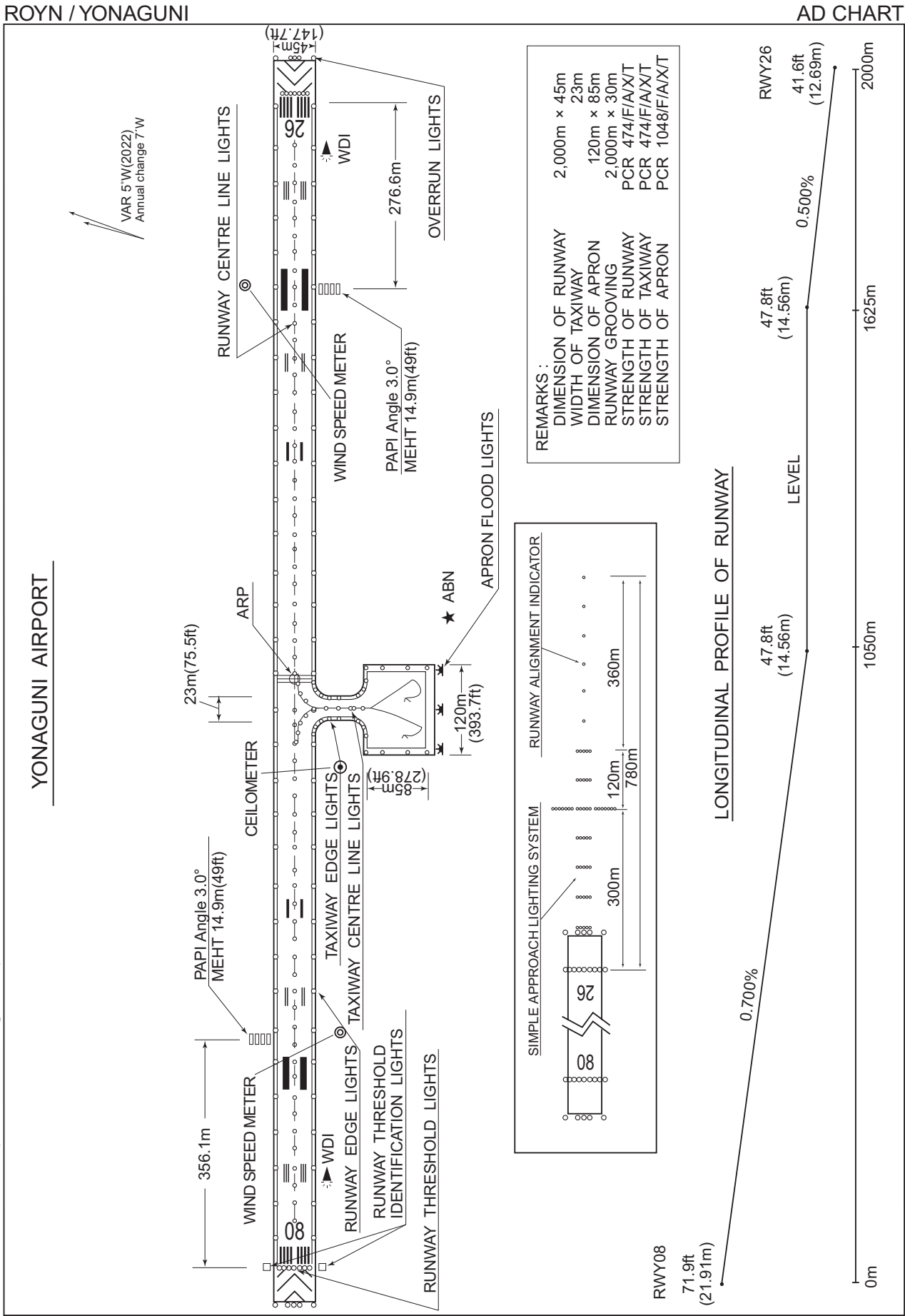


CHANGE : Description of strength of pavement.



STANDARD DEPARTURE CHART -INSTRUMENT

ROYN / YONAGUNI

SID

TAKZO TWO DEPARTURE

RWY 08 : Climb RWY HDG until 3NM from RWY end/YNE 2.7DME, turn left,...

RWY 26 : Climb RWY HDG until 700FT, turn right,...

...climb via YNE R022 to TAKZO.

Note RWY08 : 6.7% climb gradient required up to 700FT.

OBST ALT 89FT located at 0.1NM 126° FM end of RWY08.

RWY26 : No turn before DER.

In case of climbing with 9.0 % gradient up to 900FT, another TKOF WX MINIMA is applicable.

OBST ALT 358FT located at 0.6NM 236° FM end of RWY26,

OBST ALT 912FT located at 2.1NM 115° FM end of RWY26.

ABASA TWO DEPARTURE

RWY 08 : Climb RWY HDG until 3NM from RWY end/YNE 2.7DME, turn right,...

RWY 26 : Climb RWY HDG until 700FT, turn right,...

...climb via YNE R101 to ABASA.

Note RWY08 : 6.7% climb gradient required up to 700FT.

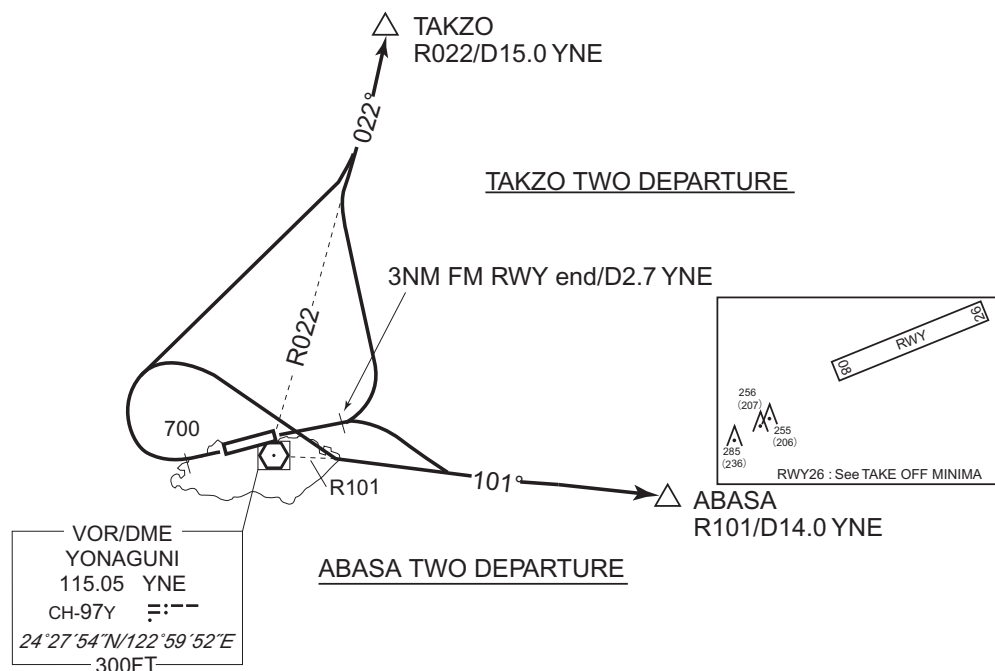
OBST ALT 89FT located at 0.1NM 126° FM end of RWY08.

RWY26 : No turn before DER.

In case of climbing with 9.0 % gradient up to 900FT, another TKOF WX MINIMA is applicable.

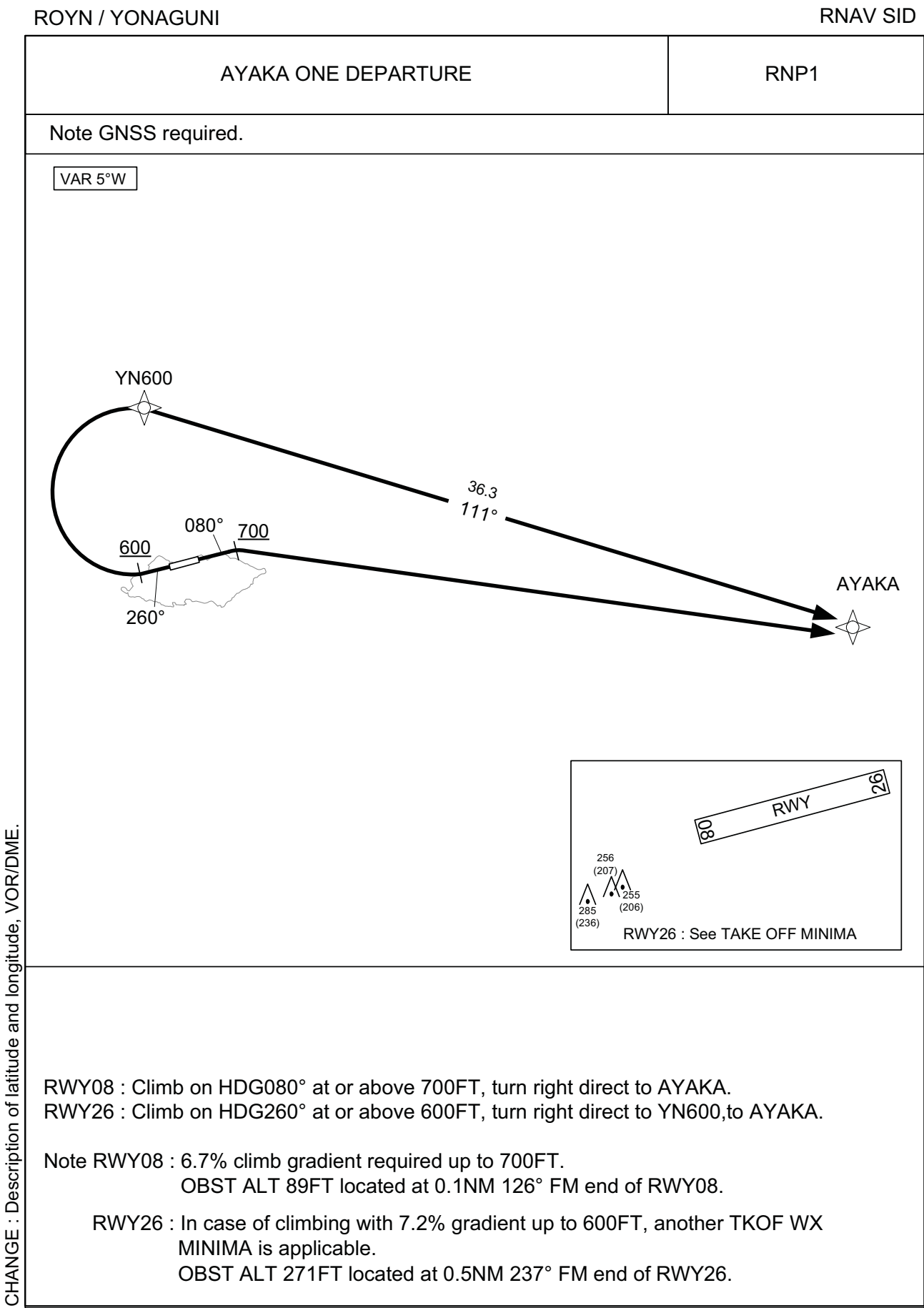
OBST ALT 358FT located at 0.6NM 236° FM end of RWY26,

OBST ALT 912FT located at 2.1NM 115° FM end of RWY26.



CHANGE : PROC renamed. Radial FM YNE. Note RWY08 added. OBST chart added.

STANDARD DEPARTURE CHART -INSTRUMENT



CHANGE : Description of latitude and longitude, VOR/DME.

STANDARD DEPARTURE CHART -INSTRUMENT

ROYN / YONAGUNI

RNAV SID

AYAKA ONE DEPARTURE

RWY08

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	-	-	080 (075.2)	-4.6	-	-	+700	-	-	RNP1
002	DF	AYAKA	-	-	-4.6	-	R	-	-	-	RNP1

RWY26

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	-	-	260 (255.2)	-4.6	-	-	+600	-	-	RNP1
002	DF	YN600	-	-	-4.6	-	R	-	-	-	RNP1
003	TF	AYAKA	-	111 (106.1)	-4.6	36.3	-	-	-	-	RNP1

Waypoint Coordinates

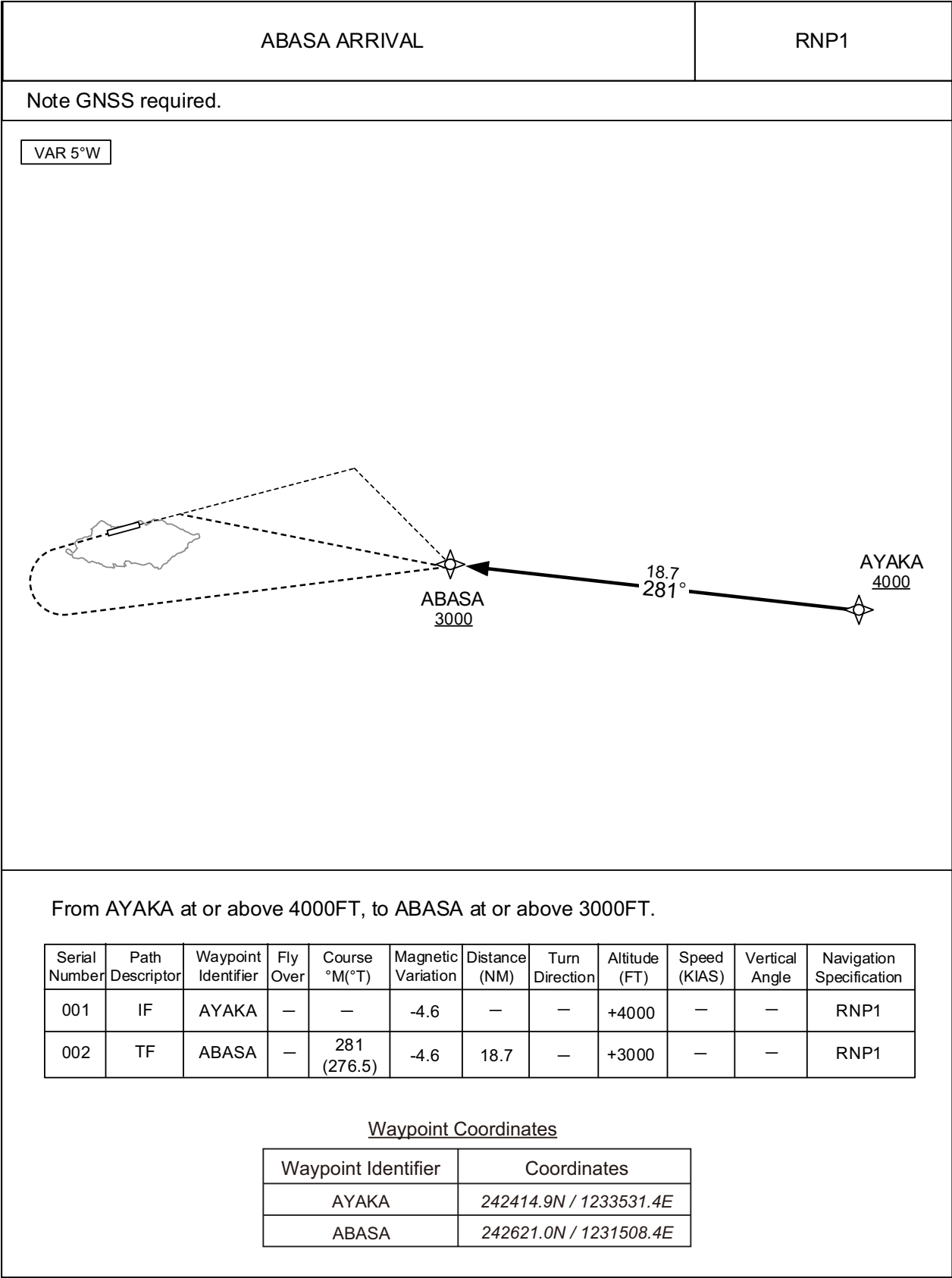
Waypoint Identifier	Coordinates
YN600	243424.5N / 1225712.2E
AYAKA	242414.9N / 1233531.4E

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART-INSTRUMENT

ROYN / YONAGUNI

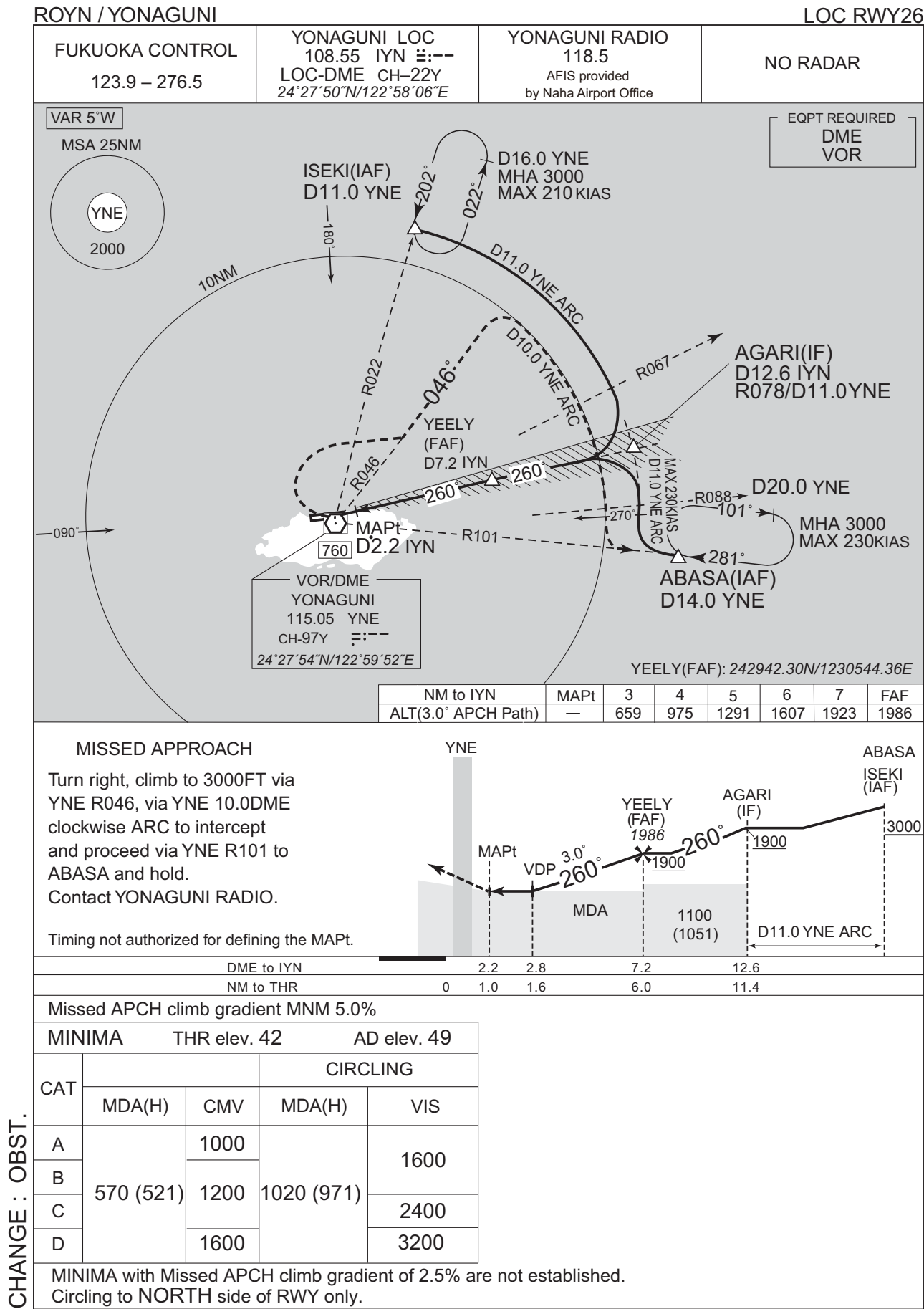
RNAV STAR



CHANGE : Waypoint Coordinates added.

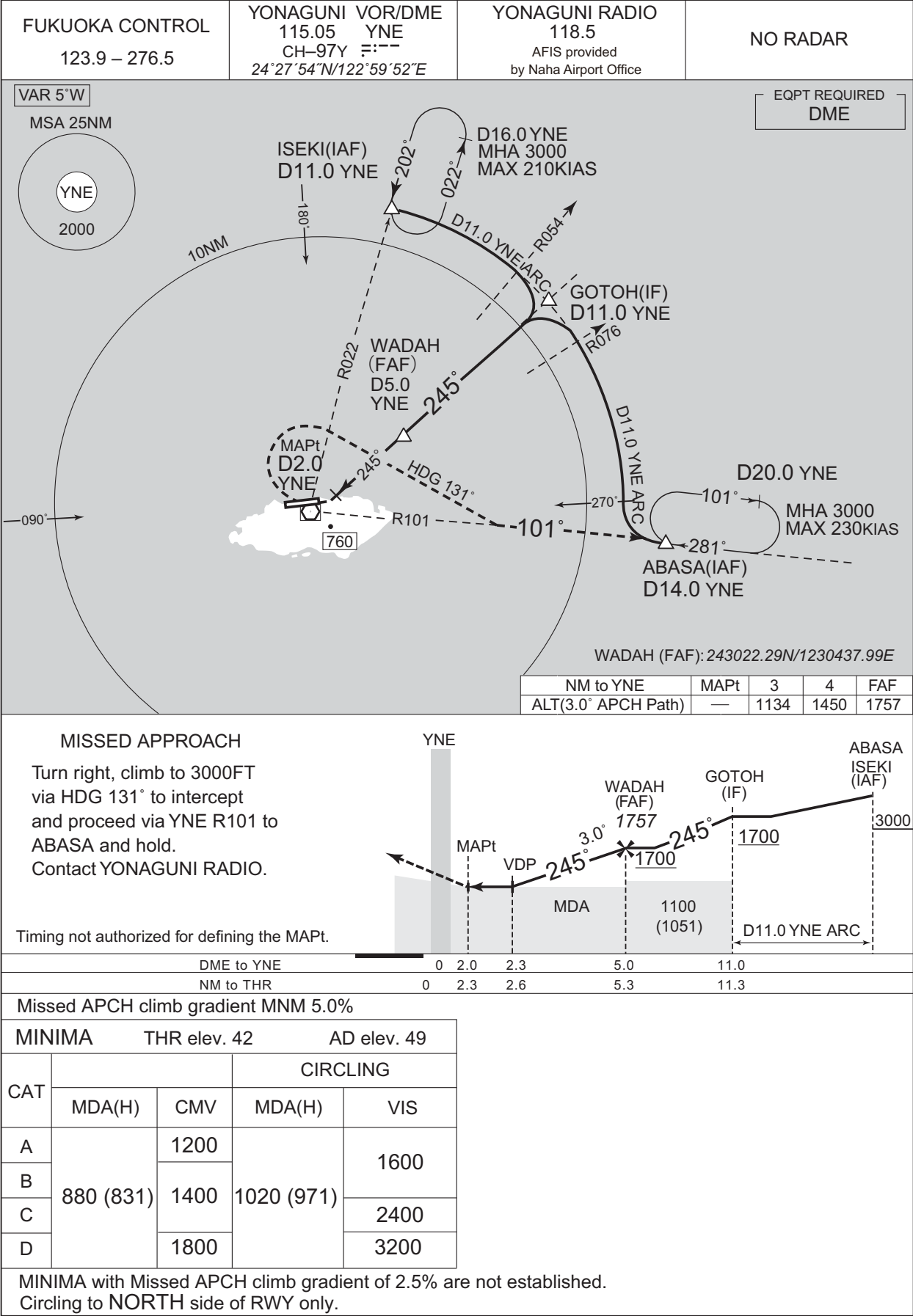
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INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

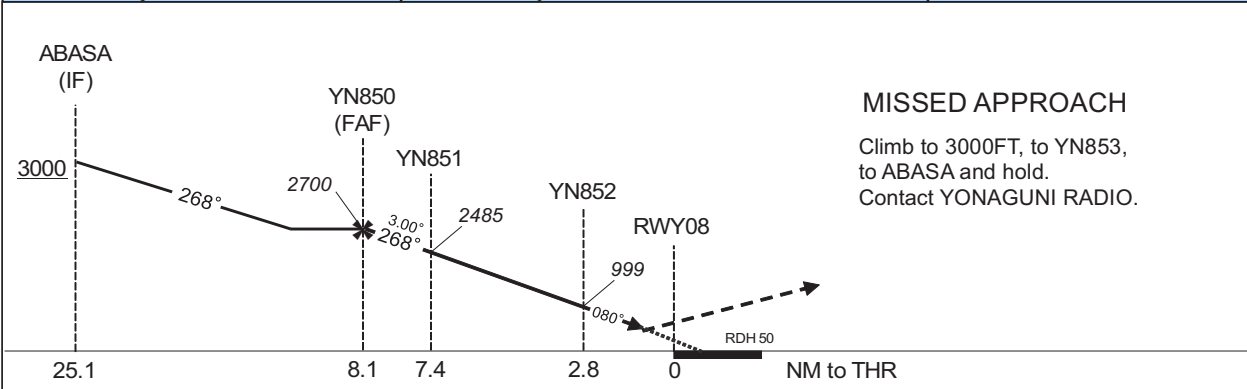
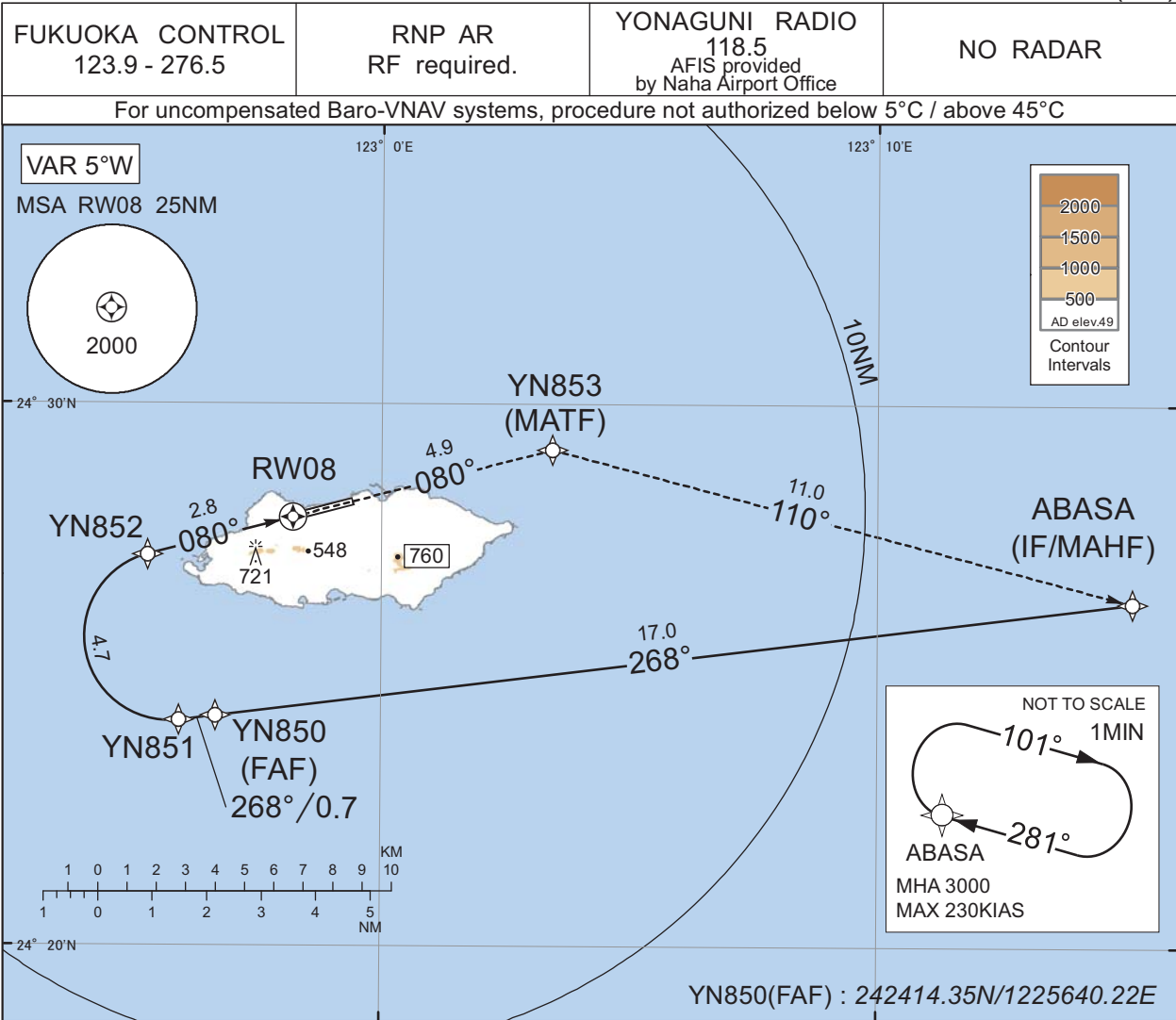
ROYN / YONAGUNI VOR RWY26



INSTRUMENT APPROACH CHART

ROYN / YONAGUNI

RNP RWY08(AR)



CHANGE : New PROC.

Missed APCH climb gradient MNM 5.0%		
MINIMA	THR elev. 72	AD elev. 49
CAT	RNP 0.30	
	DA(H)	CMV
A	-	-
B	-	-
C	840(768)	2000
D	-	-

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

Authorization Required

INSTRUMENT APPROACH CHART

ROYN / YONAGUNI

RNP RWY08(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	ABASA	-	-	-5.1	-	-	+3000	-	-	-
002	TF	YN850	-	268 (262.9)	-5.1	17.0	-	2700	-	-	0.3
003	TF	YN851	-	268 (262.8)	-5.1	0.7	-	2485	-	-3.00	0.3
004	RF Center: YNRF1 r=1.55NM	YN852	-	-	-5.1	4.7	R	999	-	-3.00	0.3
005	TF	RW08	Y	080 (075.2)	-5.1	2.8	-	122	-	-3.00/50	0.3
006	TF	YN853	-	080 (075.2)	-5.1	4.9	-	-	-	-	1.0
007	TF	ABASA	-	110 (104.7)	-5.1	11.0	-	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	ABASA	281 (276.4)	-5.1	1.0 (-14000)	R	3000	FL140	-230 (-14000)	1.0

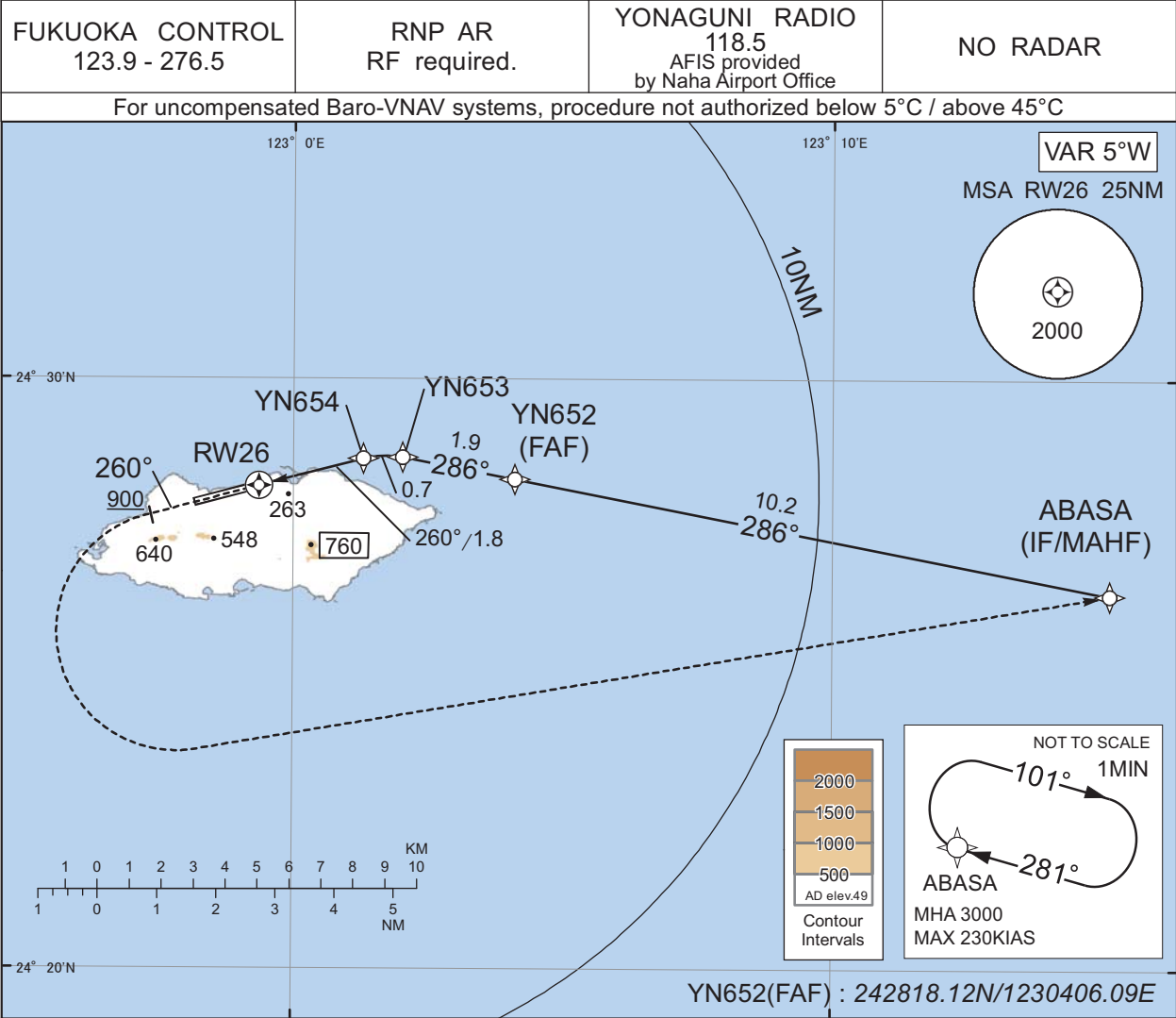
Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
ABASA	242621.02N / 1231508.36E	YNRF1	242541.86N / 1225543.37E
YN850	242414.35N / 1225640.22E		
YN851	242409.26N / 1225556.12E		
YN852	242712.12N / 1225517.42E		
RW08	242754.37N / 1225812.86E		
YN853	242909.68N / 1230326.27E		

CHANGE : New PROC.

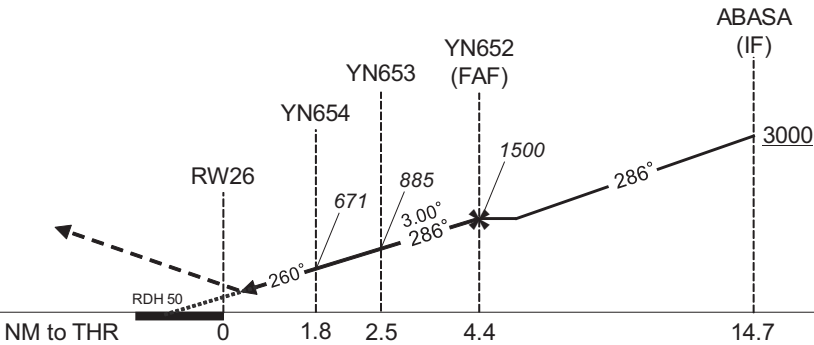
INSTRUMENT APPROACH CHART

ROYN / YONAGUNI RNP Z RWY26(AR)



MISSED APPROACH

From RW26 on track 260°,
at or above 900FT turn left,
direct to ABASA and hold
at 3000FT.
Contact YONAGUNI RADIO.



Missed APCH climb gradient MNM 5.0%		
MINIMA	THR elev. 42	AD elev. 49
CAT	RNP 0.30	
	DA(H)	CMV
A	-	-
B	-	-
C	512(470)	1200
D	-	-

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

Authorization Required

INSTRUMENT APPROACH CHART

ROYN / YONAGUNI

RNP Z RWY26(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	ABASA	-	-	-5.1	-	-	+3000	-	-	-
002	TF	YN652	-	286 (281.0)	-5.1	10.2	-	1500	-	-	0.3
003	TF	YN653	-	286 (281.0)	-5.1	1.9	-	885	-	-3.00	0.3
004	RF Center: YNRF2 r=1.50NM	YN654	-	-	-5.1	0.7	L	671	-	-3.00	0.3
005	TF	RW26	Y	260 (255.2)	-5.1	1.8	-	92	-	-3.00/50	0.3
006	FA	-	-	260 (255.2)	-5.1	-	-	+900	-	-	1.0
007	DF	ABASA	-	-	-5.1	-	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	ABASA	281 (276.4)	-5.1	1.0 (-14000)	R	3000	FL140	-230 (-14000)	1.0

Waypoint Coordinates											
Waypoint Identifier		Coordinates		RF Arc Center Identifier		Coordinates					
ABASA		242621.02N / 1231508.36E		YNRF2		242711.40N / 1230142.58E					
YN652		242818.12N / 1230406.09E									
YN653		242840.10N / 1230201.20E									
YN654		242838.77N / 1230117.53E									
RW26		242810.89N / 1225921.54E									

CHANGE : New PROC.

INSTRUMENT APPROACH CHART

ROYN / YONAGUNI

FUKUOKA CONTROL

123.9 - 276.5

RNP APCH

YONAGUNI RADIO

118.5

AFIS provided
by Naha Airport Office

RNP Y RWY26

NO RADAR

Baro-VNAV not authorized below 5°C

VAR 5°W

10NM

YUUNA (FAF)
5.7
260°
(255.3°T)

ANGAI (IF)
5.7
332°
(327.4°T)

ABASA (IAF/MAHF)

YN650 (MAPt)
5.1
260°
(255.2°T)

YN651 (MATF)
640

760

MSA 25NM

2000

ARP

ARP:242803N / 1225847E

ABASA
(IAF/MAHF)

242621.02N
1231508.36E

ANGAI
(IF)

243109.20N
1231145.46E

YUUNA
(FAF)

242942.46N
1230542.97E

YN650
(MAPt)

242823.76N
1230015.09E

YN651
(MATF)

242737.85N
1225704.20E

MHA 3000
MAX 230KIAS

101°

1MIN

ABASA

281°

NOT TO SCALE

NM to Next Fix

MAPt

1

2

3

4

5

FAF

ALT(3.0°APCH Path)

-

678

996

1315

1633

1951

2000

MISSED APPROACH

Direct to YN651, turn left direct to ABASA and hold at 3000FT.
Contact YONAGUNI RADIO.

VDP
0.7NM to MAPt

YUUNA (FAF)

ANGAI (IF)

ABASA (IAF)

3000

2000

1200

RDH50

MDA

700
(651)

300°

260°

332°

260°

260°

NM to THR

0

0.8

6.0

11.7

Missed APCH climb gradient MNM 5.0%

MINIMA

THR elev.42

AD elev.49

CAT

LNNAV/VNAV

LNNAV

CIRCLING

DA(H)

CMV

MDA(H)

CMV

MDA(H)

VIS

A

530(488)

1000

530(481)

1000

1020(971)

1600

B

530(488)

1200

530(481)

1200

1020(971)

2400

C

530(488)

1200

530(481)

1200

1020(971)

2400

D

530(488)

1200

530(481)

1200

1020(971)

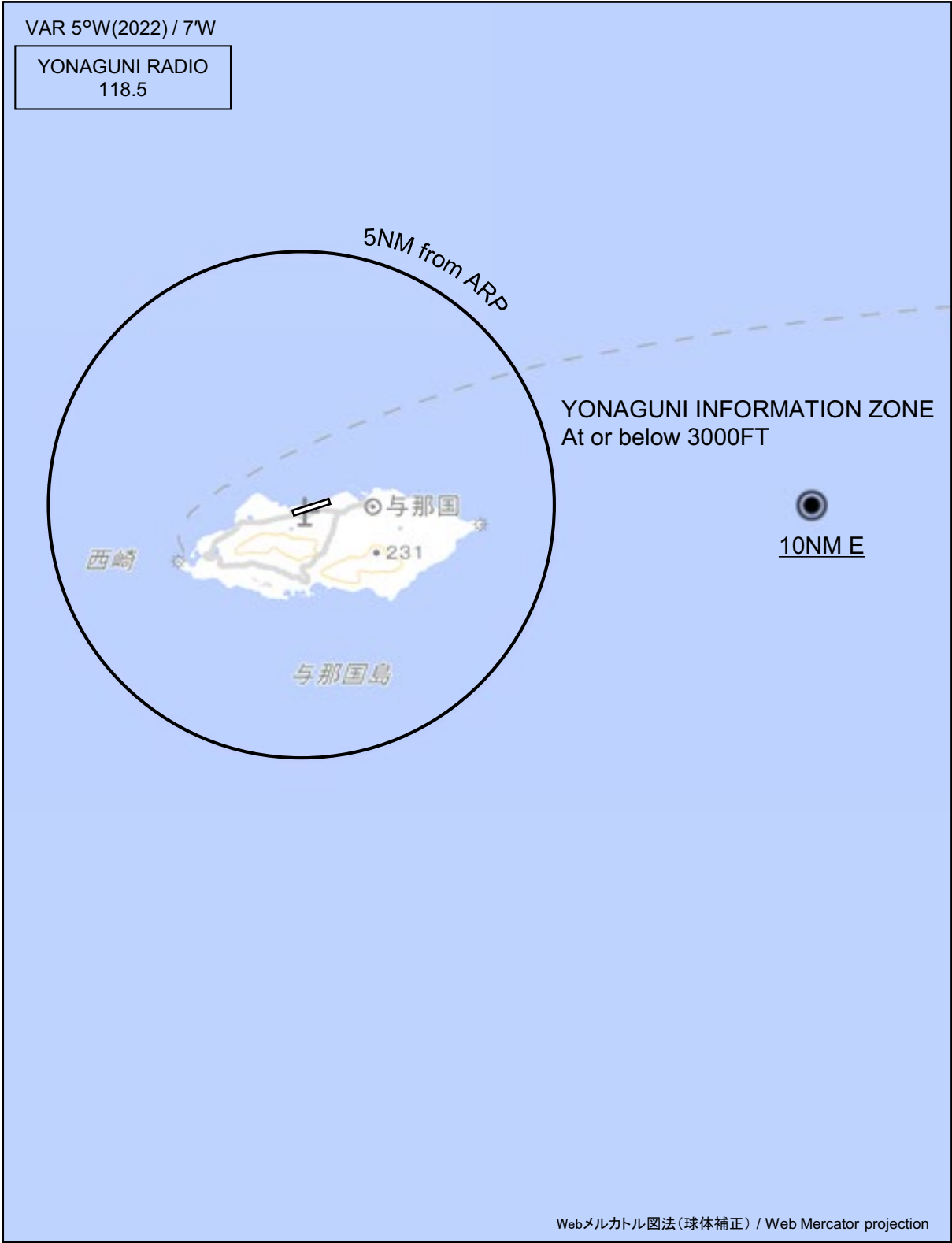
2400

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

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ROYN / YONAGUNI

Visual REP



CHANGE : Map updated. BRG/DIST from ARP.

※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).

Call sign	BRG / DIST from ARP	Remarks
10NM E	090°T / 10.0NM	海上 Over the sea

ROYN / YONAGUNI

Minimum Vectoring Altitude CHART

