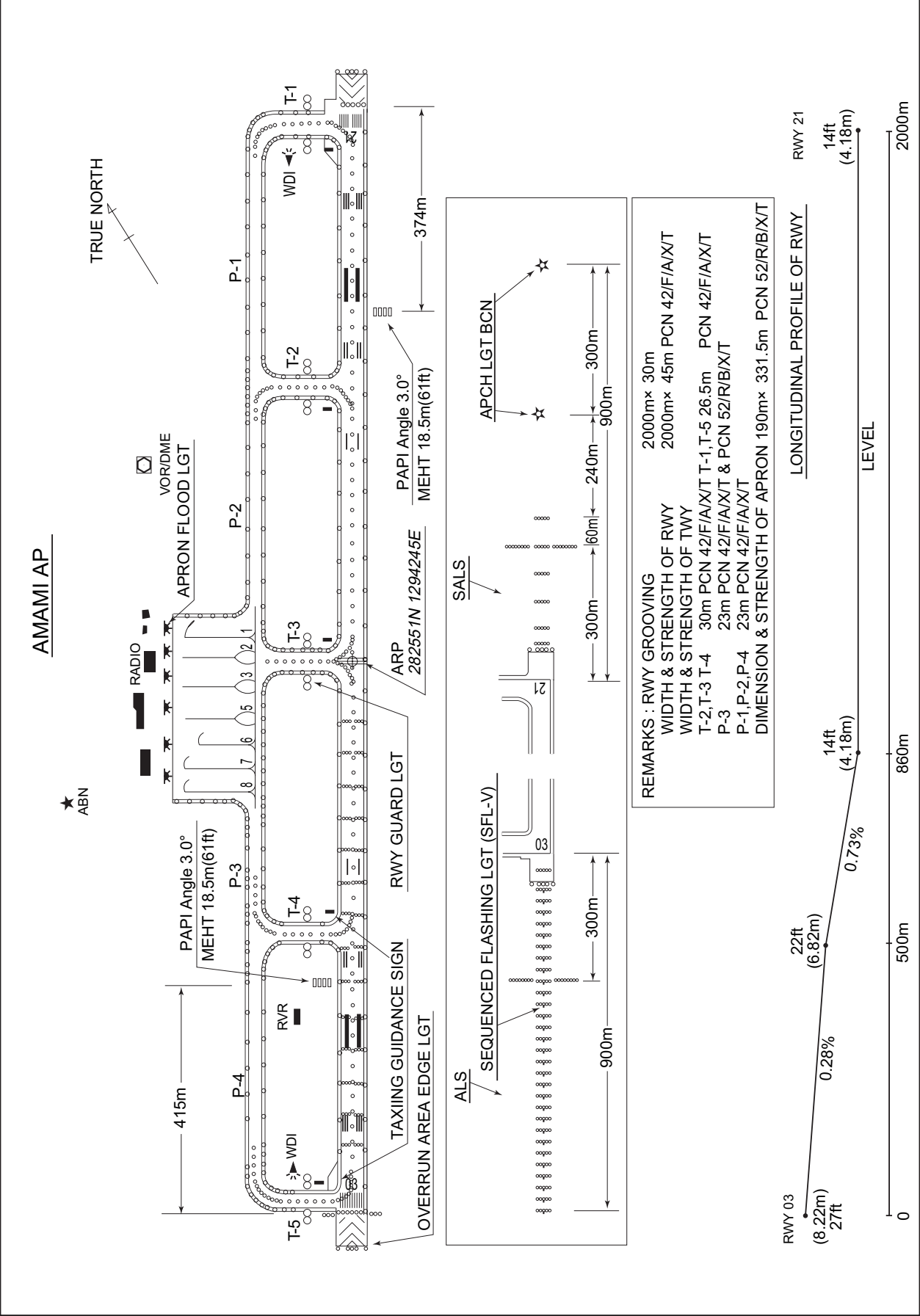
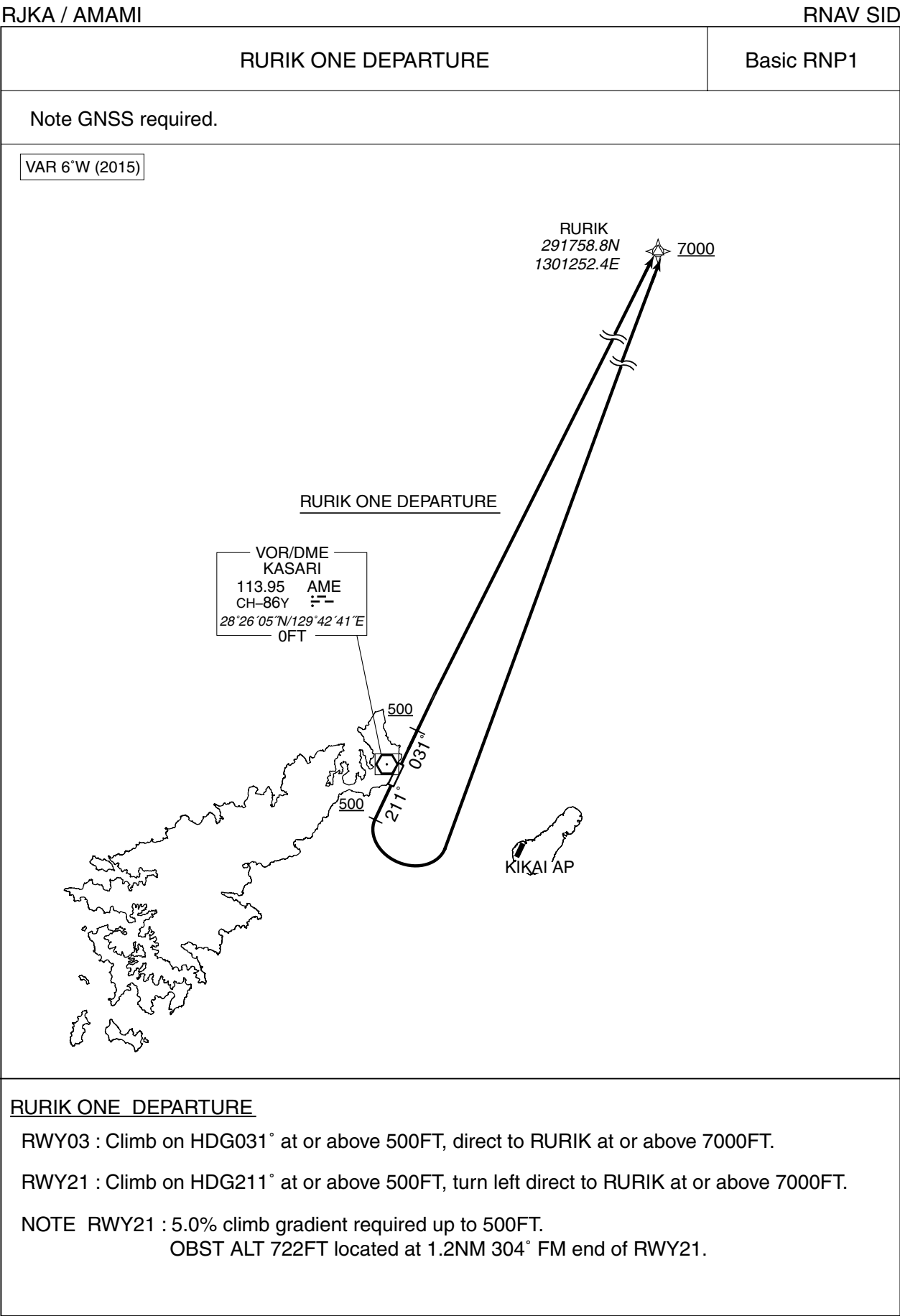


RJKA / AMAMI

AD CHART



STANDARD DEPARTURE CHART -INSTRUMENT



## STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

RNAV SID

RURIK ONE DEPARTURE

## RWY 03

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	—	—	031 (025.8)	-5.7	—	—	+500	—	—	Basic RNP1
002	DF	RURIK	—	—	-5.7	—	—	+7000	—	—	Basic RNP1

## RWY 21

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	—	—	211 (205.8)	-5.7	—	—	+500	—	—	Basic RNP1
002	DF	RURIK	—	—	-5.7	—	L	+7000	—	—	Basic RNP1

STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

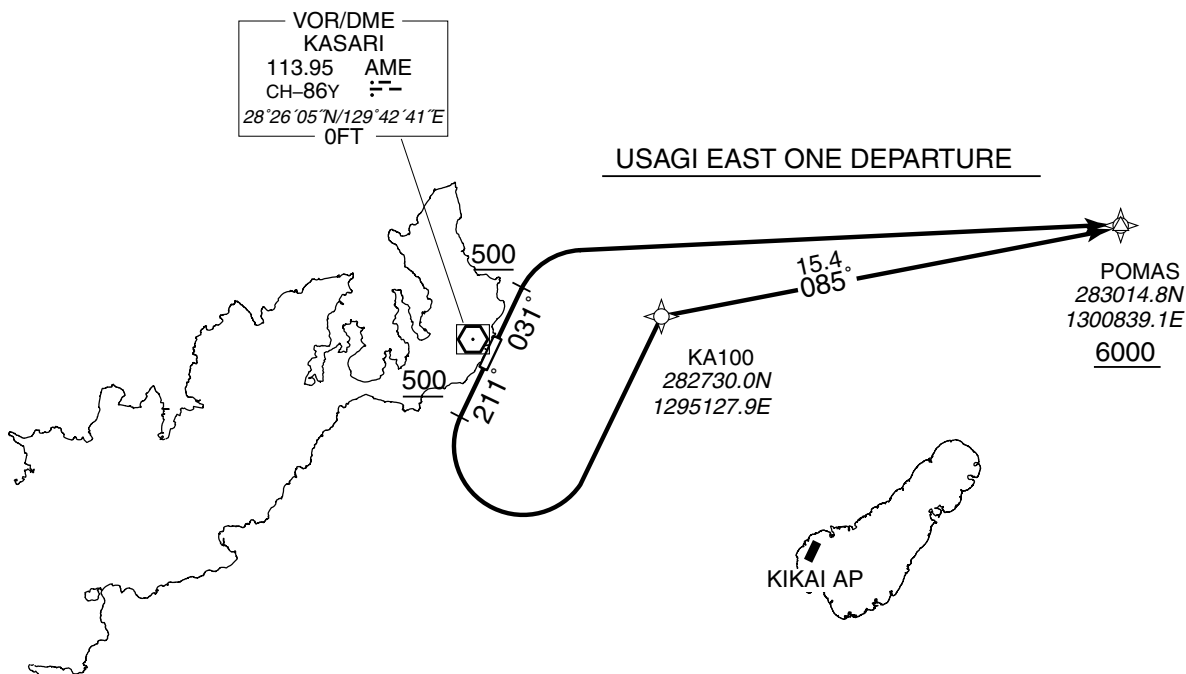
RNAV SID

USAGI EAST ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 6°W (2015)



USAGI EAST ONE DEPARTURE

RWY03 : Climb on HDG031° at or above 500FT, turn right to POMAS at or above 6000FT.

RWY21 : Climb on HDG211° at or above 500FT, turn left direct to KA100, to POMAS at or above 6000FT.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

RNAV SID

USAGI EAST ONE DEPARTURE

## RWY 03

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	—	—	031 (025.8)	-5.7	—	—	+500	—	—	Basic RNP1
002	DF	POMAS	—	—	-5.7	—	R	+6000	—	—	Basic RNP1

## RWY 21

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	—	—	211 (205.8)	-5.7	—	—	+500	—	—	Basic RNP1
002	DF	KA100	—	—	-5.7	—	L	—	—	—	Basic RNP1
003	TF	POMAS	—	085 (079.6)	-5.7	15.4	—	+6000	—	—	Basic RNP1

STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

RNAV SID and TRANSITION



## STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

RNAV SID and TRANSITION

YUWAN TWO DEPARTURE

## RWY 03

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	—	—	031 (025.8)	-5.7	—	—	+500	—	—	Basic RNP1
002	DF	KA300	—	—	-5.7	—	R	—	—	—	Basic RNP1
003	TF	YUWAN	—	245 (239.0)	-5.7	19.2	—	+4000	—	—	Basic RNP1

## RWY 21

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	—	—	211 (205.8)	-5.7	—	—	+500	—	—	Basic RNP1
002	DF	KA101	—	—	-5.7	—	—	—	—	—	Basic RNP1
003	TF	YUWAN	—	234 (228.1)	-5.7	15.0	—	+4000	—	—	Basic RNP1

PINNE 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	YUWAN	—	—	-5.7	—	—	+4000	—	—	Basic RNP1
002	TF	PINNE	—	228 (221.9)	-5.7	29.3	—	—	—	—	Basic RNP1

ERABU 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	YUWAN	—	—	-5.7	—	—	+4000	—	—	Basic RNP1
002	TF	ONC	—	228 (221.9)	-5.7	60.6	—	—	—	—	Basic RNP1

STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

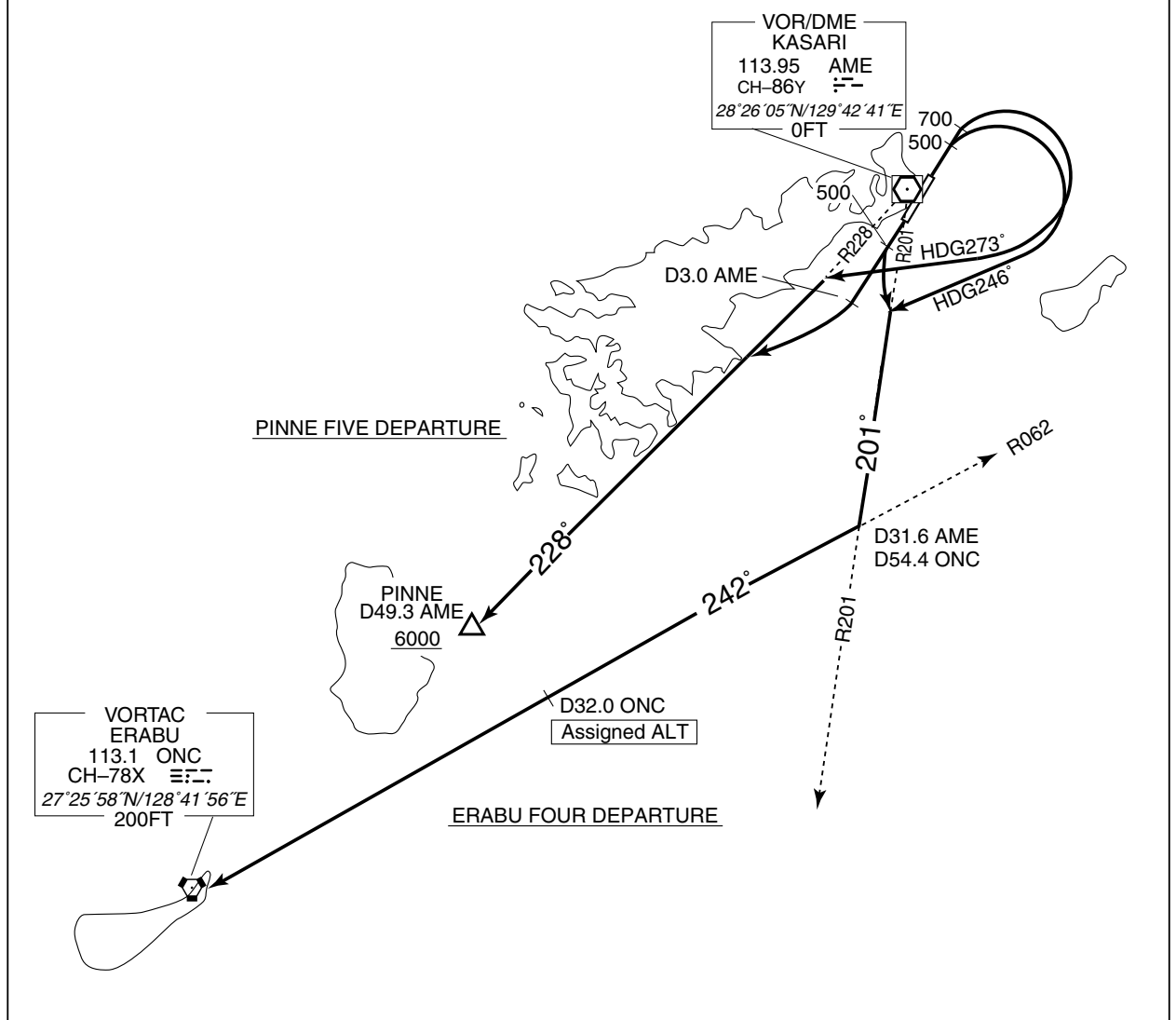
SID

PINNE FIVE DEPARTURE

RWY 03 : Climb RWY HDG to 700FT, turn right HDG273° to intercept and proceed...  
RWY 21 : Climb RWY HDG to AME 3.0DME, turn right,...  
... via AME R228 to PINNE.  
Cross PINNE at or above 6000FT.

ERABU FOUR DEPARTURE

RWY 03 : Climb RWY HDG to 500FT, turn right HDG246° to intercept and proceed...  
RWY 21 : Climb RWY HDG to 500FT, turn left,...  
... via AME R201, via ONC R062 to ONC VORTAC.  
Cross ONC R062/32.0DME at assigned altitude.





## STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

SID

KASARI REVERSAL TWO DEPARTURE

RWY03 : Climb RWY HDG to 1000FT, turn right,...

RWY21 : Climb RWY HDG to 1000FT, turn left,...

...direct to AME VOR/DME. Cross AME VOR/DME at or above 3000FT.

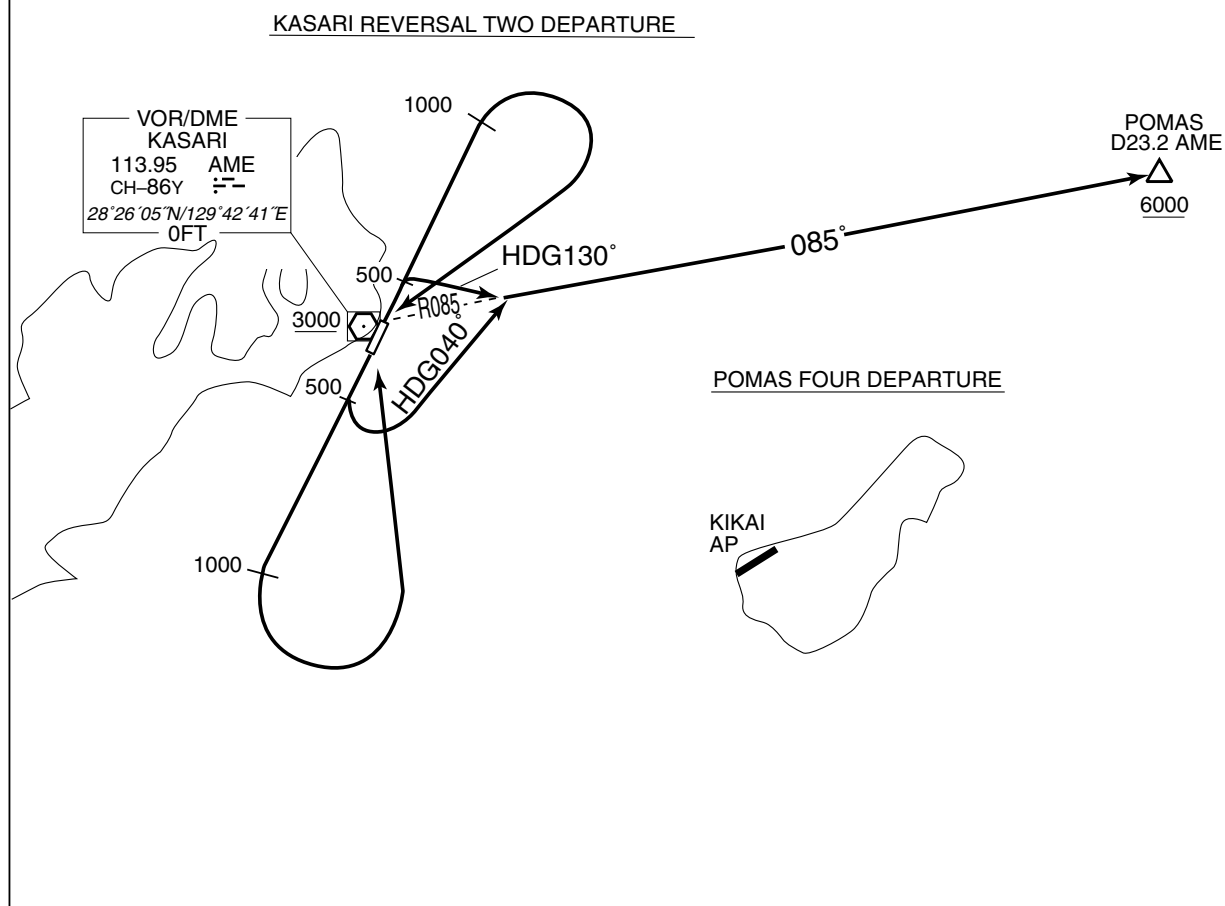
POMAS FOUR DEPARTURE

RWY03 : Climb RWY HDG to 500FT, turn right HDG130°...

RWY21 : Climb RWY HDG to 500FT, turn left HDG040°...

... to intercept and proceed via AME R085 to POMAS.

Cross POMAS at or above 6000FT.



STANDARD ARRIVAL CHART-INSTRUMENT

RJKA / AMAMI

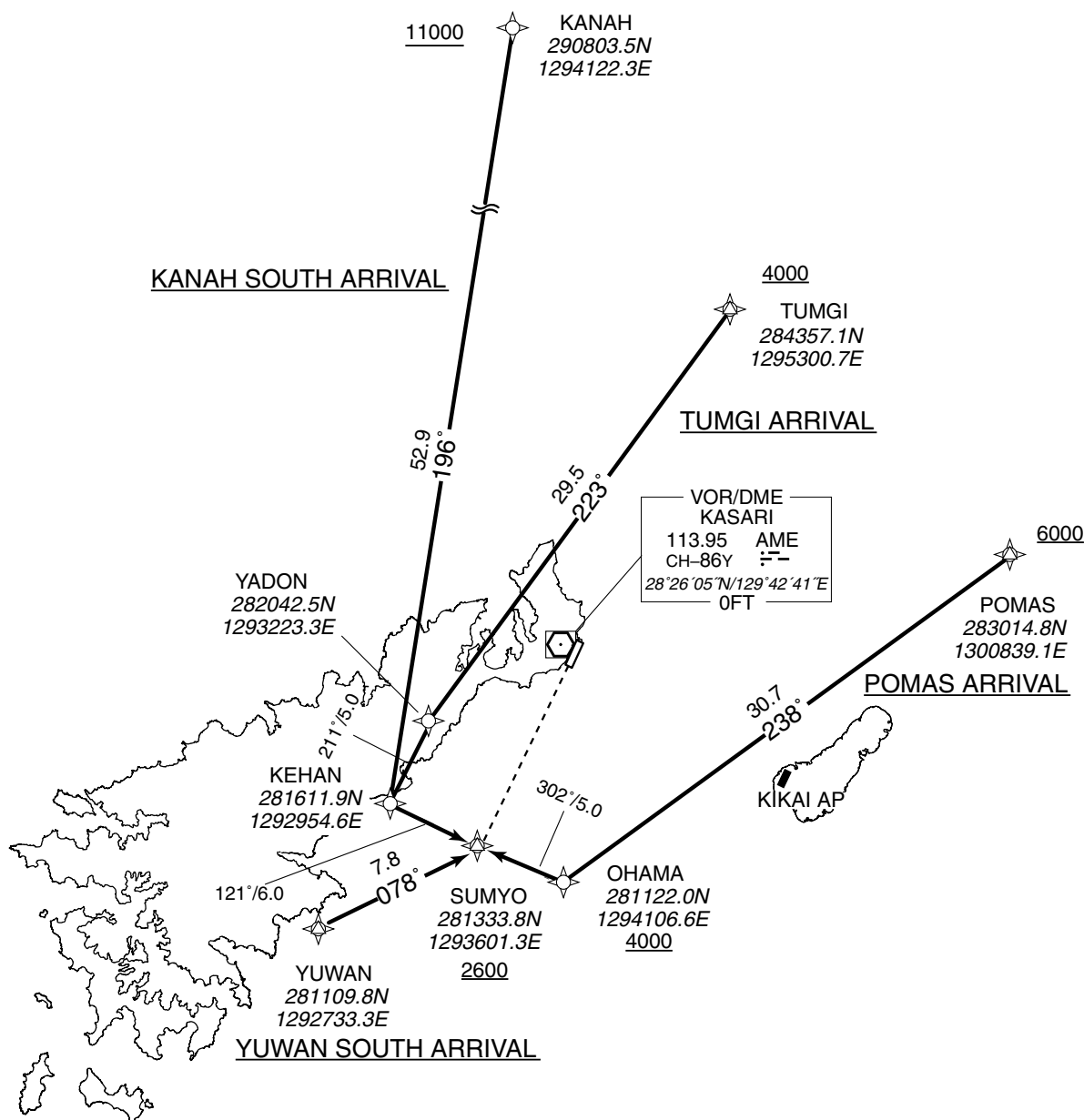
RNAV STAR RWY03

POMAS ARRIVAL / YUWAN SOUTH ARRIVAL  
KANAH SOUTH ARRIVAL / TUMGI ARRIVAL

Basic RNP1

Note GNSS required.

VAR 5°W (2013)



## STANDARD ARRIVAL CHART-INSTRUMENT

RJKA / AMAMI

RNAV STAR RWY03

POMAS ARRIVAL

From POMAS at or above 6000FT, to OHAMA at or above 4000FT, to SUMYO at or above 2600FT.

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	POMAS	—	—	-5.4	—	—	+6000	—	—	Basic RNP1
002	TF	OHAMA	—	238 (232.2)	-5.4	30.7	—	+4000	—	—	Basic RNP1
003	TF	SUMYO	—	302 (296.1)	-5.4	5.0	—	+2600	—	—	Basic RNP1

YUWAN SOUTH ARRIVAL

From YUWAN, to SUMYO at or above 2600FT.

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	YUWAN	—	—	-5.4	—	—	—	—	—	Basic RNP1
002	TF	SUMYO	—	078 (072.1)	-5.4	7.8	—	+2600	—	—	Basic RNP1

KANAH SOUTH ARRIVAL

From KANAH at or above 11000FT, to KEHAN, to SUMYO at or above 2600FT.

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	KANAH	—	—	-5.4	—	—	+11000	—	—	Basic RNP1
002	TF	KEHAN	—	196 (191.0)	-5.4	52.9	—	—	—	—	Basic RNP1
003	TF	SUMYO	—	121 (116.0)	-5.4	6.0	—	+2600	—	—	Basic RNP1

TUMGI ARRIVAL

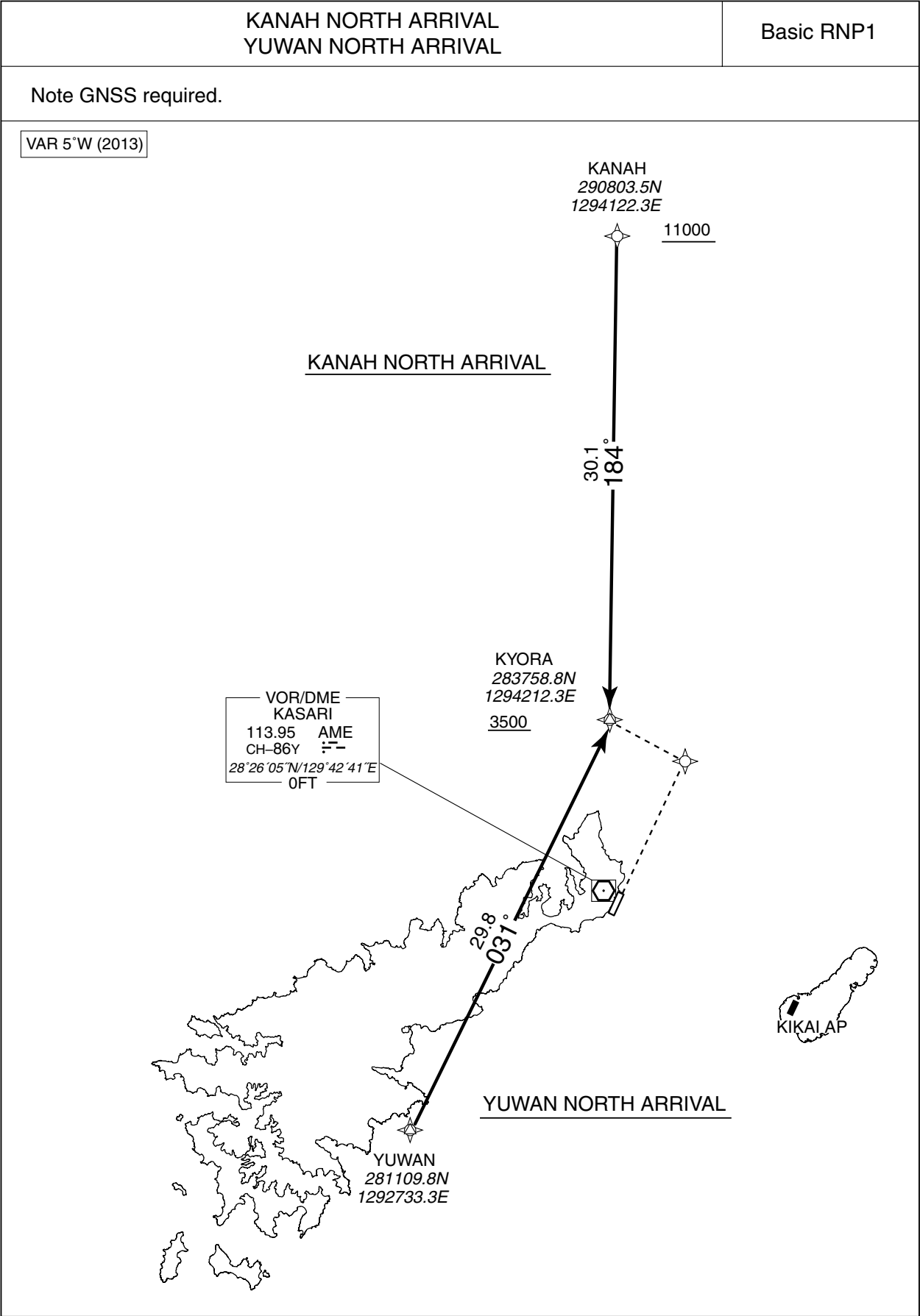
From TUMGI at or above 4000FT, to YADON, to KEHAN, to SUMYO at or above 2600FT.

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	TUMGI	—	—	-5.4	—	—	+4000	—	—	Basic RNP1
002	TF	YADON	—	223 (218.0)	-5.4	29.5	—	—	—	—	Basic RNP1
003	TF	KEHAN	—	211 (205.8)	-5.4	5.0	—	—	—	—	Basic RNP1
004	TF	SUMYO	—	121 (116.0)	-5.4	6.0	—	+2600	—	—	Basic RNP1

STANDARD ARRIVAL CHART-INSTRUMENT

RJKA / AMAMI

RNAV STAR RWY21



## STANDARD ARRIVAL CHART-INSTRUMENT

RJKA / AMAMI

RNAV STAR RWY21

KANAH NORTH ARRIVAL

From KANAH at or above 11000FT, to KYORA at or above 3500FT.

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	KANAH	—	—	-5.4	—	—	+11000	—	—	Basic RNP1
002	TF	KYORA	—	184 (178.6)	-5.4	30.1	—	+3500	—	—	Basic RNP1

YUWAN NORTH ARRIVAL

From YUWAN, to KYORA at or above 3500FT.

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	YUWAN	—	—	-5.4	—	—	—	—	—	Basic RNP1
002	TF	KYORA	—	031 (025.6)	-5.4	29.8	—	+3500	—	—	Basic RNP1

## RJKA / AMAMI

ILS Z or LOC Z RWY03

CHANGE : COM

## INSTRUMENT APPROACH CHART

RJKA / AMAMI

ILS Y or LOC Y RWY03

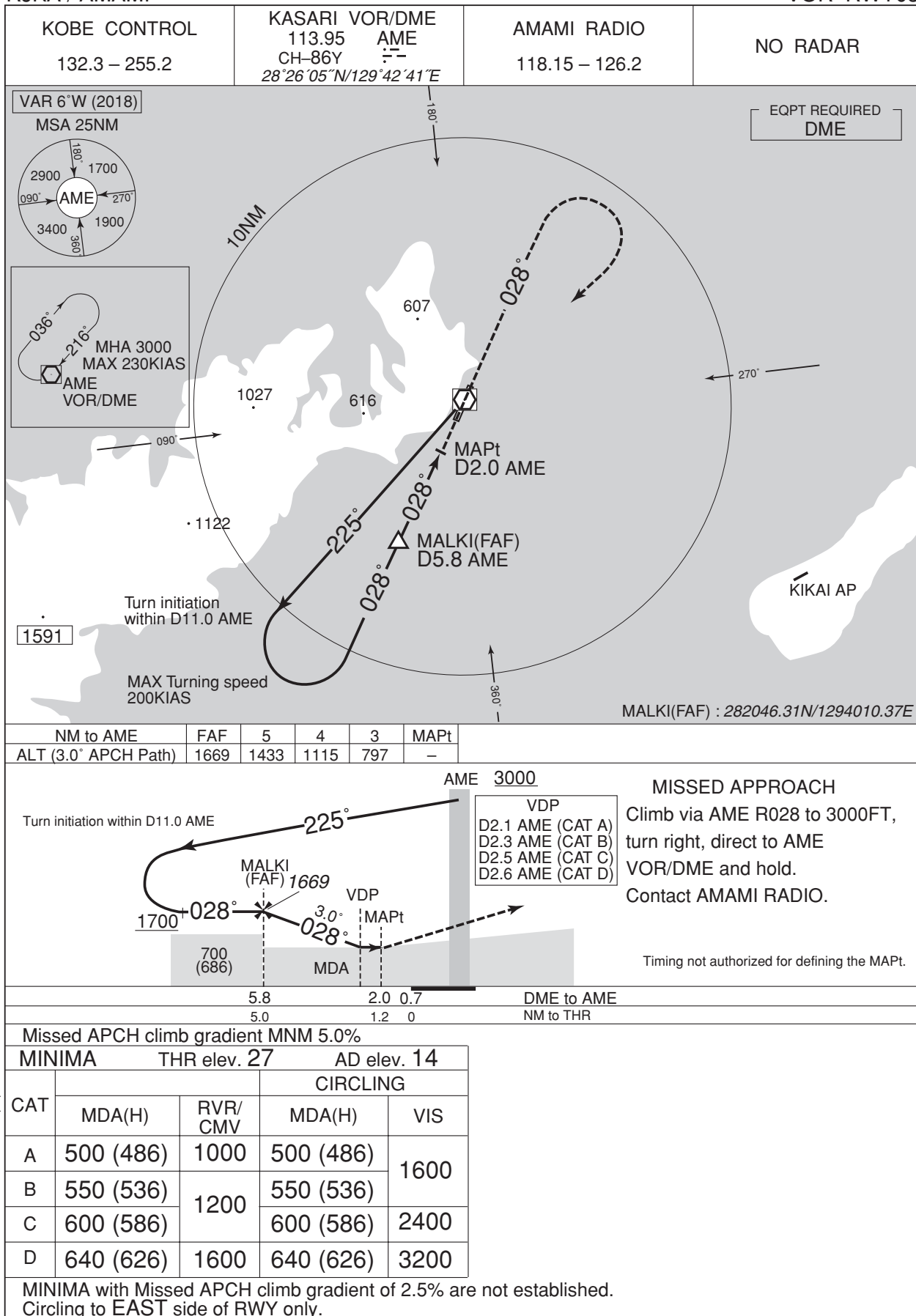


CHANGE : COM

## INSTRUMENT APPROACH CHART

RJKA / AMAMI

VOR RWY03



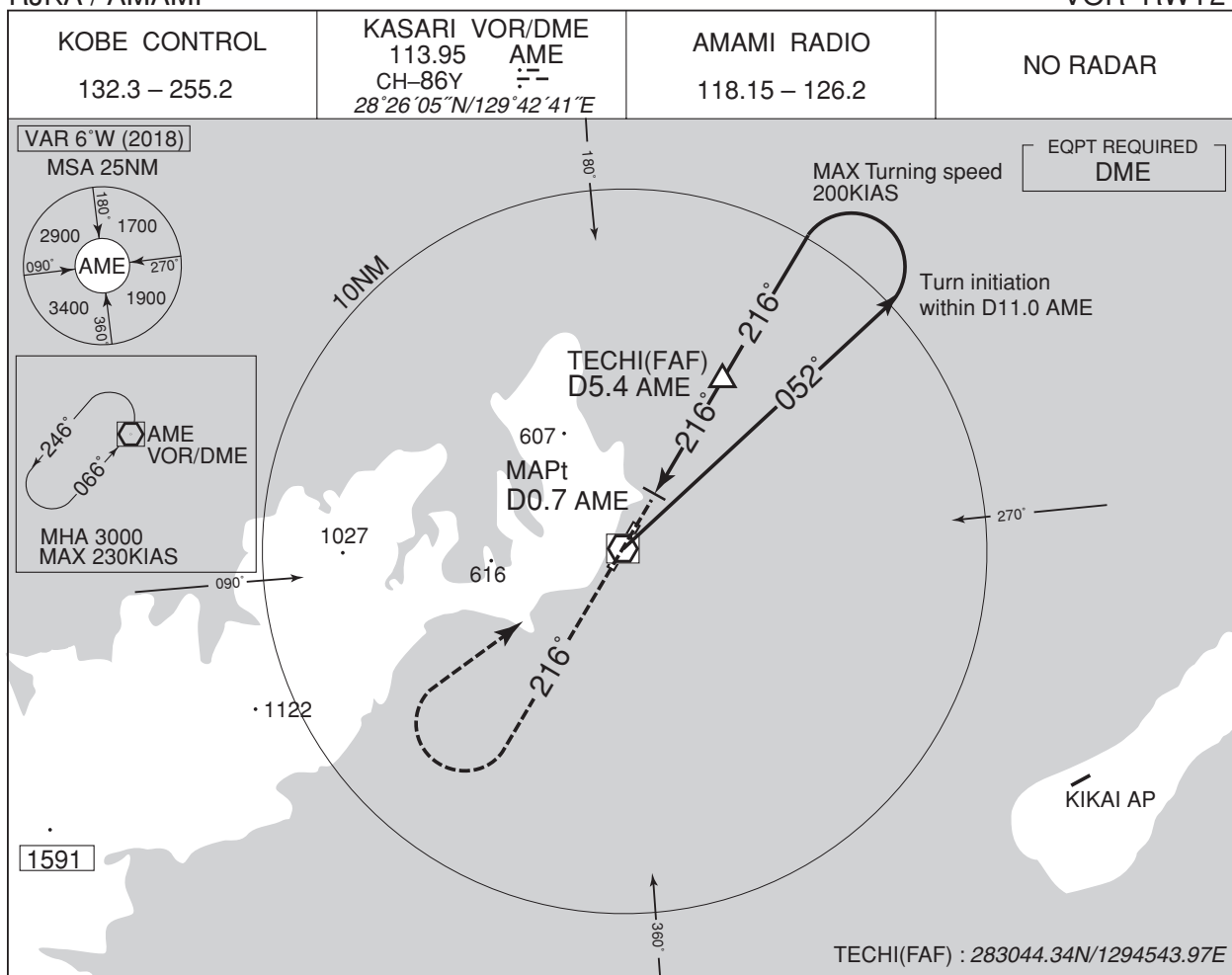
CHANGE : VAR, MAPt, MDA(H)



## INSTRUMENT APPROACH CHART

RJKA / AMAMI

VOR RWY21



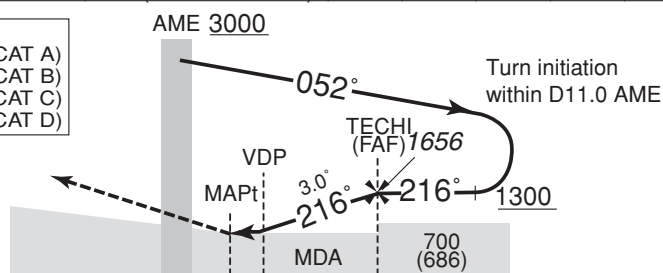
NM to AME	MAPt	3	4	5	FAF
ALT (3.0° APCH Path)	—	904	1222	1540	1656

## MISSED APPROACH

Climb via AME R216 to 3000FT,  
turn right, direct to AME  
VOR/DME and hold.  
Contact AMAMI RADIO.

VDP
D1.9 AME (CAT A)
D2.0 AME (CAT B)
D2.2 AME (CAT C)
D2.4 AME (CAT D)

Timing not authorized for defining the MAPt.



DME to AME	0.4	0.7	5.4
NM to THR	0	0.3	5.0

Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 14	AD elev. 14	
CAT	MDA(H)	CMV	MDA(H)	VIS
A	530 (516)	1500	530 (516)	1600
B	580 (566)		580 (566)	
C	630 (616)	1800	630 (616)	2400
D	660 (646)	2000	660 (646)	3200

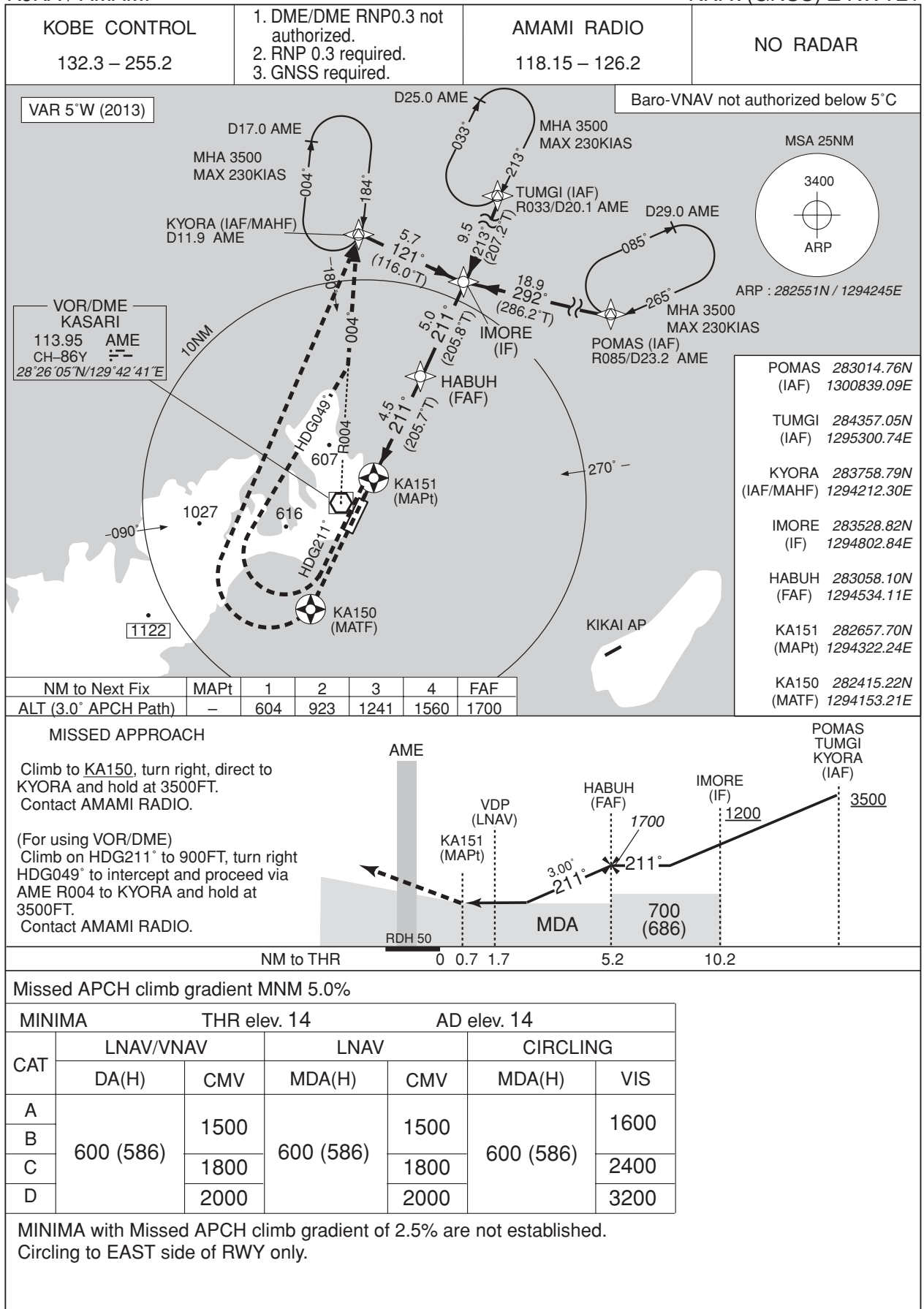
MINIMA with Missed APCH climb gradient of 2.5% are not established.  
Circling to EAST side of RWY only.

CHANGE : Editorial

## INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(GNSS) Z RWY21



## INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(RNP) Z RWY03

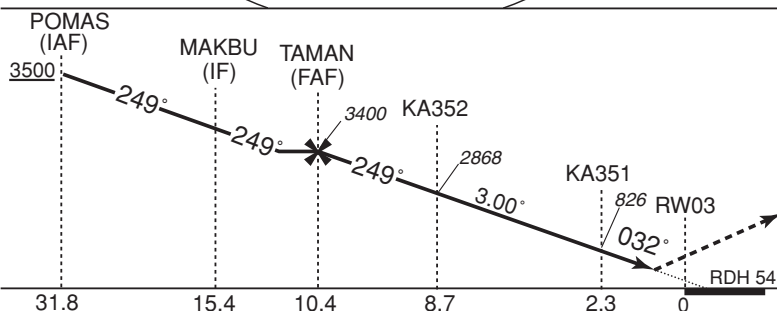
KOBE CONTROL  
132.3 – 255.2

GNSS and RF required

AMAMI RADIO  
118.15 – 126.2

NO RADAR

For uncompensated Baro-VNAV systems, procedure not authorized below 0°C / above 45°C



## MISSED APPROACH

Climb to 3500FT, to HABUH,  
to TUMGI and hold.  
Contact AMAMI RADIO.

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 27 AD elev. 14

CAT	RNP 0.13		RNP 0.30	
	DA(H)	RVR/CMV	DA(H)	RVR/CMV
A	—	—	—	—
B	—	—	—	—
C	327(300)	1000	554(527)	1200
D		1400		1600

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

**RNP AR**  
Special Authorization Required

## INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(RNP) Z RWY03

RNAV(RNP) Z RWY03Coding 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	POMAS	—	—	-5.8	—	—	+3500	—	—	—
002	TF	MAKBU	—	249 (243.2)	-5.8	16.4	—	—	—	—	1.0
003	TF	TAMAN	—	249 (243.1)	-5.8	5.0	—	3400	—	—	1.0
004	TF	KA352	—	249 (243.0)	-5.8	1.7	—	2868	—	-3.00	0.13 0.30
005	RF Center: KARF2 r=2.57NM	KA351	—	—	-5.8	6.4	R	826	—	-3.00	0.13 0.30
006	TF	RW03	Y	032 (025.7)	-5.8	2.3	—	81	—	-3.00/54	0.13 0.30
007	TF	HABUH	—	032 (025.7)	-5.8	6.2	—	—	—	—	1.0
008	TF	TUMGI	—	032 (026.7)	-5.8	14.5	—	3500	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
POMAS	283014.76N/1300839.09E	KARF2	282207.23N/1294357.69E
MAKBU	282250.41N/1295201.79E		
TAMAN	282034.56N/1294658.27E		
KA352	281949.10N/1294516.83E		
KA351	282314.74N/1294120.10E		
RW03	282521.39N/1294229.46E		
HABUH	283058.10N/1294534.11E		
TUMGI	284357.05N/1295300.74E		

## INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(RNP) Y RWY03

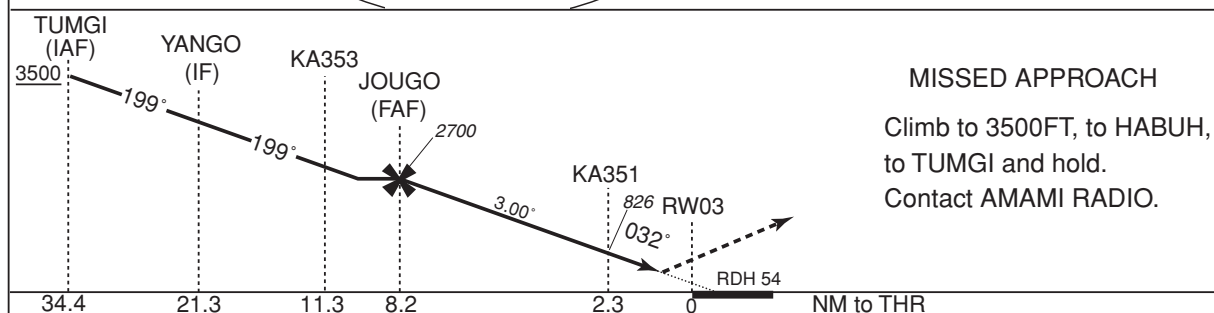
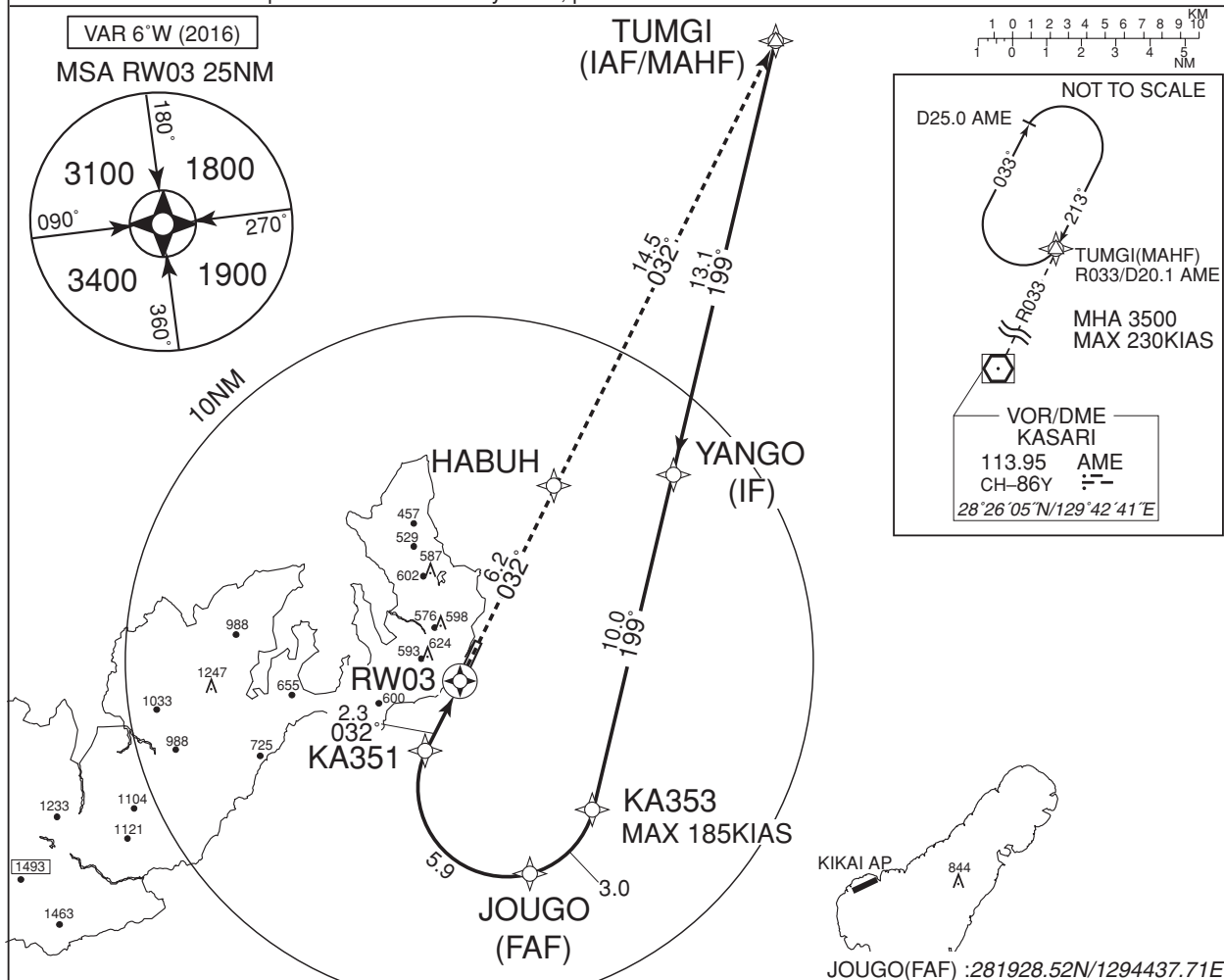
KOBE CONTROL  
132.3 – 255.2

GNSS and RF required

AMAMI RADIO  
118.15 – 126.2

NO RADAR

For uncompensated Baro-VNAV systems, procedure not authorized below 0°C / above 45°C



Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 27 AD elev. 14

CAT	RNP 0.13		RNP 0.30	
	DA(H)	RVR/CMV	DA(H)	RVR/CMV
A	—	—	—	—
B	—	—	—	—
C	327(300)	1000	554(527)	1200
D	—	1400	—	1600

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

# RNP AR

Special Authorization Required

CHANGE : COM

## INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(RNP) Y RWY03

RNAV(RNP) Y RWY03Coding 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	TUMGI	—	—	-5.8	—	—	+3500	—	—	—
002	TF	YANGO	—	199 (193.3)	-5.8	13.1	—	—	—	—	1.0
003	TF	KA353	—	199 (193.3)	-5.8	10.0	—	+2700	-185	—	1.0
004	RF Center: KARF1 r=2.65NM	JOUGO	—	—	-5.8	3.0	R	2700	—	—	1.0
005	RF Center: KARF1 r=2.65NM	KA351	—	—	-5.8	5.9	R	826	—	-3.00	0.13 0.30
006	TF	RW03	Y	032 (025.7)	-5.8	2.3	—	81	—	-3.00/54	0.13 0.30
007	TF	HABUH	—	032 (025.7)	-5.8	6.2	—	—	—	—	1.0
008	TF	TUMGI	—	032 (026.7)	-5.8	14.5	—	3500	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
TUMGI	284357.05N/1295300.74E	KARF1	282205.14N/1294402.59E
YANGO	283113.92N/1294935.29E		
KA353	282128.37N/1294658.25E		
JOUGO	281928.52N/1294437.71E		
KA351	282314.74N/1294120.10E		
RW03	282521.39N/1294229.46E		
HABUH	283058.10N/1294534.11E		

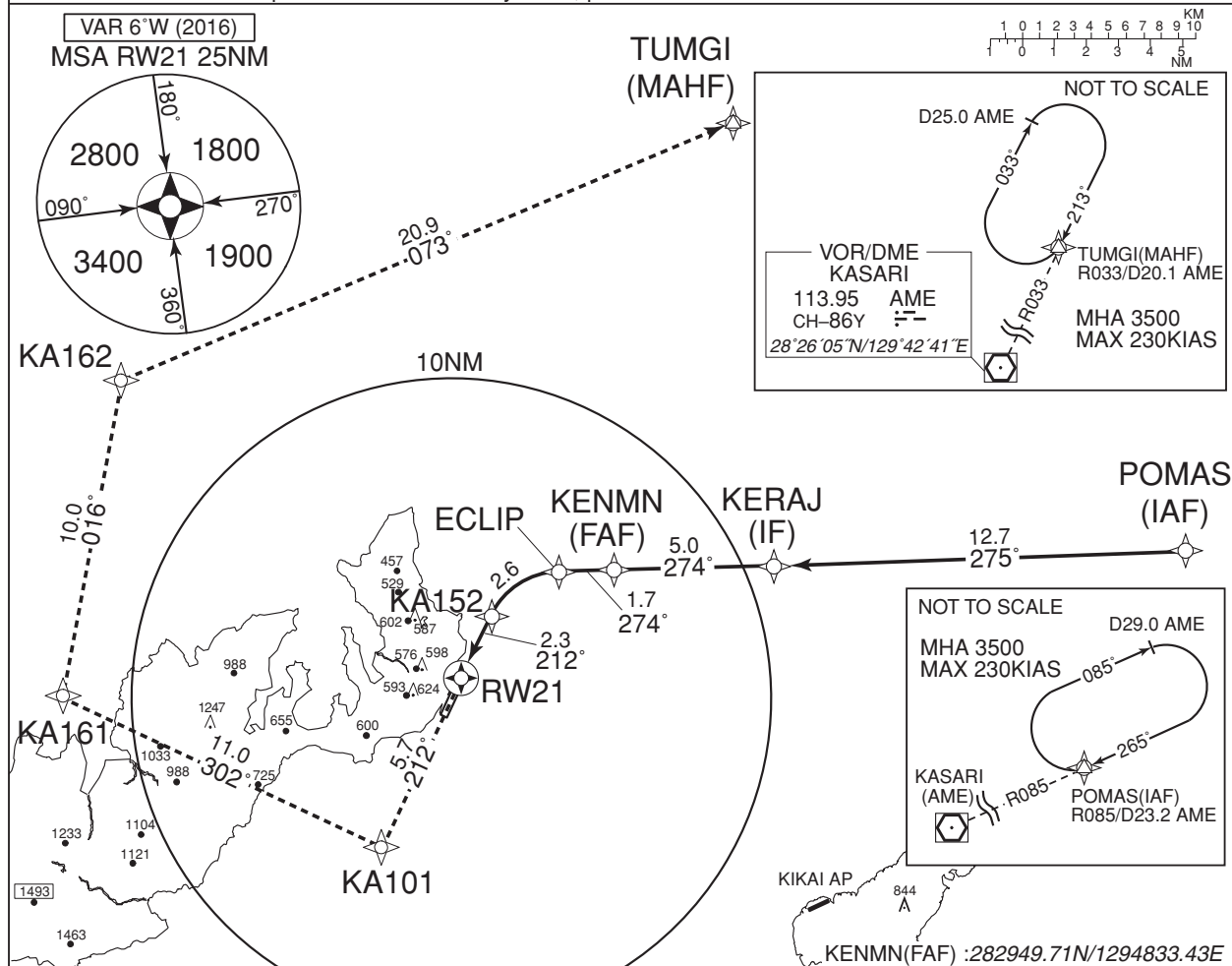
## INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(RNP) Y RWY21

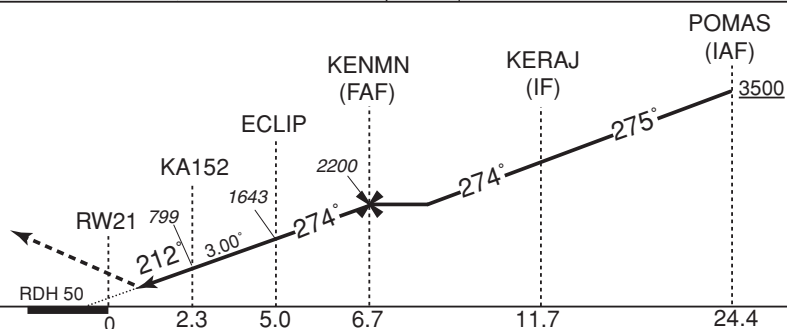
KOBE CONTROL 132.3 – 255.2	GNSS and RF required	AMAMI RADIO 118.15 – 126.2	NO RADAR
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For uncompensated Baro-VNAV systems, procedure not authorized below 0°C/ above 45°C



## MISSED APPROACH

Climb to 3500FT, to KA101,  
to KA161, to KA162, to  
TUMGI and hold.  
Contact AMAMI RADIO.



Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 14 AD elev. 14

CAT	RNP 0.14		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	—	—	—	—
B	—	—	—	—
C	325(311)	1600	528(514)	1800
D		1800		2000

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

# RNP AR

Special Authorization Required

CHANGE : COM

## INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(RNP) Y RWY21

RNAV(RNP) Y RWY21Coding 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	POMAS	—	—	-5.8	—	—	+3500	—	—	—
002	TF	KERAJ	—	275 (268.7)	-5.8	12.7	—	—	—	—	1.0
003	TF	KENMN	—	274 (268.6)	-5.8	5.0	—	2200	—	—	1.0
004	TF	ECLIP	—	274 (268.6)	-5.8	1.7	—	1643	—	-3.00	0.14 0.30
005	RF Center: KARF4 r=2.42NM	KA152	—	—	-5.8	2.6	L	799	—	-3.00	0.14 0.30
006	TF	RW21	Y	212 (205.7)	-5.8	2.3	—	64	—	-3.00/50	0.14 0.30
007	TF	KA101	—	212 (205.7)	-5.8	5.7	—	—	—	—	1.0
008	TF	KA161	—	302 (295.9)	-5.8	11.0	—	—	—	—	1.0
009	TF	KA162	—	016 (010.7)	-5.8	10.0	—	—	—	—	1.0
010	TF	TUMGI	—	073 (067.1)	-5.8	20.9	—	3500	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
POMAS	283014.76N/1300839.09E	KARF4	282721.23N/1294638.60E
KERAJ	282957.09N/1295413.93E		
KENMN	282949.71N/1294833.43E		
ECLIP	282947.08N/1294634.44E		
KA152	282825.05N/1294410.13E		
RW21	282619.79N/1294301.46E		
KA101	282112.20N/1294013.10E		
KA161	282600.04N/1292858.96E		
KA162	283551.31N/1293105.90E		
TUMGI	284357.05N/1295300.74E		



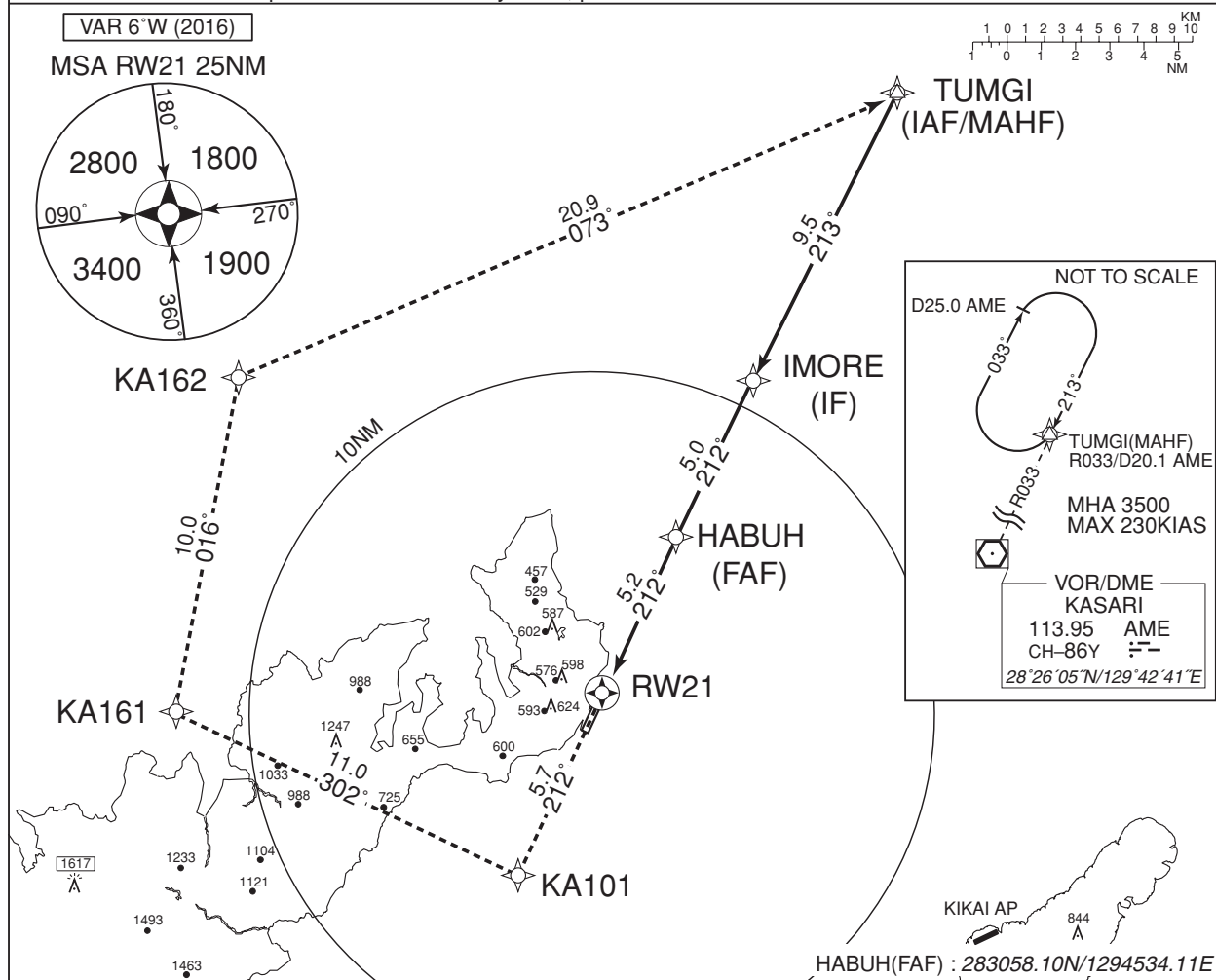
## INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(RNP) X RWY21

KOBE CONTROL 132.3 – 255.2	GNSS required	AMAMI RADIO 118.15 – 126.2	NO RADAR
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For uncompensated Baro-VNAV systems, procedure not authorized below 0°C/ above 45°C



## MISSED APPROACH

Climb to 3500FT, to KA101,  
to KA161, to KA162, to  
TUMGI and hold.  
Contact AMAMI RADIO.



Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 14 AD elev. 14

CAT	RNP 0.14		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	—	—	—	—
B	—	—	—	—
C	325(311)	1600	528(514)	1800
D		1800		2000

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

**RNP AR**  
Special Authorization Required

CHANGE : COM

## INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(RNP) X RWY21

RNAV(RNP) X RWY21Coding Table

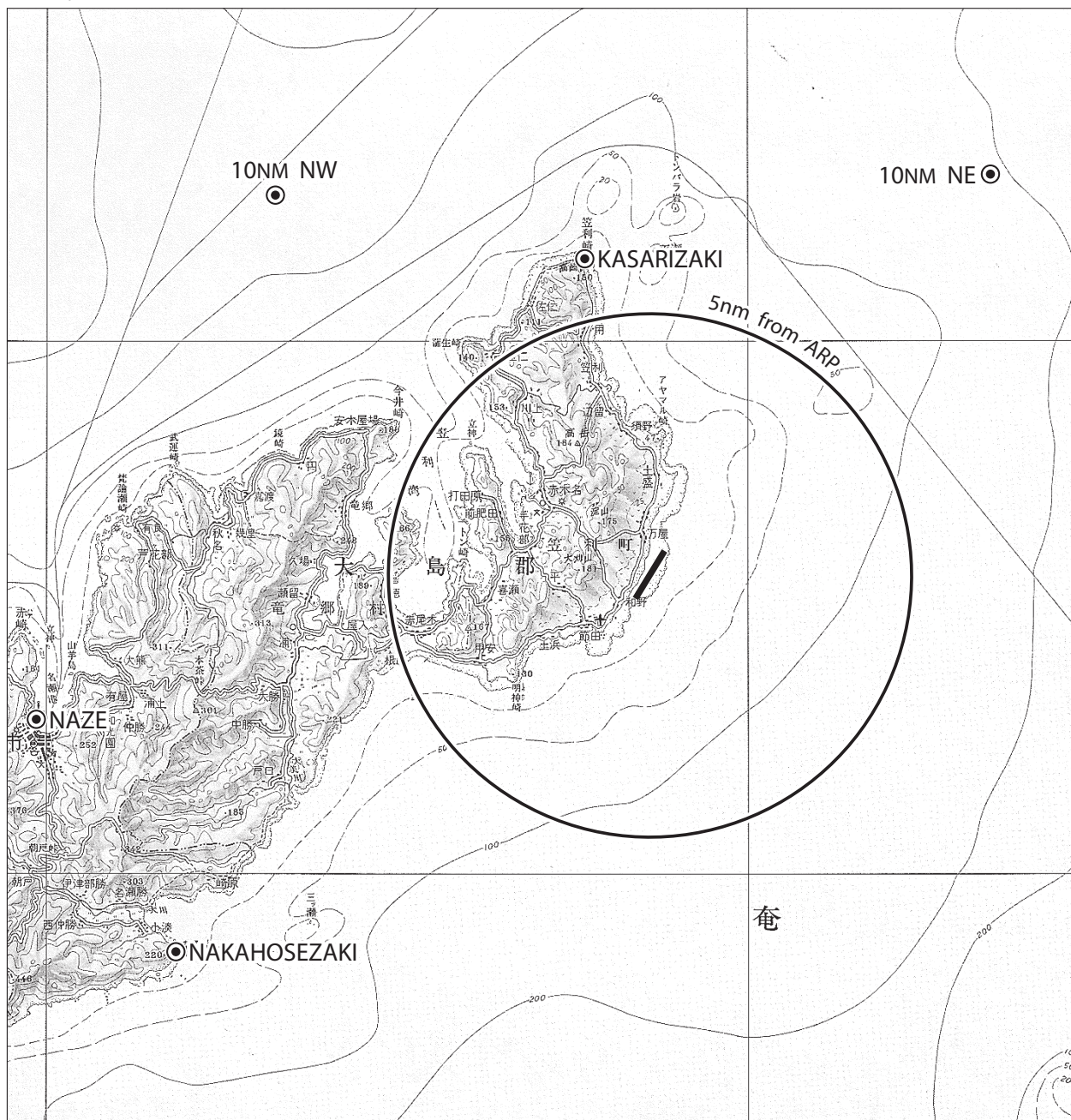
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/RDH (°/FT)	RNP Value
001	IF	TUMGI	—	—	-5.8	—	—	+3500	—	—	—
002	TF	IMORE	—	213 (207.2)	-5.8	9.5	—	—	—	—	1.0
003	TF	HABUH	—	212 (205.8)	-5.8	5.0	—	1700	—	—	1.0
004	TF	RW21	Y	212 (205.7)	-5.8	5.2	—	64	—	-3.00/50	0.14 0.30
005	TF	KA101	—	212 (205.7)	-5.8	5.7	—	—	—	—	1.0
006	TF	KA161	—	302 (295.9)	-5.8	11.0	—	—	—	—	1.0
007	TF	KA162	—	016 (010.7)	-5.8	10.0	—	—	—	—	1.0
008	TF	TUMGI	—	073 (067.1)	-5.8	20.9	—	3500	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates
TUMGI	284357.05N/1295300.74E
IMORE	283528.82N/1294802.84E
HABUH	283058.10N/1294534.11E
RW21	282619.79N/1294301.46E
KA101	282112.20N/1294013.10E
KA161	282600.04N/1292858.96E
KA162	283551.31N/1293105.90E

RJKA / AMAMI

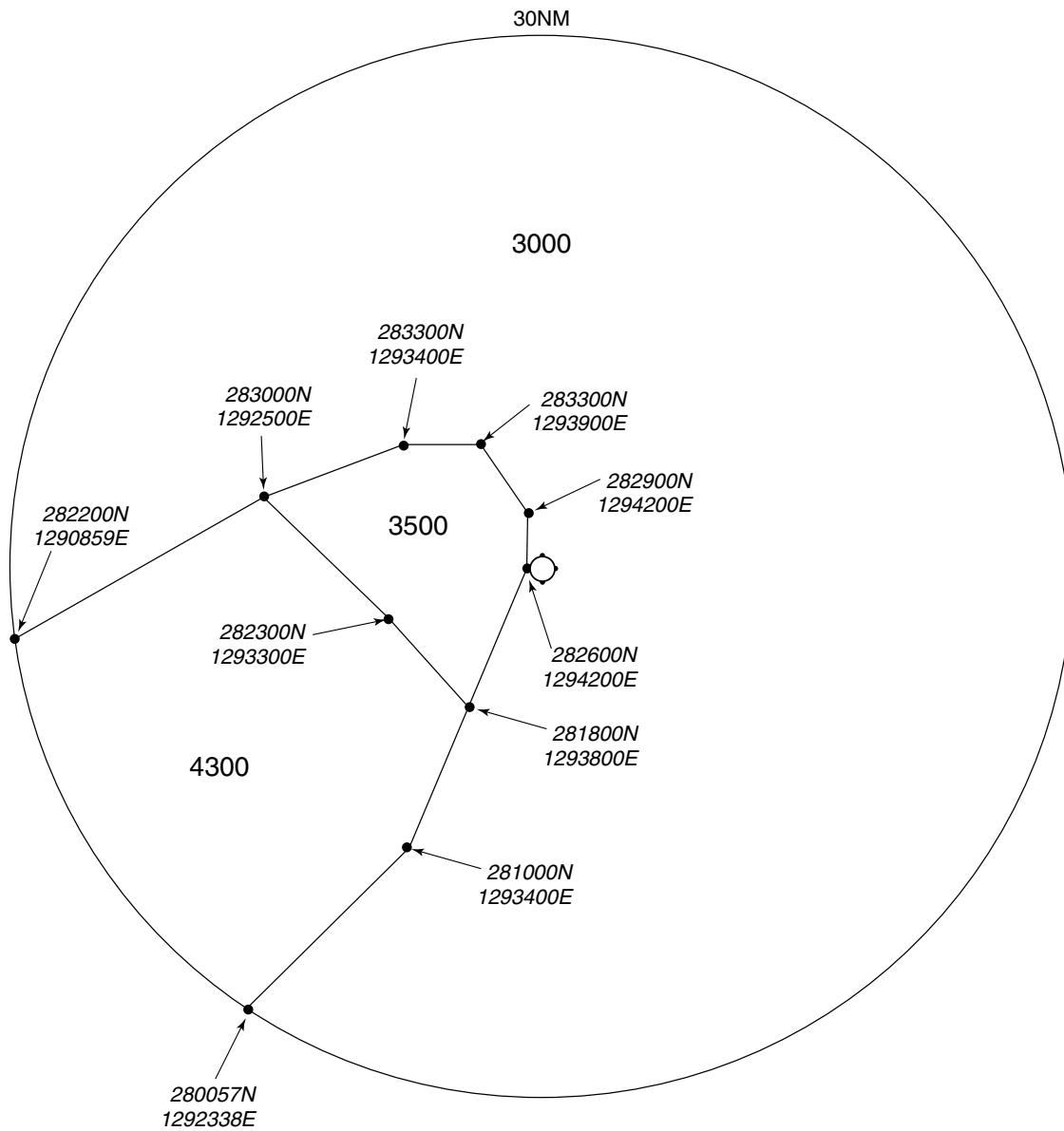
Visual REP



Call sign	BRG / DIST from ARP	Remarks
10NM NE	045°/10.0NM	海上 Over the sea
10NM NW	315°/10.0NM	海上 Over the sea
笠 利 崎 Kasarizaki	354°/ 6.2NM	灯台 Lighthouse
仲 干 瀬 崎 Nakahosezaki	235°/11.3NM	岬 Cape
名 瀬 Naze	262°/11.9NM	港 Harbor

RJKA / AMAMI

Minimum Vectoring Altitude CHART



CENTER : 282551N/1294245E (ARP)