



STANDARD DEPARTURE CHART-INSTRUMENT

RJFC / YAKUSHIMA

SID

NAKATANE FOUR DEPARTURE

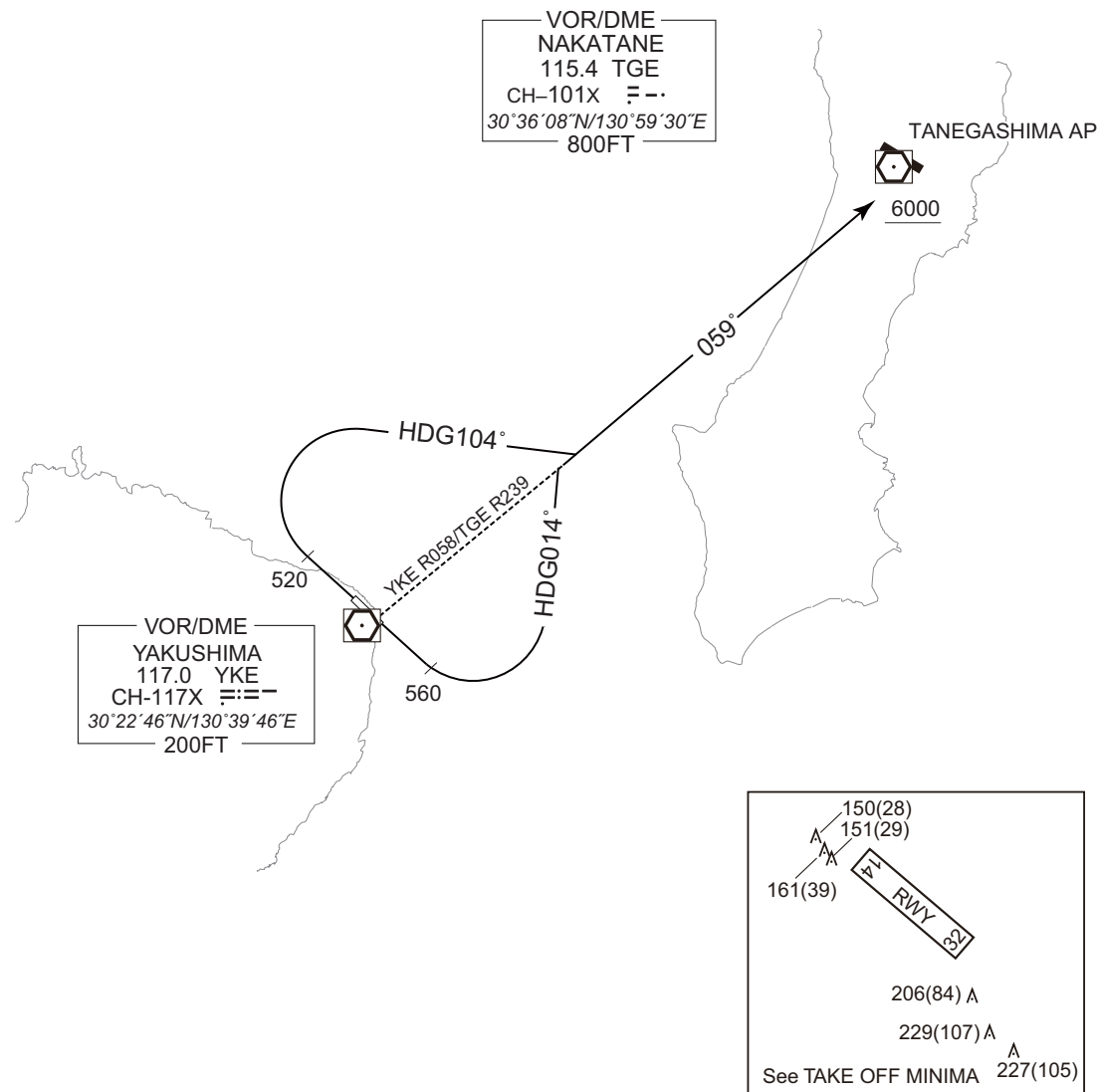
RWY14 : Climb RWY HDG to 560FT, turn left HDG014°...

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

Basic RNP1

Note GNSS required.

VAR 7°W

AMMON  
311042.8N  
1303652.2E27.0  
004°KOUKI  
304346.8N  
1303830.2E

6000

TANEGASHIMA AP

520

327°

147°

560


150(28)  
151(29)  
161(39)

RWY 32

206(84) A

229(107) A

See TAKE OFF MINIMA 227(105)

VOR/DME  
YAKUSHIMA  
117.0 YKE  
CH-117X   
30°22'46"N/130°39'46"E  
200FT

CHANGE : PROC renamed. PROC course. OBST.

## 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

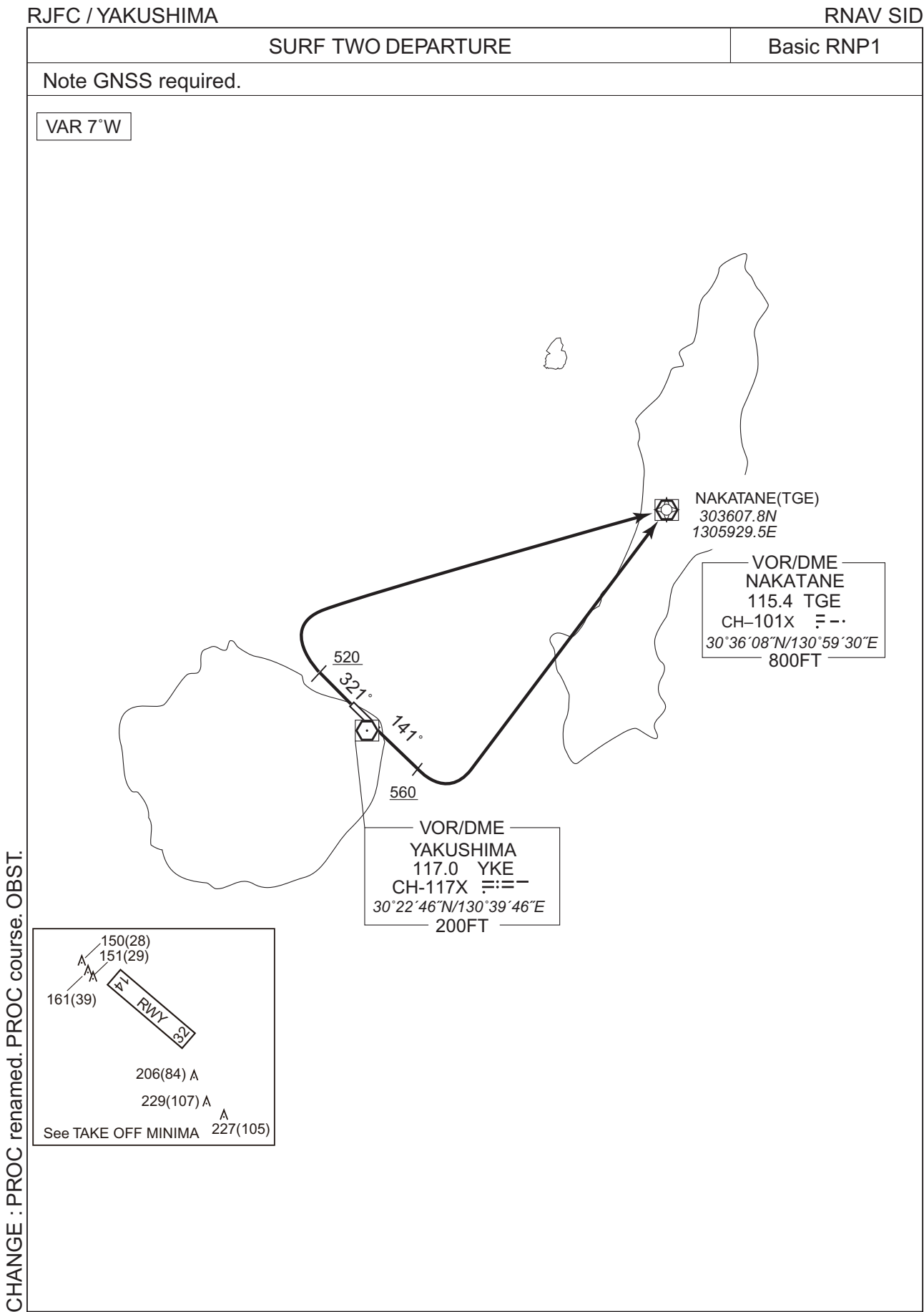
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	141 (134.0)	-6.9	—	—	+560	—	—	Basic RNP1
002	DF	KOUKI	—	—	-6.9	—	L	+6000	—	—	Basic RNP1
003	TF	AMMON	—	004 (357.0)	-6.9	27.0	—	—	—	—	Basic 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	—	—	Basic RNP1
002	DF	KOUKI	—	—	-6.9	—	R	+6000	—	—	Basic RNP1
003	TF	AMMON	—	004 (357.0)	-6.9	27.0	—	—	—	—	Basic RNP1

CHANGE : VAR: PROC renamed. PROC course. Note RWY14 added.

STANDARD DEPARTURE CHART -INSTRUMENT



## 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	—	—	Basic RNP1
002	DF	TGE	—	—	-6.9	—	L	—	—	—	Basic 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	—	—	Basic RNP1
002	DF	TGE	—	—	-6.9	—	R	—	—	—	Basic RNP1

CHANGE : VAR. PROC renamed. PROC course. Note RWY14 added.

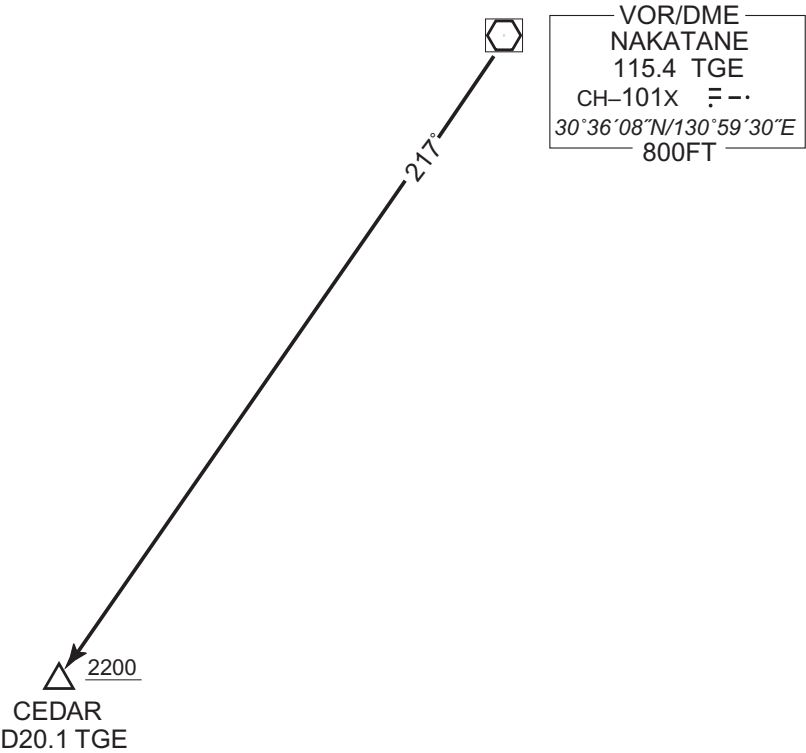
STANDARD ARRIVAL CHART-INSTRUMENT

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.



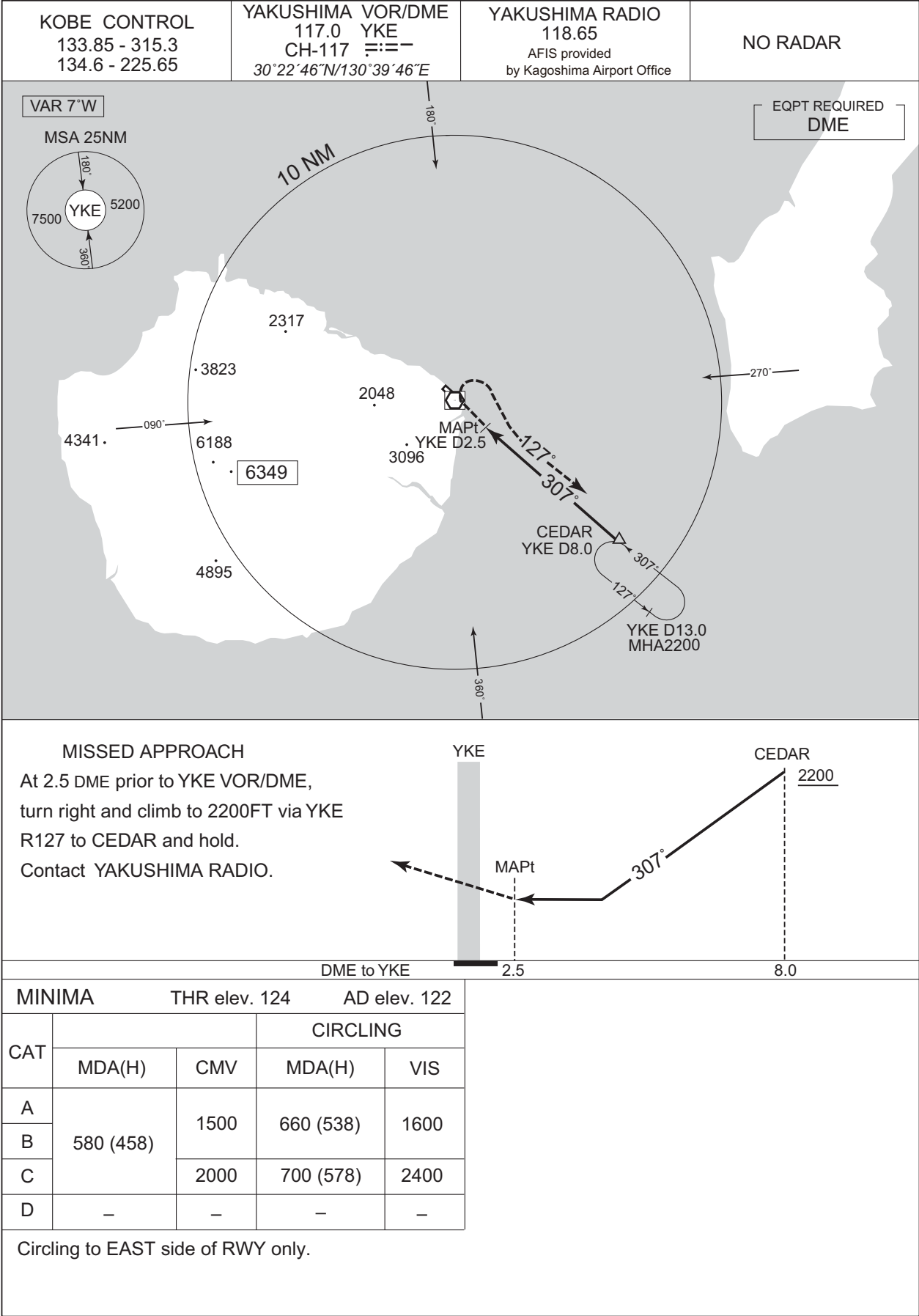
CHANGE : New PROC.



INSTRUMENT APPROACH CHART

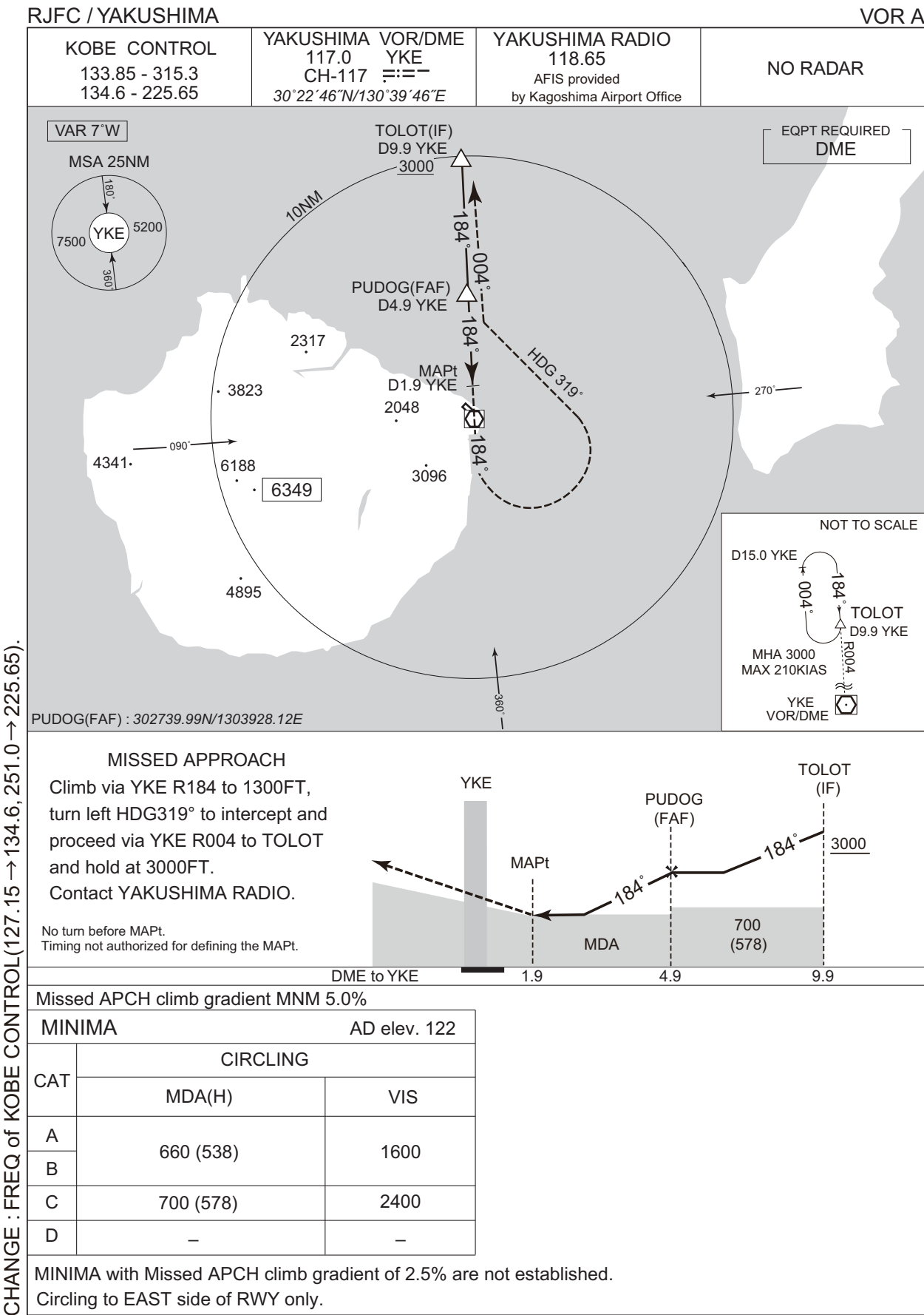
RJFC / YAKUSHIMA

VOR RWY 32



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

INSTRUMENT APPROACH CHART

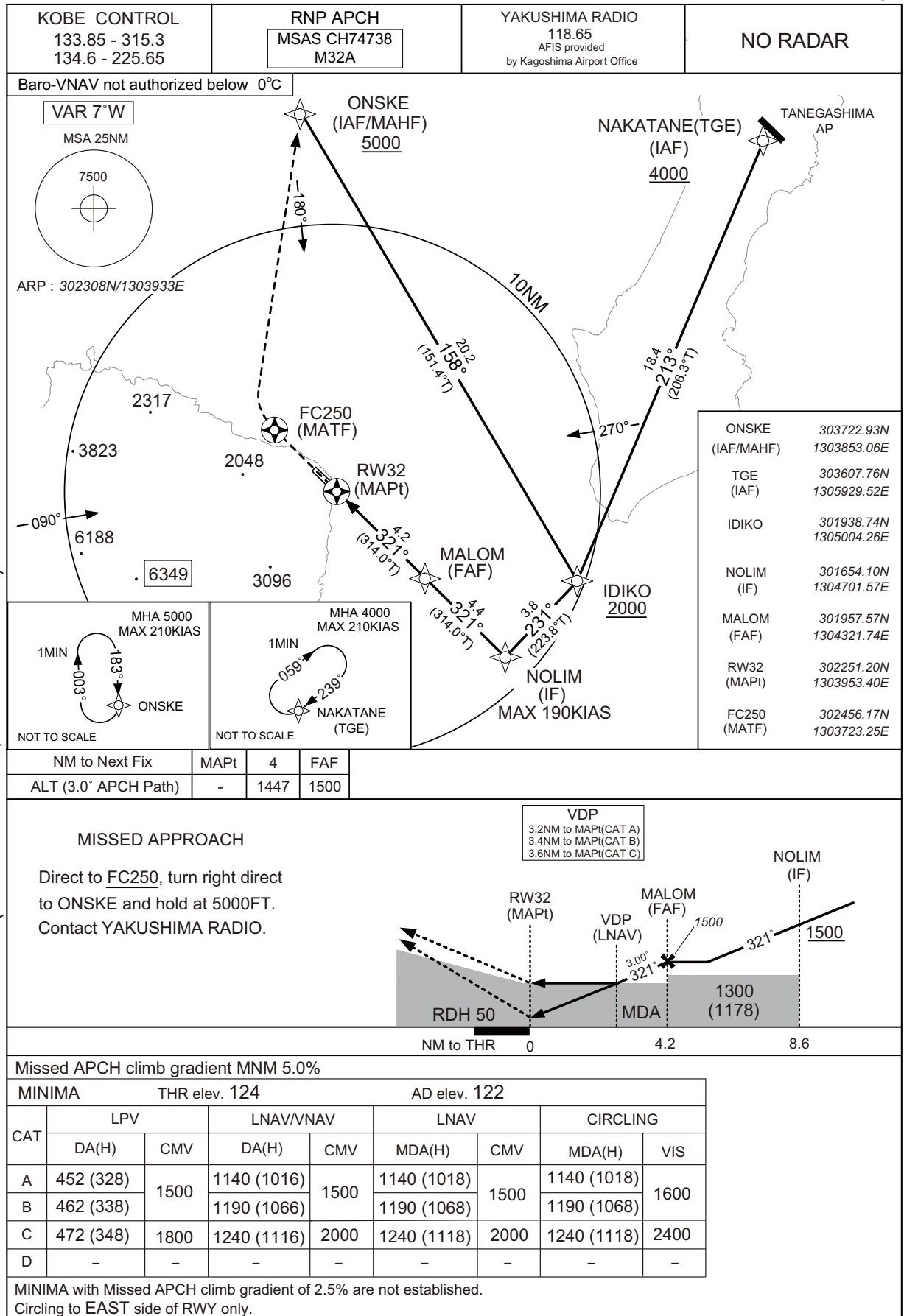


CHANGE : FREQ of KOBE CONTROL(127.15 → 134.6, 251.0 → 225.65).

## 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**

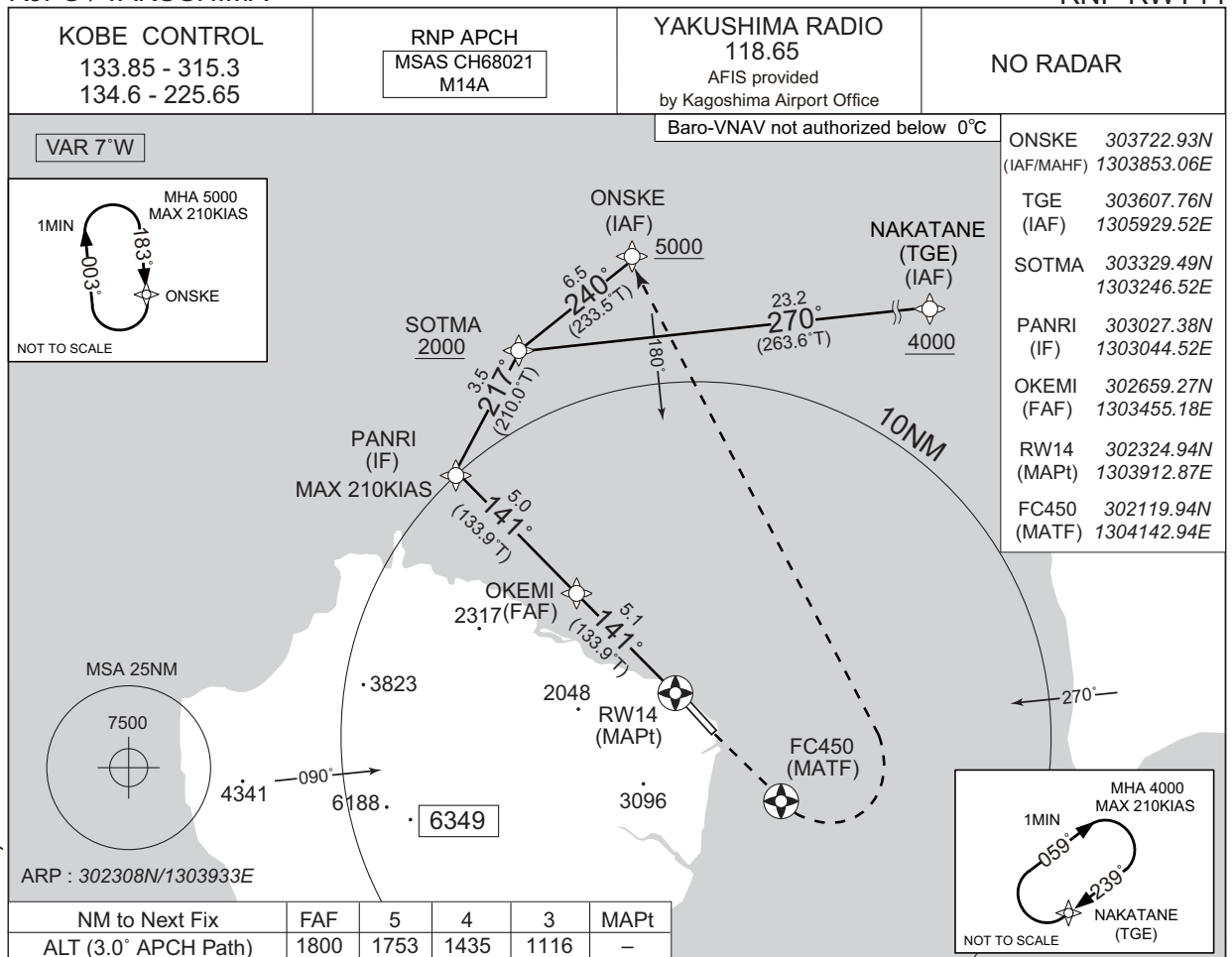
LTP/FTP orthometric height	37.0
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CHANGE : New PROC.

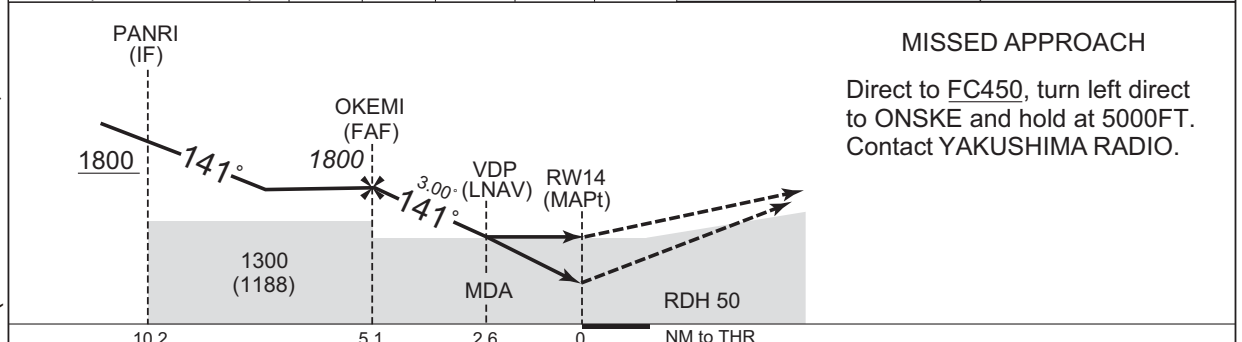
INSTRUMENT APPROACH CHART

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	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.

RJFC / YAKUSHIMA

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).

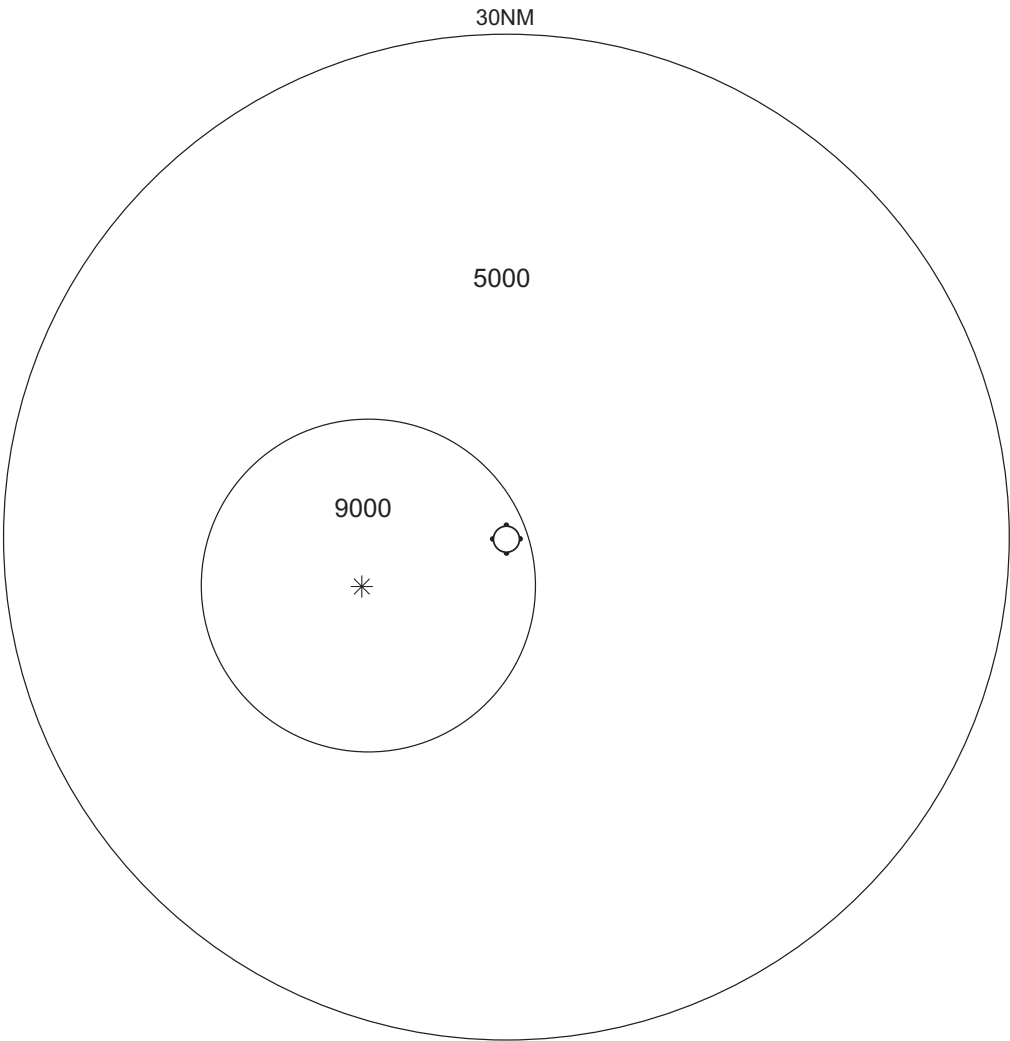
NOTE : A/G COM from Kagoshima FSC is blinded between 180° and 300° from Yakushima VOR/DME (YKE).

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 Miyaura	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