUOKA
2	Hours of service MET Office outside hours	H24(FUKUOKA)
3	Office responsible for TAF preparation Periods of validity	Nil
4	Trend forecast Interval of issuance	Nil
5	Briefing/ consultation provided	Briefing is available upon inquiry at FUKUOKA
6	Flight documentation Language(s) used	C En
7	Charts and other information available for briefing or consultation	S <sub>6</sub> , U <sub>85</sub> , U <sub>7</sub> , U <sub>5</sub> , U <sub>3</sub> , U <sub>25</sub> , U <sub>2</sub> /Tr, P <sub>S</sub> , P <sub>5</sub> , P <sub>3</sub> , P <sub>25</sub> , P <sub>SWE</sub> , P <sub>SWF</sub> , P <sub>SWG</sub> , P <sub>SWI</sub> , P <sub>SWM</sub> , P <sub>SW</sub> (domestic), E, C, W <sub>E</sub> , W <sub>F</sub> , W <sub>G</sub> , W <sub>I</sub> , W, N
8	Supplementary equipment available for providing information	Nil
9	ATS units provided with information	RADIO
10	Additional information (limitation of service, etc.)	Nil

## RJFC AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength(PCR) and surface of RWY	THR coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
14	133.87°	1500×45	PCR 205/F/B/X/T Asphalt	302324.94N1303912.87E	THR ELEV: 112ft
32	313.87°	1500×45	PCR 205/F/B/X/T Asphalt	302251.20N1303953.40E	THR ELEV: 124ft
Slope of RWY		Strip Dimensions(M)	RESA(Overrun) Dimensions(M)	Remarks	
7		10	11	14	
See AD 2.24 AD Chart		1620×150	50×150	RWY Grooving 1500×30m	
See AD 2.24 AD Chart		1620×150	50×150	RWY Grooving 1500×30m	

## RJFC AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
14	1500	1500	1500	1500	Nil
32	1500	1500	1500	1500	Nil

## RJFC AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	RTHL Color WBAR	PAPI (VASIS) Angle DIST FM THR MEHT	RTZL LEN	RCLL LEN Spacing Color INTST	REDL LEN Spacing Color INTST	RENL Color WBAR	STWL LEN Color
1	2	3	4	5	6	7	8	9
14	Nil	Green	PAPI 3.0°/Left 253m 45ft	Nil	Nil	1500m 60m Coded color (White/Yellow) LIH	Red	Nil (*1)
32	Nil	Green	PAPI 3.0°/Left 296m 45ft	Nil	Nil	1500m 60m Coded color (White/Yellow) LIH	Red	Nil (*1)
Remarks								
10								
(*1)Overrun area edge LGT(LEN:60m Color:Red) RWY THR ID LGT for RWY 14/32 THR								

**RJFC AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY**

1	ABN/IBN location, characteristics and hours of operation	ABN: 302257N/1303932E, White/Green EV4.3sec, HO
2	LDI location and LGT Anemometer location and LGT	LDI: Nil Anemometer: RWY32 : 369m from RWY 32 THR RWY14: 380m from RWY 14 THR
3	TWY edge and centerline lighting	TWY edge LGT: Blue
4	Secondary power supply/ switch-over time	Within 15 sec: ABN, PAPI, RWY THR ID LGT, REDL, RENL, RTHL, TWY edge LGT, RWY DIST marker LGT, WDI LGT, Overrun area edge LGT, Apron flood LGT
5	Remarks	WDI LGT

**RJFC AD 2.16 HELICOPTER LANDING AREA**

Nil
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**RJFC AD 2.17 ATS AIRSPACE**

Designation and lateral limits		Vertical limits (ft)	Airspace classification	ATS unit call sign Language	Remarks
1		2	3	4	6
Yakushima Information Zone	Area within a radius of 5nm(9km) of Yakushima ARP	3,000 or below	E	Yakushima Radio En	

**RJFC AD 2.18 ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
AFIS	Yakushima Radio	118.65MHz	2330 - 1030	Operated by Kagoshima Airport Office

## RJFC AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid (VOR declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR (7°W/2018)	YKE	117.0MHz	2330 - 1030	302246.01N 1303945.78E		VOR Unusable: 210° -240° beyond 10nm BLW 9,000ft. 240° -250° beyond 5nm BLW 9,000ft. 250° -290° beyond 10nm BLW 9,000ft.
DME	YKE	1204MHz (CH-117X)	2330 - 1030	302246.01N 1303945.78E	189ft	DME Unusable: 160° -190° beyond 20nm BLW 3,000ft. 210° -230° beyond 10nm BLW 9,000ft. 230° -270° beyond 5nm BLW 9,000ft. 270° -290° beyond 10nm BLW 9,000ft.
MSAS		1575.42MHz	H24			Transmitting antennas are satellite based

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**RJFC AD 2.20 LOCAL TRAFFIC REGULATIONS**

## 1. Airport regulations

Nil
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## 2. Taxiing to and from stands

Nil
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## 3. Parking area for small aircraft(General aviation)

Nil
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## 4. Parking area for helicopters

Nil
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## 5. Apron - taxiing during winter conditions

Nil
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## 6. Taxiing - limitations

Nil
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## 7. School and training flights - technical test flights - use of runways

Nil
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## 8. Helicopter traffic - limitation

Nil
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## 9. Removal of disabled aircraft from runways

Nil
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**RJFC AD 2.21 NOISE ABATEMENT PROCEDURES**

Nil

**RJFC AD 2.22 FLIGHT PROCEDURES****TAKE OFF MINIMA**

	RWY	ACFT CAT	REDL & RCLL		REDL or RCLL or RCL Marking		NIL (DAYTIME ONLY)	
			CEIL-RVR	CEIL-VIS	CEIL-RVR	CEIL-VIS	CEIL-RVR	CEIL-VIS
Multi-Engine ACFT with TKOF ALTN AP FILED	14	A,B,C	-	-	-	200'-1600m 0'-400m*	-	200'-1600m 0'-400m*
	32	A,B,C	-	-	-	200'-1600m	-	200'-1600m
OTHER	14	A,B,C	AVBL LDG MINIMA					
	32							

\*Applicable in case of climbing with 8.8% gradient up to 560FT.

**RJFC AD 2.23 ADDITIONAL INFORMATION**

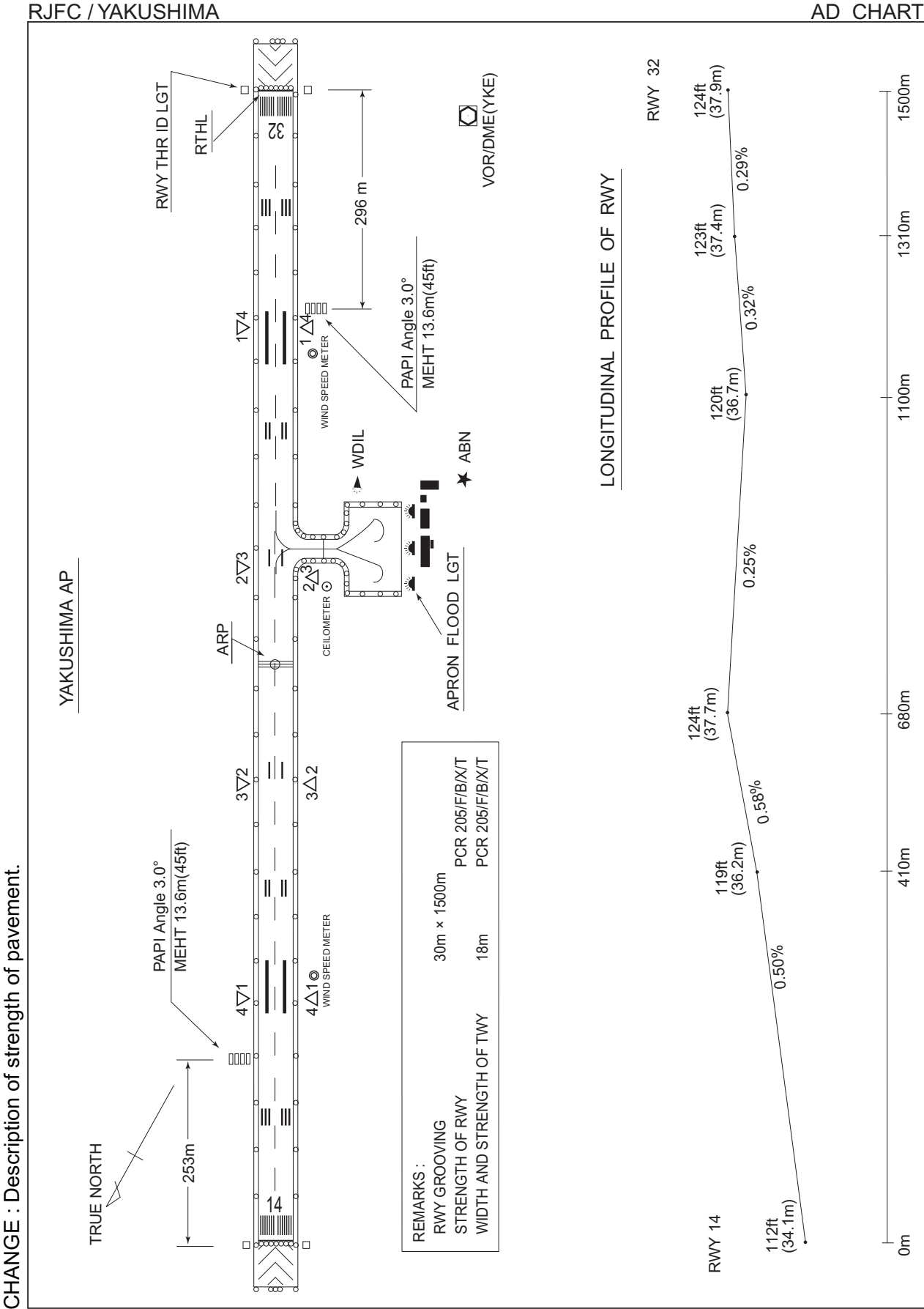
Nil

**RJFC AD 2.24 CHARTS RELATED TO AN AERODROME**

Aerodrome/Heliport Chart  
 Standard Departure Chart - Instrument (NAKATANE)  
 Standard Departure Chart - Instrument (AMMON-RNAV)  
 Standard Departure Chart - Instrument (SURF-RNAV)  
 Standard Arrival Chart - Instrument (CEDAR)\*  
 Standard Arrival Chart - Instrument (TOLOT)  
 Instrument Approach Chart (VOR RWY32)\*  
 Instrument Approach Chart (VOR A)  
 Instrument Approach Chart (RNP RWY32)  
 Instrument Approach Chart (RNP RWY14)  
 Other Chart (Visual REP)  
 Other Chart (MVA CHART)

\*: Designed in accordance with provisional standards for FLIGHT PROCEDURE DESIGN.

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STANDARD DEPARTURE CHART-INSTRUMENT

RJFC / YAKUSHIMA

SID

NAKATANE FOUR DEPARTURE

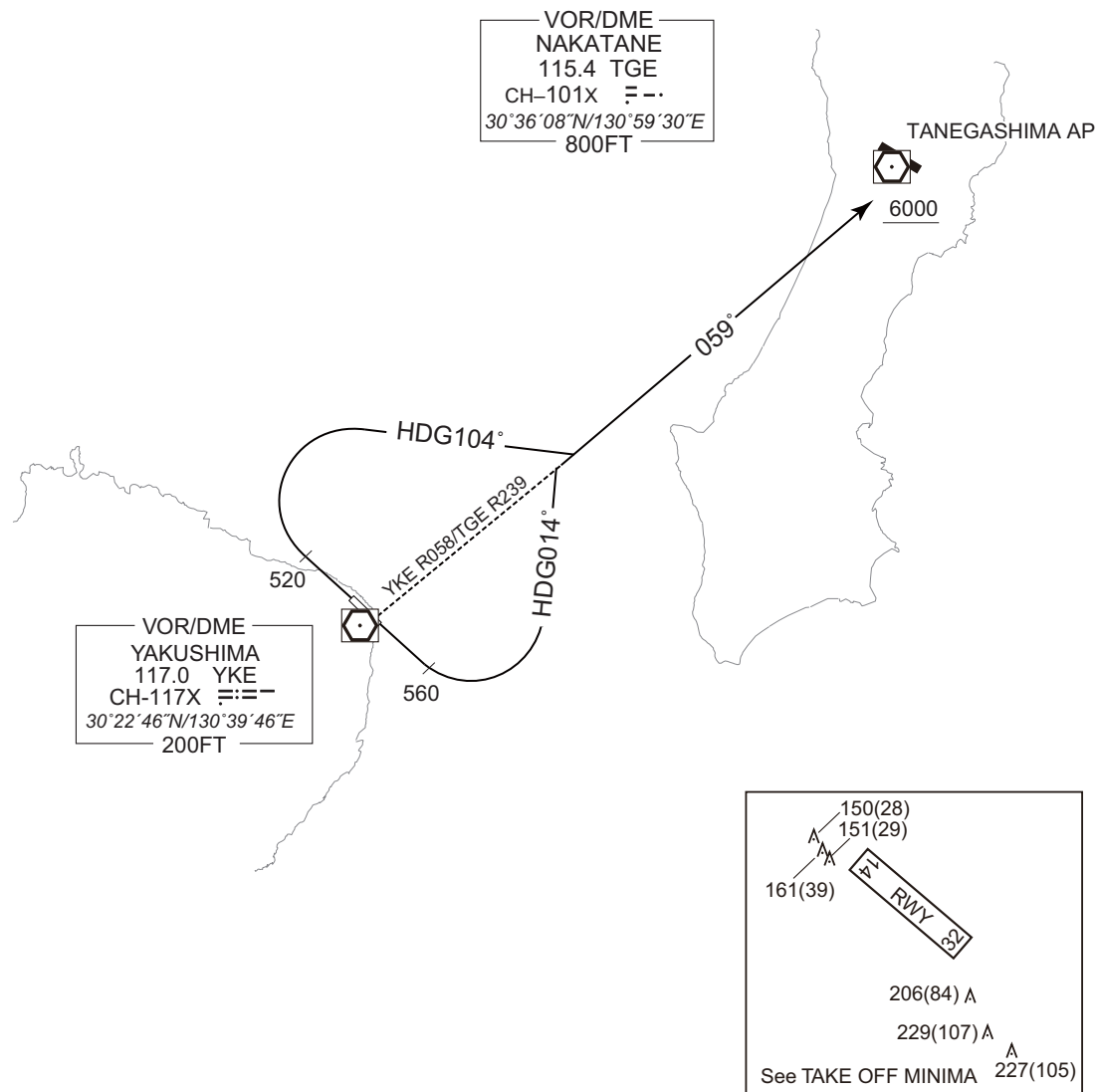
RWY14 : Climb RWY HDG to 560FT, turn left HDG014°...

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

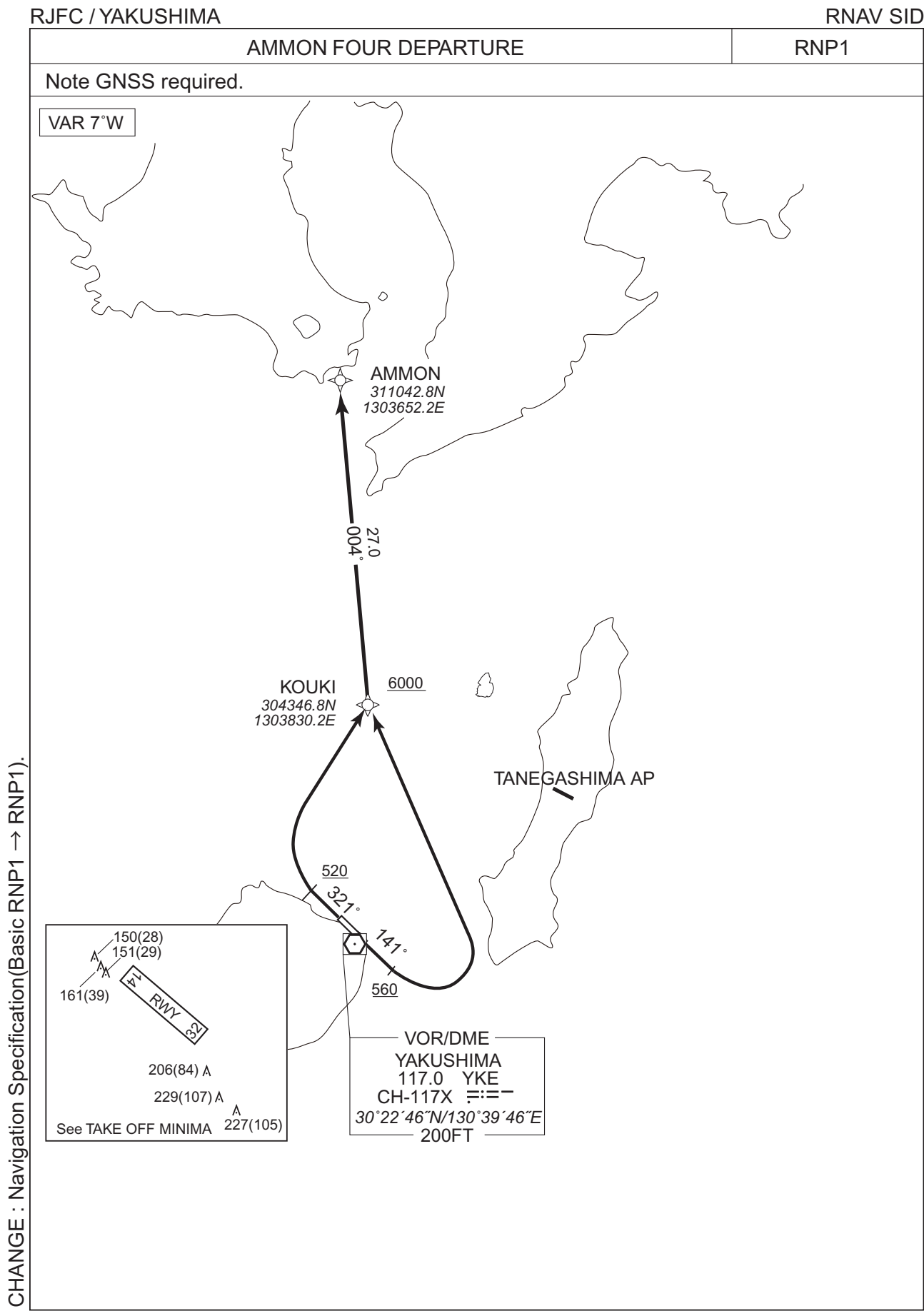
... to intercept and proceed via YKE R058/TGE R239 to TGE VOR/DME.  
Cross TGE VOR/DME at or above 6000FT.

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



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

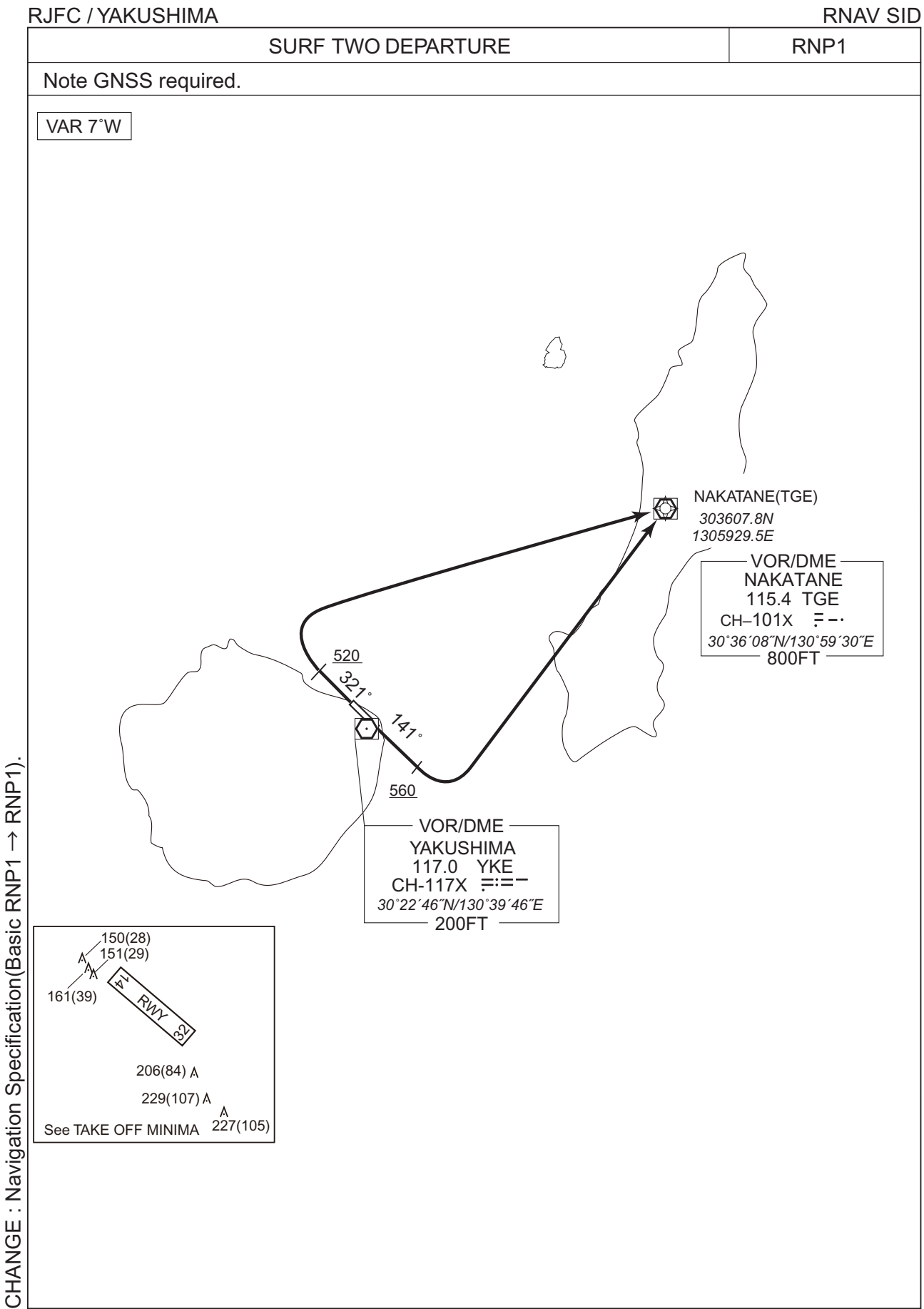
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	141 (134.0)	-6.9	-	-	+560	-	-	RNP1
002	DF	KOUKI	-	-	-6.9	-	L	+6000	-	-	RNP1
003	TF	AMMON	-	004 (357.0)	-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

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.

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

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  $\rightarrow$  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

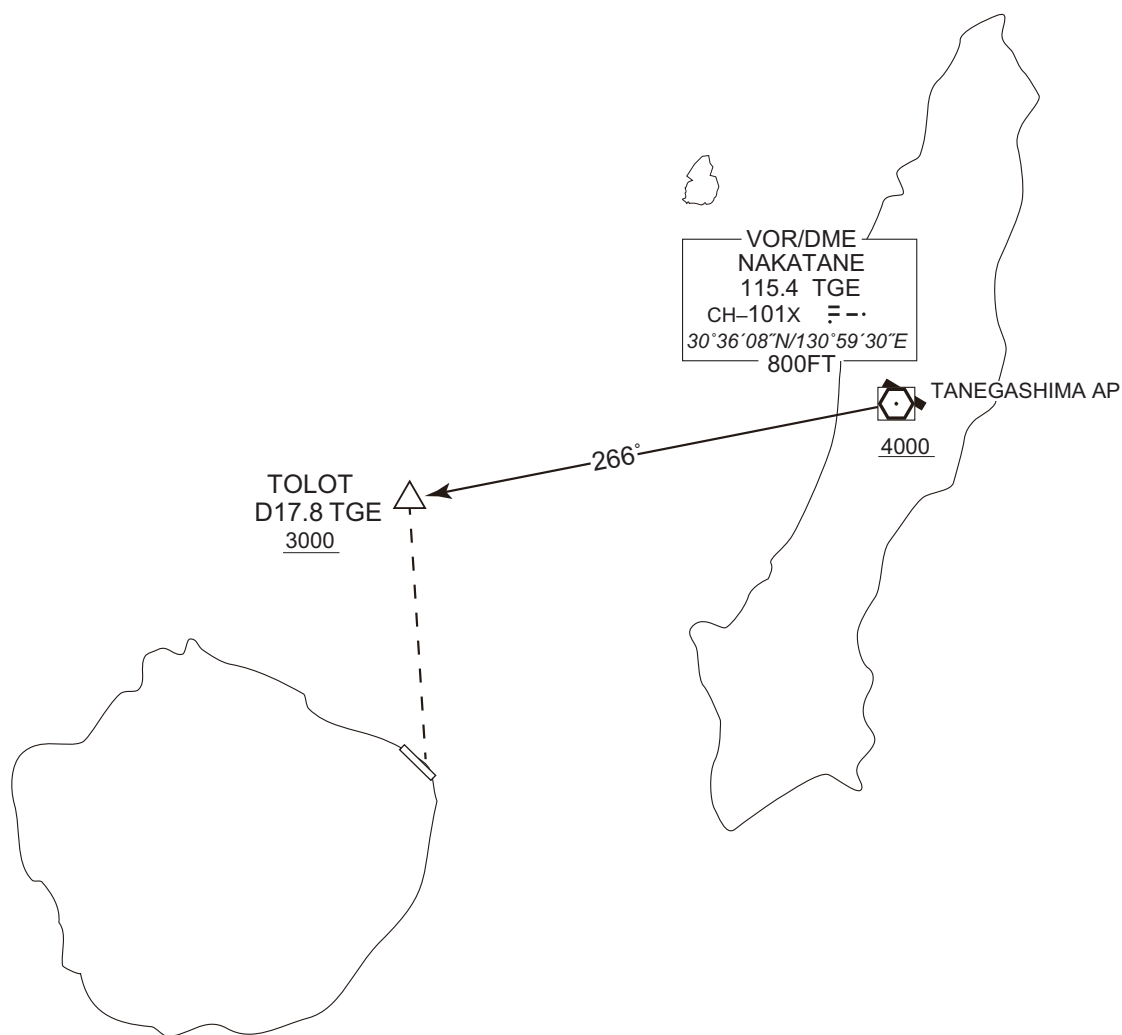
RJFC / YAKUSHIMA

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.

## RJFC / YAKUSHIMA

VOR RWY 32

KOBE CONTROL  
133.85 - 315.3  
134.6 - 225.65

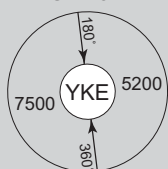
117.0 YKE  
CH-117 ::=—  
30°22'46"N/130°39'46"

YAKUSHIMA RADIO  
118.65  
AFIS provided  
by Kagoshima Airport Office

NO RADAR



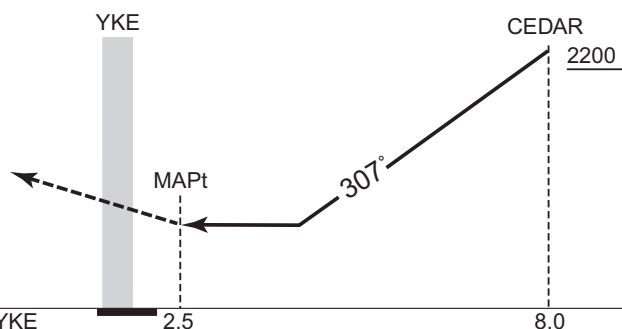
MSA 25NM



- EQPT REQUIRED  
DME



At 2.5 DME prior to YKE VOR/DME,  
turn right and climb to 2200FT via YKE  
R127 to CEDAR and hold.  
Contact YAKUSHIMA RADIO.



MINIMA	THR elev. 124	AD elev. 122
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CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	580 (458)	1500	660 (538)	1600
B				
C		2000	700 (578)	2400
D	—	—	—	—

Circling to EAST side of RWY only.

CHANGE : FREQ of KOBE CONTROL(127.15  $\rightarrow$  134.6, 251.0  $\rightarrow$  225.65).

INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

## RJFC / YAKUSHIMA

## RNP RWY 32



## 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**

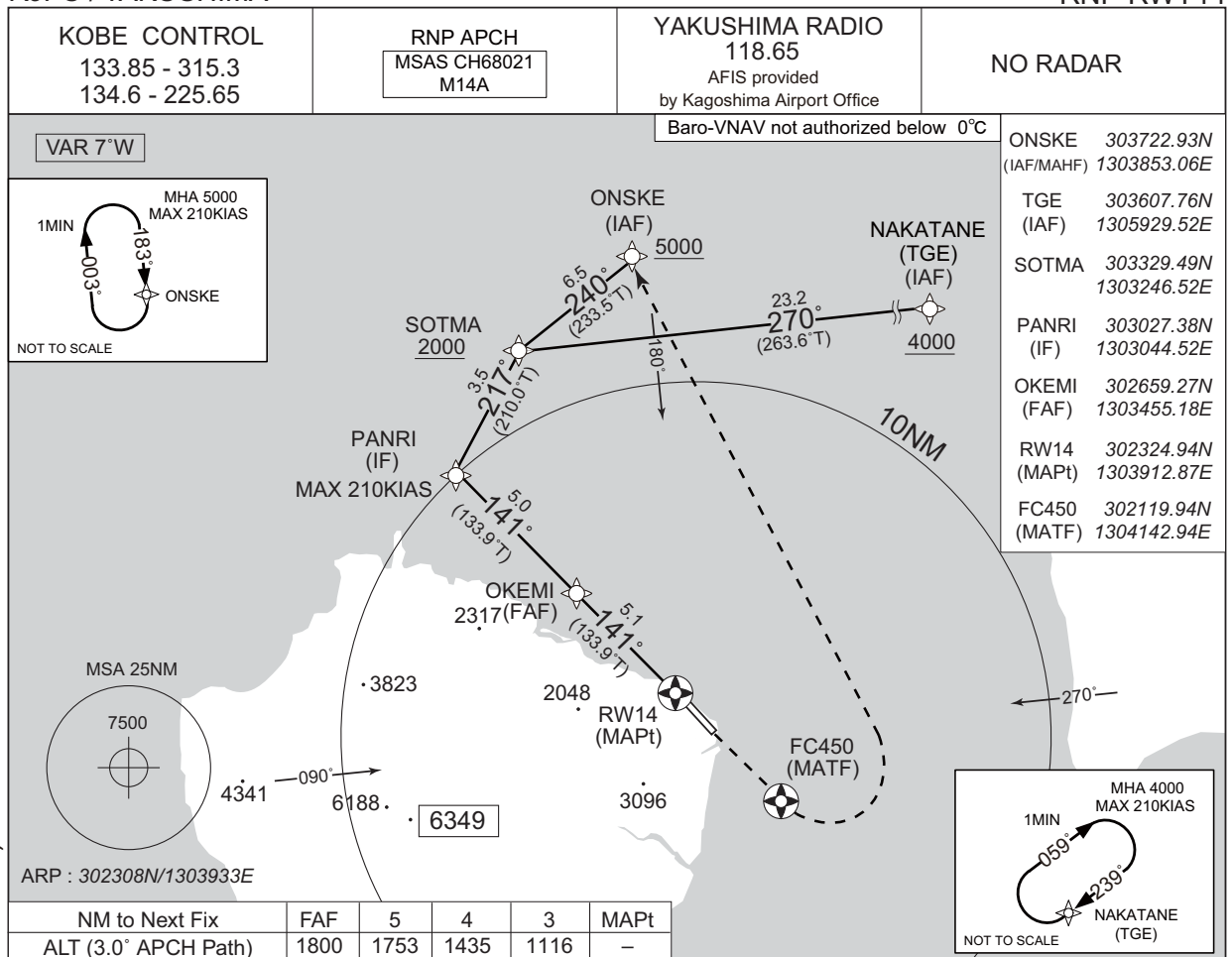
LTP/FTP orthometric height	37.0
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CHANGE : New PROC.

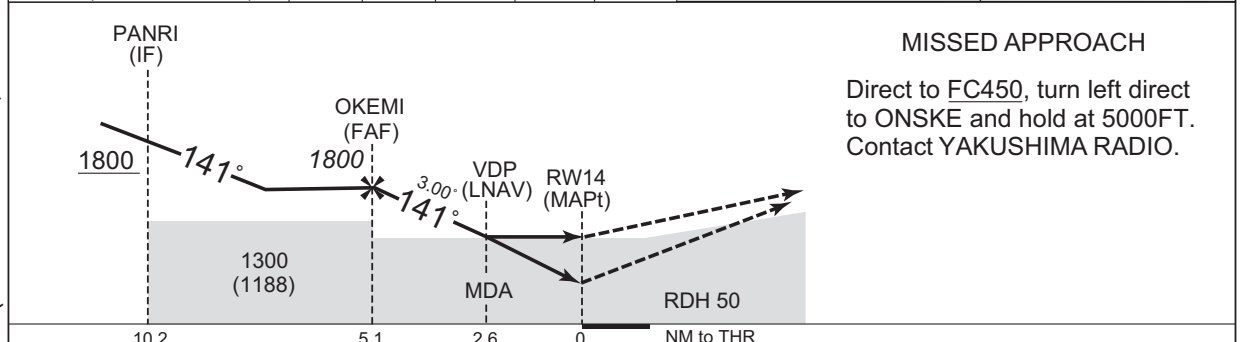
INSTRUMENT APPROACH CHART

RJFC / YAKUSHIMA

RNP RWY14



CHANGE : FREQ of KOBE CONTROL(127.15 → 134.6, 251.0 → 225.65).



Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 112			AD elev. 122			
CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	477 (365)	1500	930 (818)	1500	930 (818)	1500	930 (808)	1600
B	487 (375)							
C	497 (385)	1800		2000		2000		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 RWY14

**FAS DATA BLOCK**

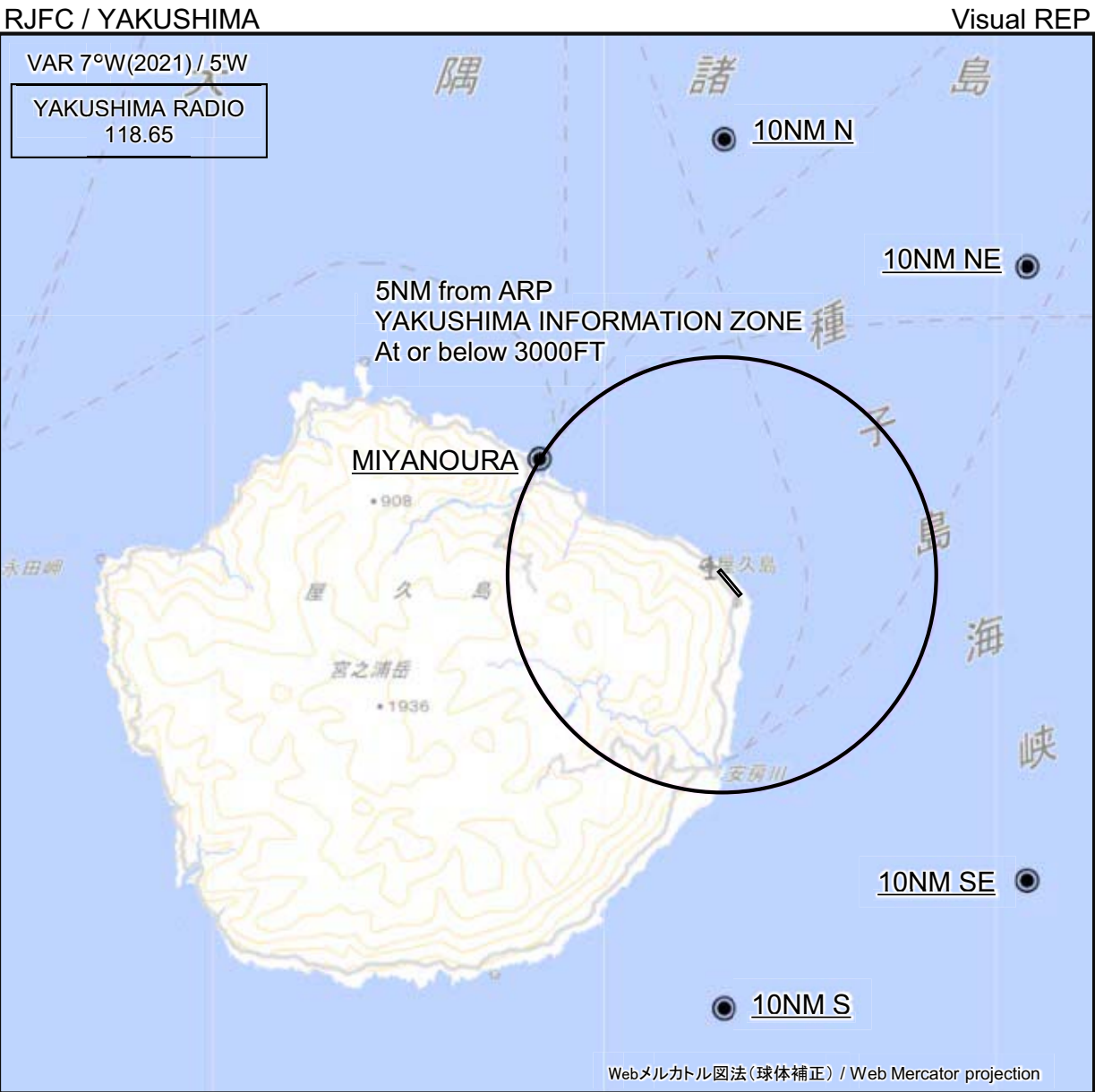
Operation type	0	LTP/FTP ellipsoidal height	+00638
SBAS service provider identifier	2	FPAP latitude	302246.7970N
Airport identifier	RJFC	FPAP longitude	1303958.6910E
Runway	14	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
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.





※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 : A/G COM from Kagoshima FSC is blinded between 180° and 300° from Yakushima VOR/DME (YKE).

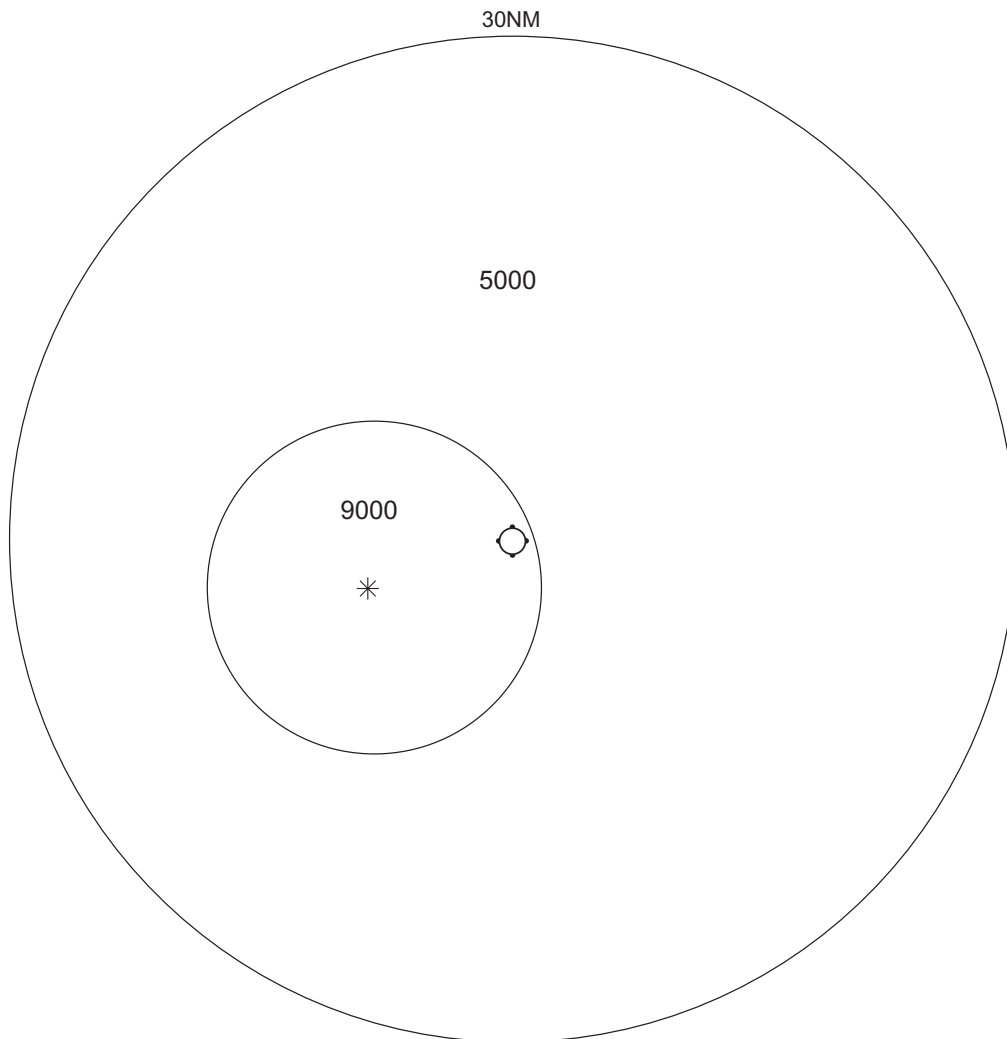
CHANGE : VAR.

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