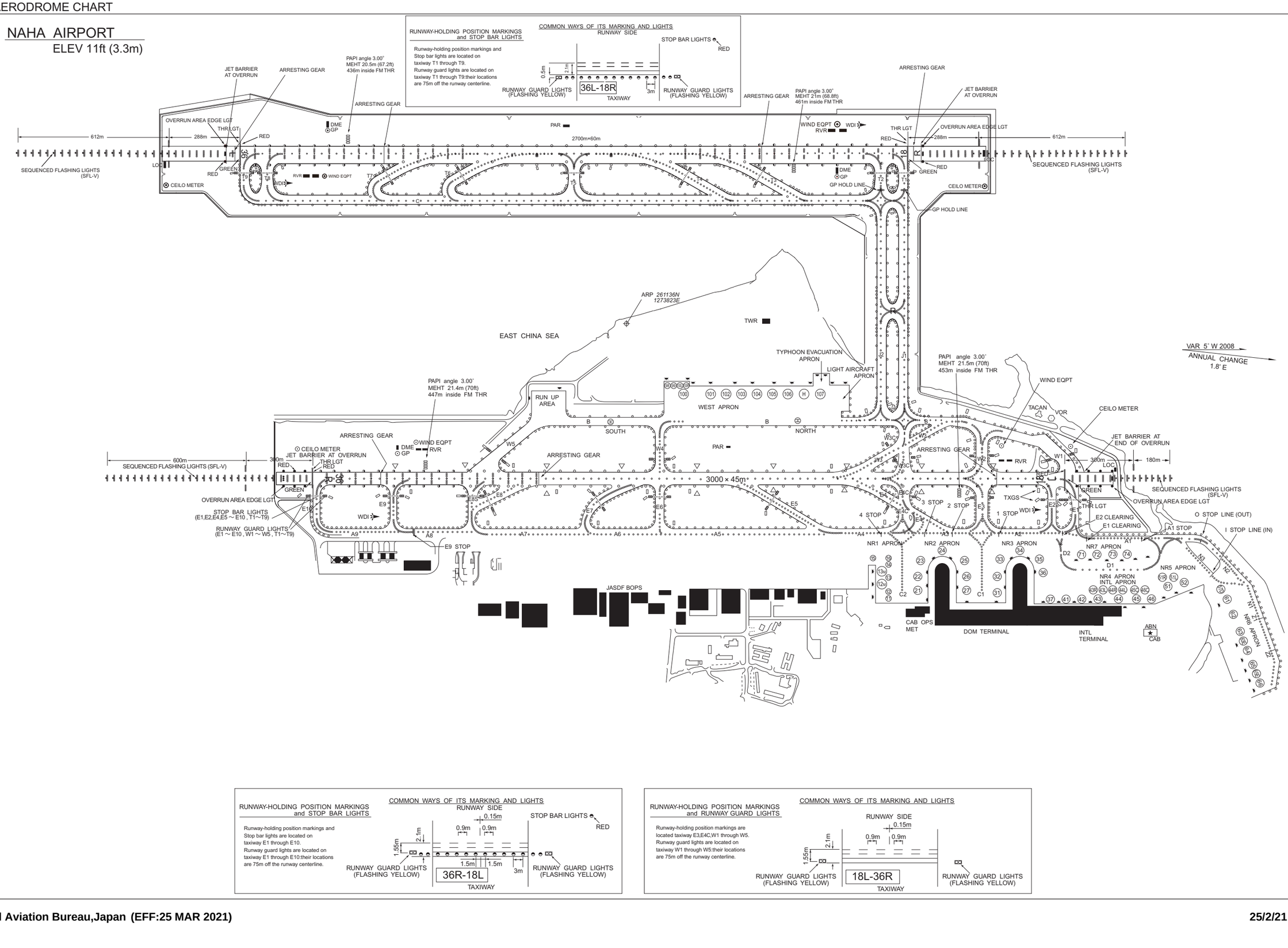
AERODROME CHART

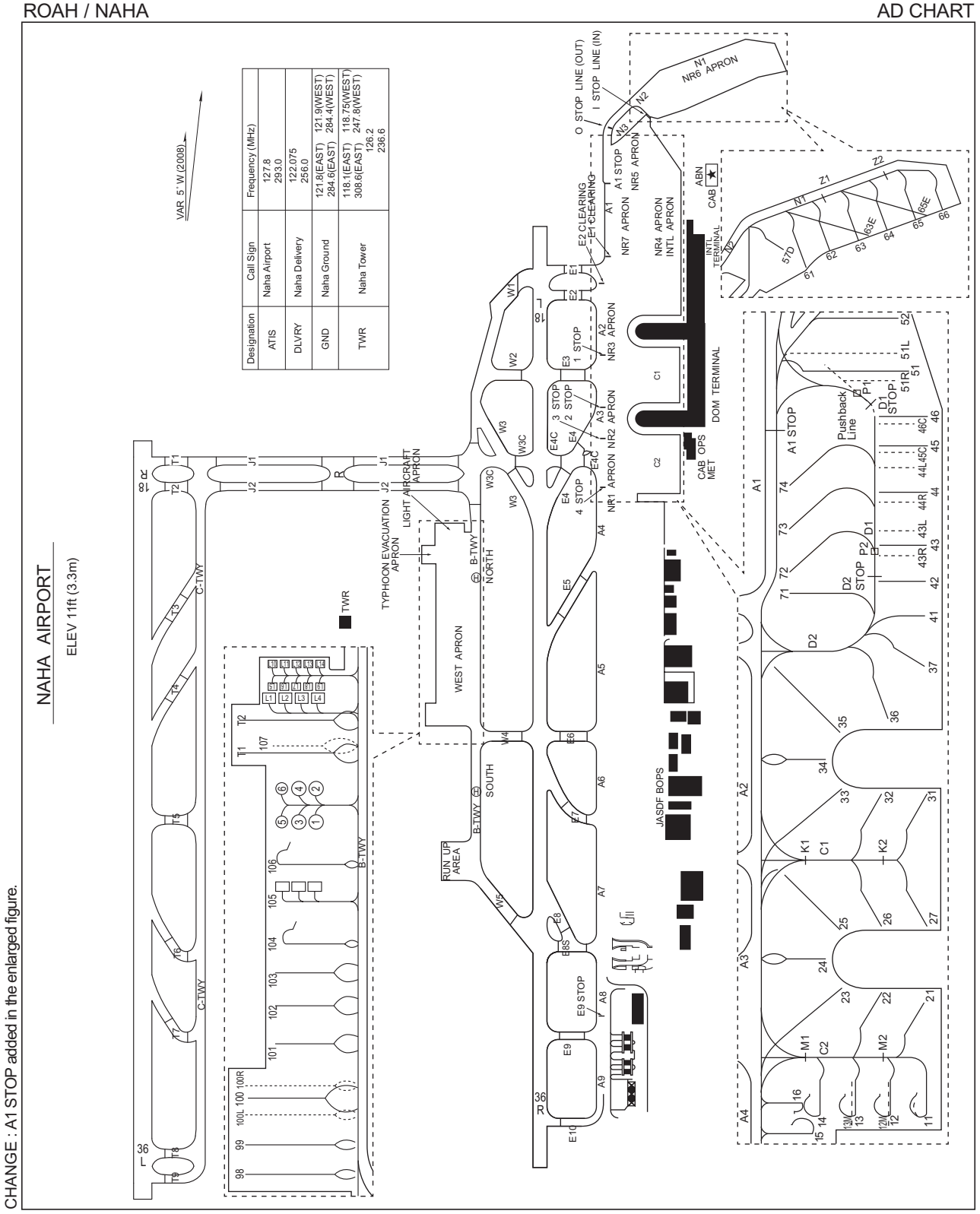
CHANGE : TWY D1, D2 installed. Spot 71-74 installed. Spot 36L, 36R abolished. A1 STOP installed.

NAHA AIRPORT

ELEV 11ft (3.3m)



ROAH / NAHA AD CHART



CHANGE : A1 STOP added in the enlarged figure.

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AERODROME OBSTACLE CHART-ICAO

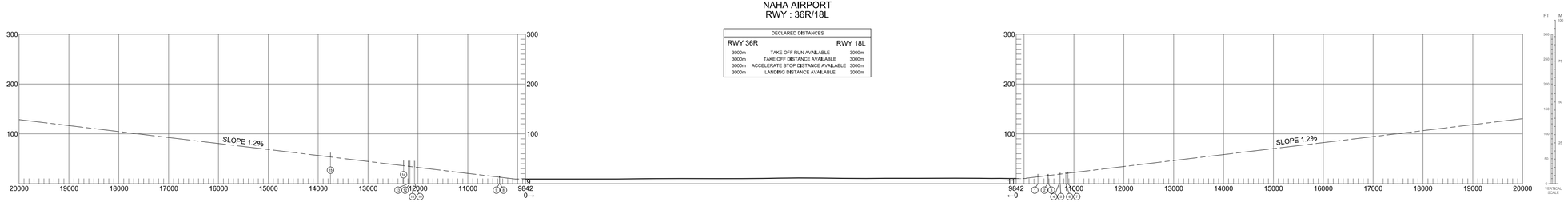
TYPE A (OPERATING LIMITATIONS)

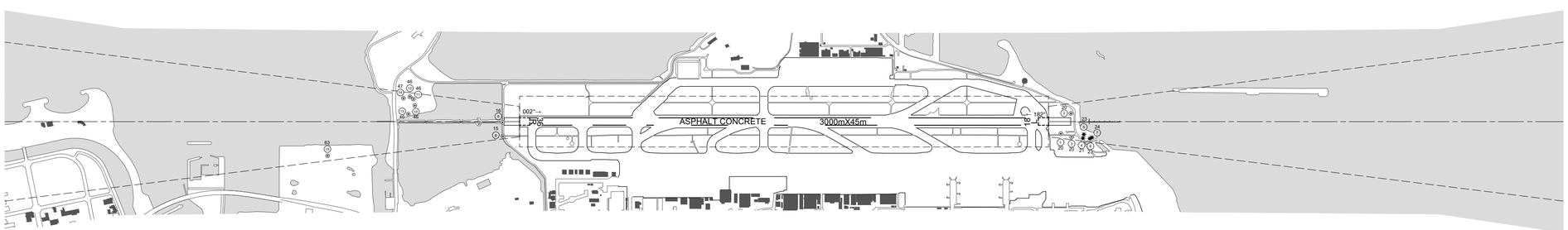
DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 5°25' W-APR 2020

NAHA AIRPORT
RWY : 36R/18L

DECLARED DISTANCES		
RWY 36R		RWY 18L
3000m	TAKE OFF RUN AVAILABLE	3000m
3000m	TAKE OFF DISTANCE AVAILABLE	3000m
3000m	ACCELERATE STOP DISTANCE AVAILABLE	3000m
3000m	LANDING DISTANCE AVAILABLE	3000m





HORIZONTAL SCALE

FEET

METRES

LEGEND

- IDENTIFICATION NUMBER
- POLE, TOWER, SPIRE, ANTENNA, ETC
- AERONAUTICAL GROUND LIGHT
- OBSTRUCTION LIGHT
- BUILDING OR LARGE STRUCTURE
- RAILROAD
- TRIANGULATION POINT
- TRANSMISSION LINE OR OVERHEAD CABLE
- LEVEE
- RIVER
- TREE
- LAKE
- CONTOUR(M)

AMENDMENT RECORD		
Nr	DATE	ENTERED BY

CHANGE : RWY number

AERODROME OBSTACLE CHART-ICAO

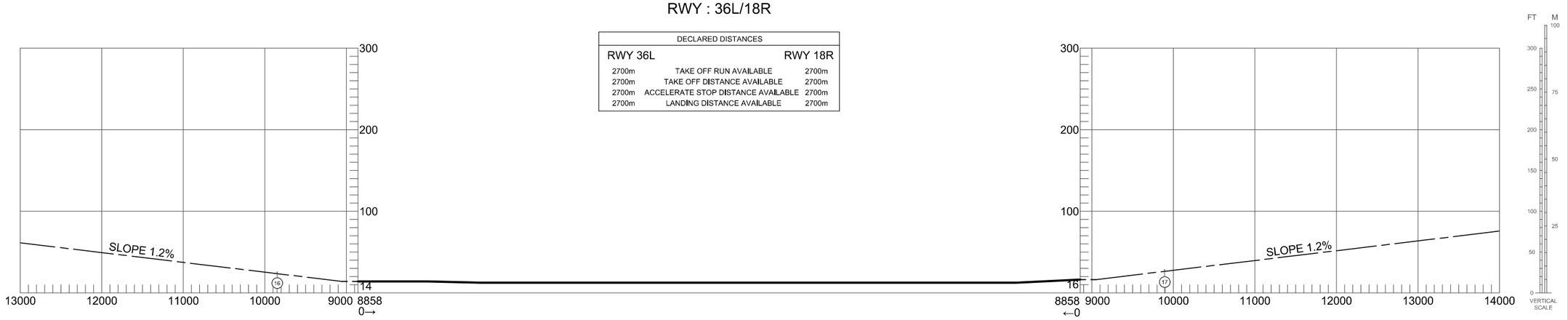
TYPE A (OPERATING LIMITATIONS)

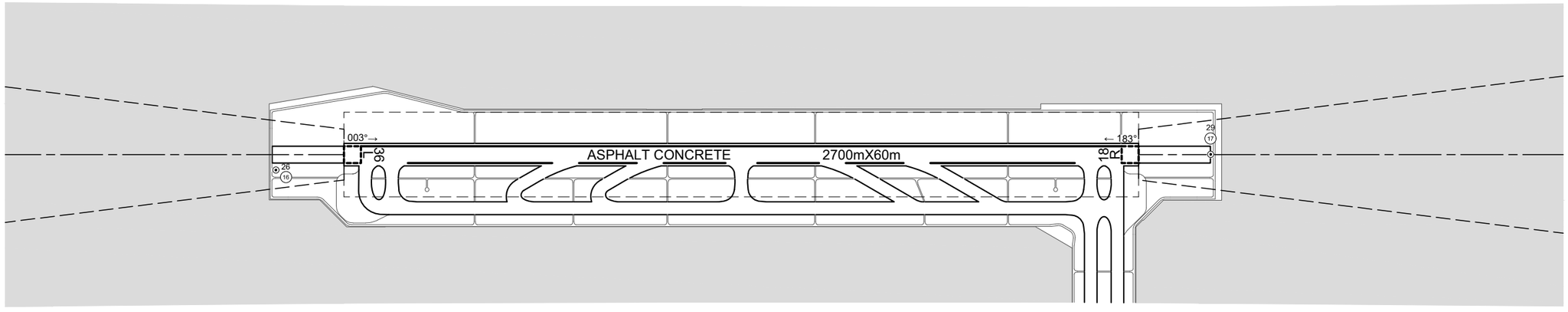
DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 5°25' W-APR 2020

NAHA AIRPORT
RWY : 36L/18R

DECLARED DISTANCES		
RWY 36L		RWY 18R
2700m	TAKE OFF RUN AVAILABLE	2700m
2700m	TAKE OFF DISTANCE AVAILABLE	2700m
2700m	ACCELERATE STOP DISTANCE AVAILABLE	2700m
2700m	LANDING DISTANCE AVAILABLE	2700m





HORIZONTAL SCALE

FEET
1000 500 0 1000 2000 3000 4000 5000 6000 7000 8000ft

METRES
300 0 500 1000 1500 2000 2500m

LEGEND

- IDENTIFICATION NUMBER
- POLE, TOWER, SPIRE, ANTENNA, ETC
- AERONAUTICAL GROUND LIGHT
- OBSTRUCTION LIGHT
- BUILDING OR LARGE STRUCTURE
- RAILROAD
- TRIANGULATION POINT
- TRANSMISSION LINE OR OVERHEAD CABLE
- LEVEE
- TREE
- LAKE
- RIVER
- CONTOURS(ft)

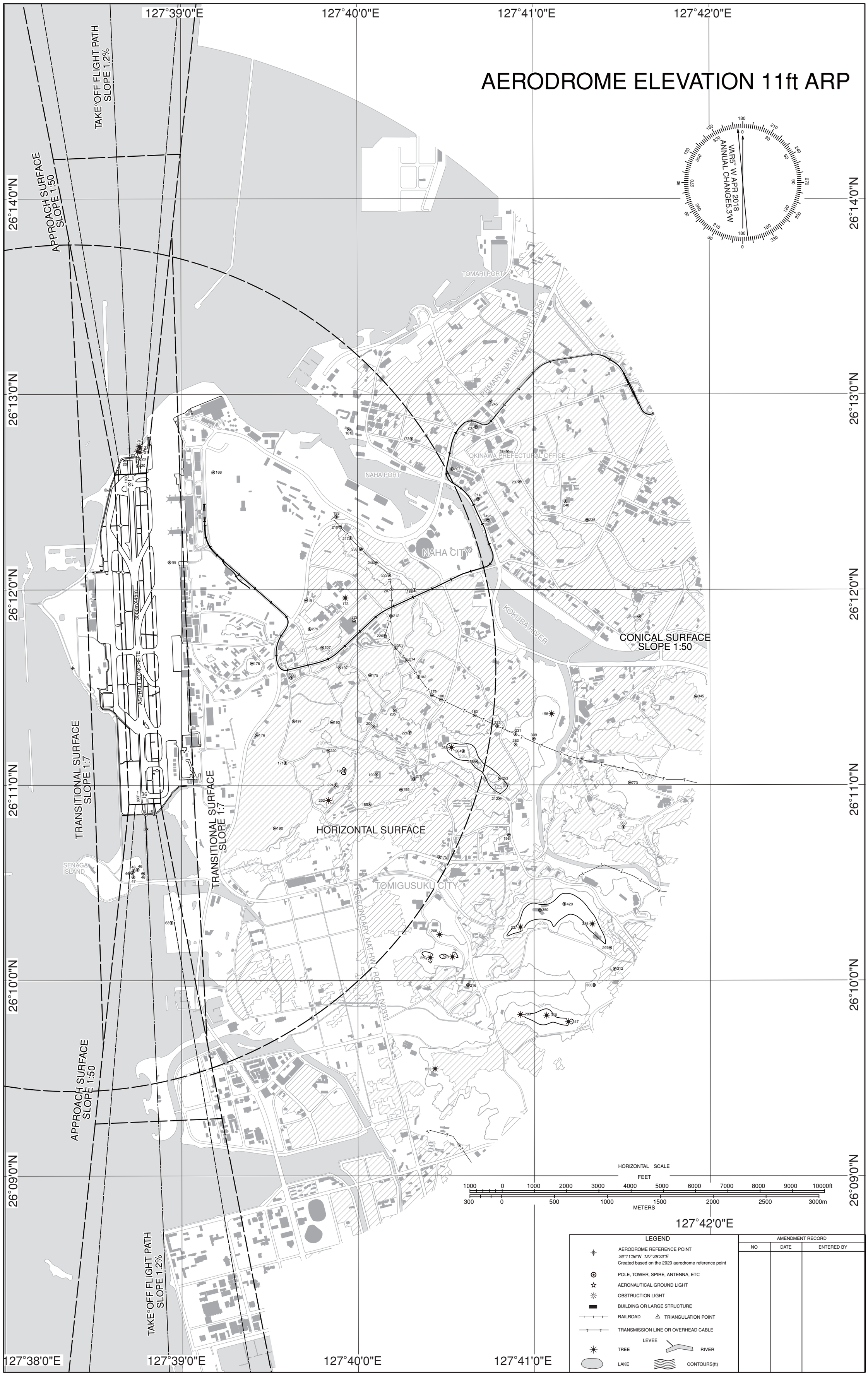
AMENDMENT RECORD		
Nr	DATE	ENTERED BY

CHANGE : Newly established

AERODROME OBSTACLE CHART - ICAO

TYPE B (OPERATIONG LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/ NAHA SID

NAHA NORTH FOUR DEPARTURE

RWY18L/18R: (Not established)
RWY36R : Climb RWY HDG to NHC 2.4DME,...
RWY36L : Climb RWY HDG to 500FT,...
...turn left, via NHC R341 to EISAR.

Note RWY36R/36L: 5.0% climb gradient required up to 500FT.

SCUBA TRANSITION

From over EISAR, via NHC R341 to 24.1DME, turn right to intercept NHC R344 to SCUBA.
Cross SCUBA at or above 4000FT.

LAVON ONE DEPARTURE

RWY18L : Climb RWY HDG to NHC 4.7DME, turn right, via NHC R196...
RWY18R : Climb RWY HDG to 600FT, turn right, via NHC R211...
... to intercept and proceed via NHC 15.0DME clockwise ARC to LAVON.

RWY36R : Climb RWY HDG to NHC 2.4DME, turn left, via NHC R341...
RWY36L : Climb RWY HDG to 500FT, turn left, via NHC R308...
...to intercept and proceed via NHC 15.0DME counterclockwise ARC to LAVON.

Note RWY36R/36L: 5.0% climb gradient required up to 500FT.

OLVAL ONE DEPARTURE

RWY18L : Climb RWY HDG to NHC 4.7DME, turn right, via NHC R196...
RWY18R : Climb RWY HDG to 600FT, turn right, via NHC R211...
... to intercept and proceed via NHC 15.0DME clockwise ARC to OLVAL.

RWY36R : Climb RWY HDG to NHC 2.4DME, turn left, via NHC R341...
RWY36L : Climb RWY HDG to 500FT, turn left, via NHC R308...
...to intercept and proceed via NHC 15.0DME counterclockwise ARC to OLVAL.

Note RWY36R/36L: 5.0% climb gradient required up to 500FT.

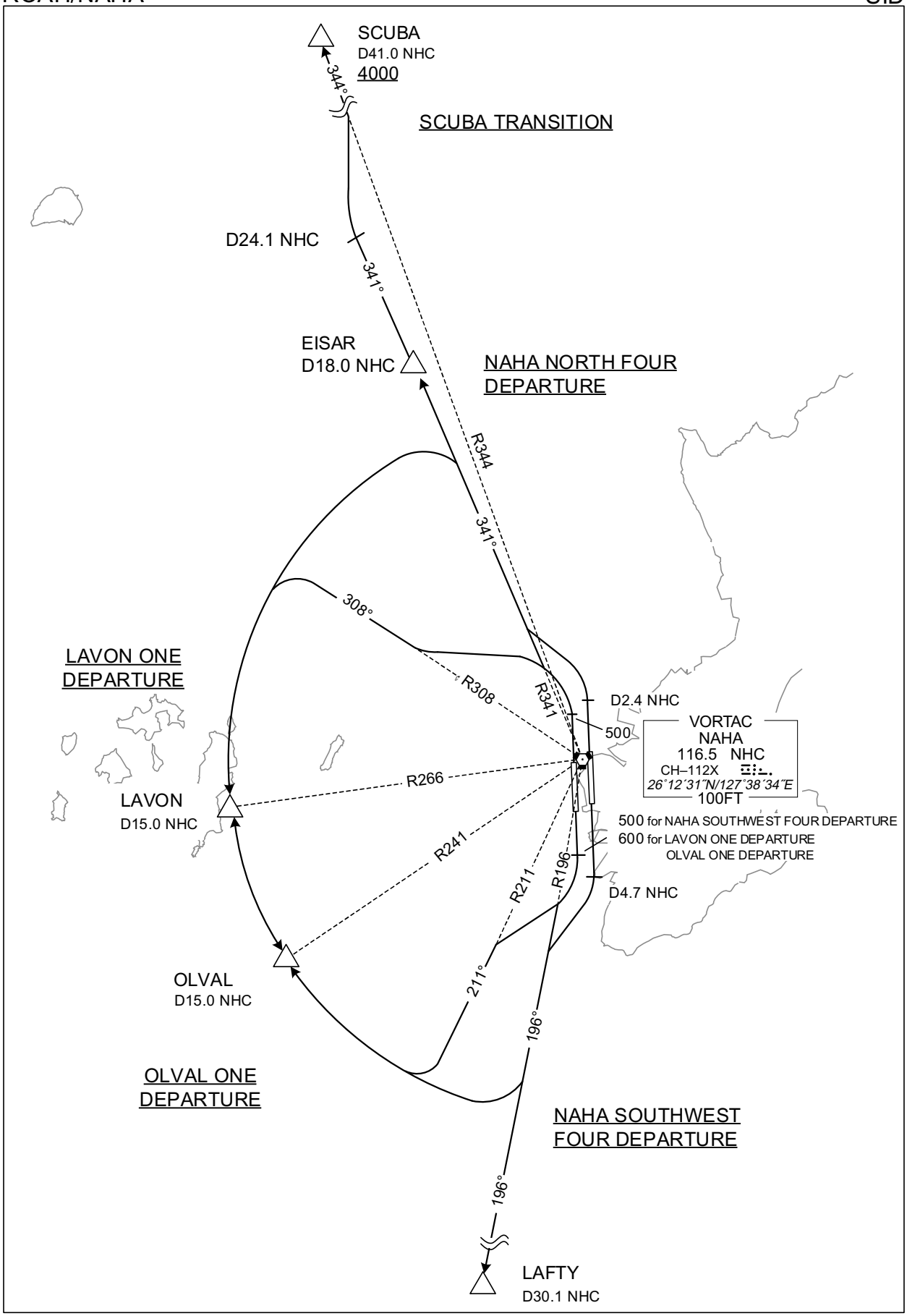
NAHA SOUTHWEST FOUR DEPARTURE

RWY18L : Climb RWY HDG to NHC 4.7DME,...
RWY18R : Climb RWY HDG to 500FT,...
... turn right, via NHC R196 to LAFTY.
RWY36R/36L: (Not established)

CHANGE:New PROC

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA SID

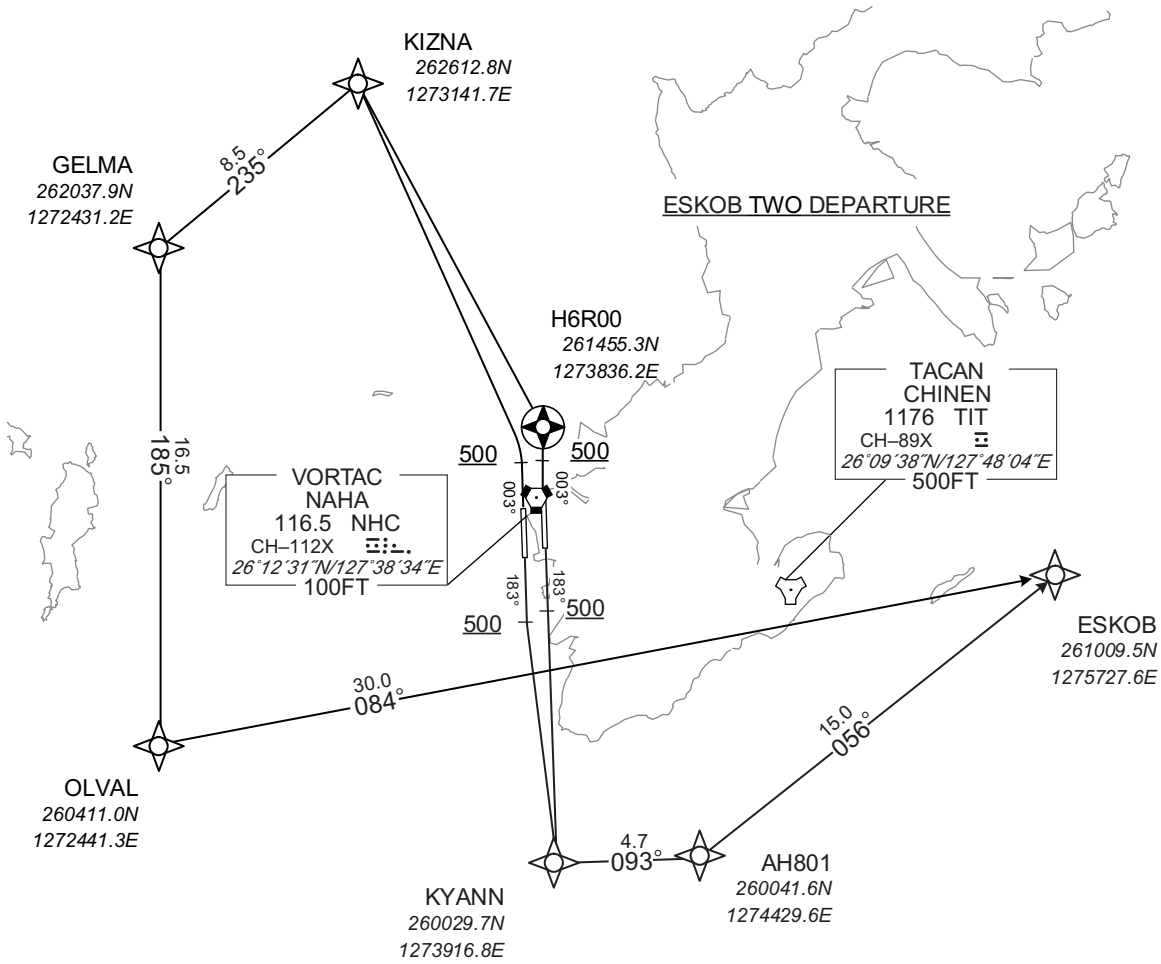


STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA — RNAV SID

ESKOB TWO DEPARTURE			RNAV1
Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required.		Critical DME	RWY36R /36L NHC :23.6NM to ESKOB - 8.1NM to ESKOB TIT :23.6NM to ESKOB - 8.1NM to ESKOB
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.	DME GAP	RWY18L /18R : DER - ESKOB RWY36R /36L : DER - 23.6NM to ESKOB 8.1NM to ESKOB - ESKOB

VAR 6°W (2021)



ESKOB TWO DEPARTURE

RWY18L : Climb on HDG183° at or above 500FT, direct to KYANN, to AH801, to ESKOB.

RWY18R : Climb on HDG183° at or above 500FT, direct to KYANN, to AH801, to ESKOB.

RWY36R : Climb on HDG003° at or above 500FT, direct to H6R00, turn left direct to KIZNA, to GELMA, to OLVAL, to ESKOB.

RWY36L : Climb on HDG003° at or above 500FT, turn left direct to KIZNA, to GELMA, to OLVAL, to ESKOB.

NOTE RWY36R/36L : 5.0% climb gradient required up tp 500FT.

CHANGE: VAR. PROC renamed. PROC for RWY36R/36L established. Critical DME, DME GAP added(RWY36R/36L). NOTE added.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA RNAV SID

ESKOB TWO DEPARTURE

RWY18L

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	-	-	183 (177.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	KYANN	-	-	-5.6	-	-	-	-	-	RNAV1
003	TF	AH801	-	093 (087.6)	-5.6	4.7	-	-	-	-	RNAV1
004	TF	ESKOB	-	056 (050.9)	-5.6	15.0	-	-	-	-	RNAV1

RWY18R

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	-	-	183 (177.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	KYANN	-	-	-5.6	-	-	-	-	-	RNAV1
003	TF	AH801	-	093 (087.6)	-5.6	4.7	-	-	-	-	RNAV1
004	TF	ESKOB	-	056 (050.9)	-5.6	15.0	-	-	-	-	RNAV1

RWY36R

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	-	-	003 (357.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	H6R00	Y	-	-5.6	-	-	-	-	-	RNAV1
003	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNAV1
004	TF	GELMA	-	235 (229.0)	-5.6	8.5	-	-	-	-	RNAV1
005	TF	OLVAL	-	185 (179.5)	-5.6	16.5	-	-	-	-	RNAV1
006	TF	ESKOB	-	084 (078.4)	-5.6	30.0	-	-	-	-	RNAV1

RWY36L

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	-	-	003 (357.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNAV1
003	TF	GELMA	-	235 (229.0)	-5.6	8.5	-	-	-	-	RNAV1
004	TF	OLVAL	-	185 (179.5)	-5.6	16.5	-	-	-	-	RNAV1
005	TF	ESKOB	-	084 (078.4)	-5.6	30.0	-	-	-	-	RNAV1

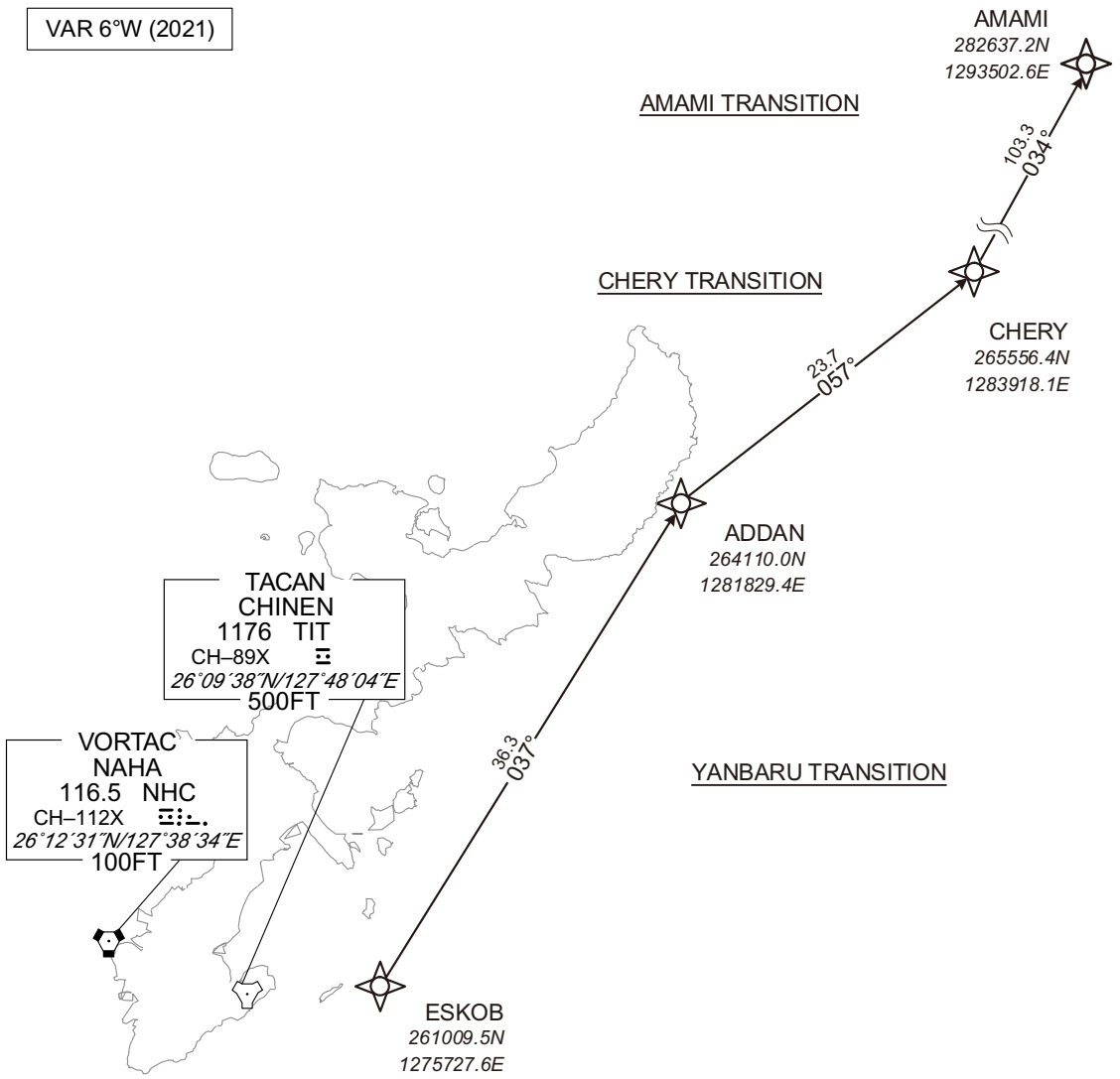
CHANGE: VAR. PROC renamed. PROC for RWY36R/36L established.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA

RNAV TRANSITION

AMAMI TRANSITION / CHERY TRANSITION / YANBARU TRANSITION			RNAV1
Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.		DME GAP	AMAMI TRANSITION : ESKOB - AMAMI CHERY TRANSITION : ESKOB - CHERY YANBARU TRANSITION : ESKOB - ADDAN
Critical DME	–	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.



CHANGE: VAR.

AMAMI TRANSITION

From ESKOB, to ADDAN, to CHERY, to AMAMI.

CHERY TRANSITION

From ESKOB, to ADDAN, to CHERY.

YANBARU TRANSITION

From ESKOB, to ADDAN.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA

RNAV TRANSITION

AMAMI 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	ESKOB	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	ADDAN	-	037 (031.2)	-5.6	36.3	-	-	-	-	RNAV1
003	TF	CHERY	-	057 (051.4)	-5.6	23.7	-	-	-	-	RNAV1
004	TF	AMAMI	-	034 (028.3)	-5.6	103.3	-	-	-	-	RNAV1

CHERY 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	ESKOB	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	ADDAN	-	037 (031.2)	-5.6	36.3	-	-	-	-	RNAV1
003	TF	CHERY	-	057 (051.4)	-5.6	23.7	-	-	-	-	RNAV1

YANBARU 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	ESKOB	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	ADDAN	-	037 (031.2)	-5.6	36.3	-	-	-	-	RNAV1

CHANGE: VAR.

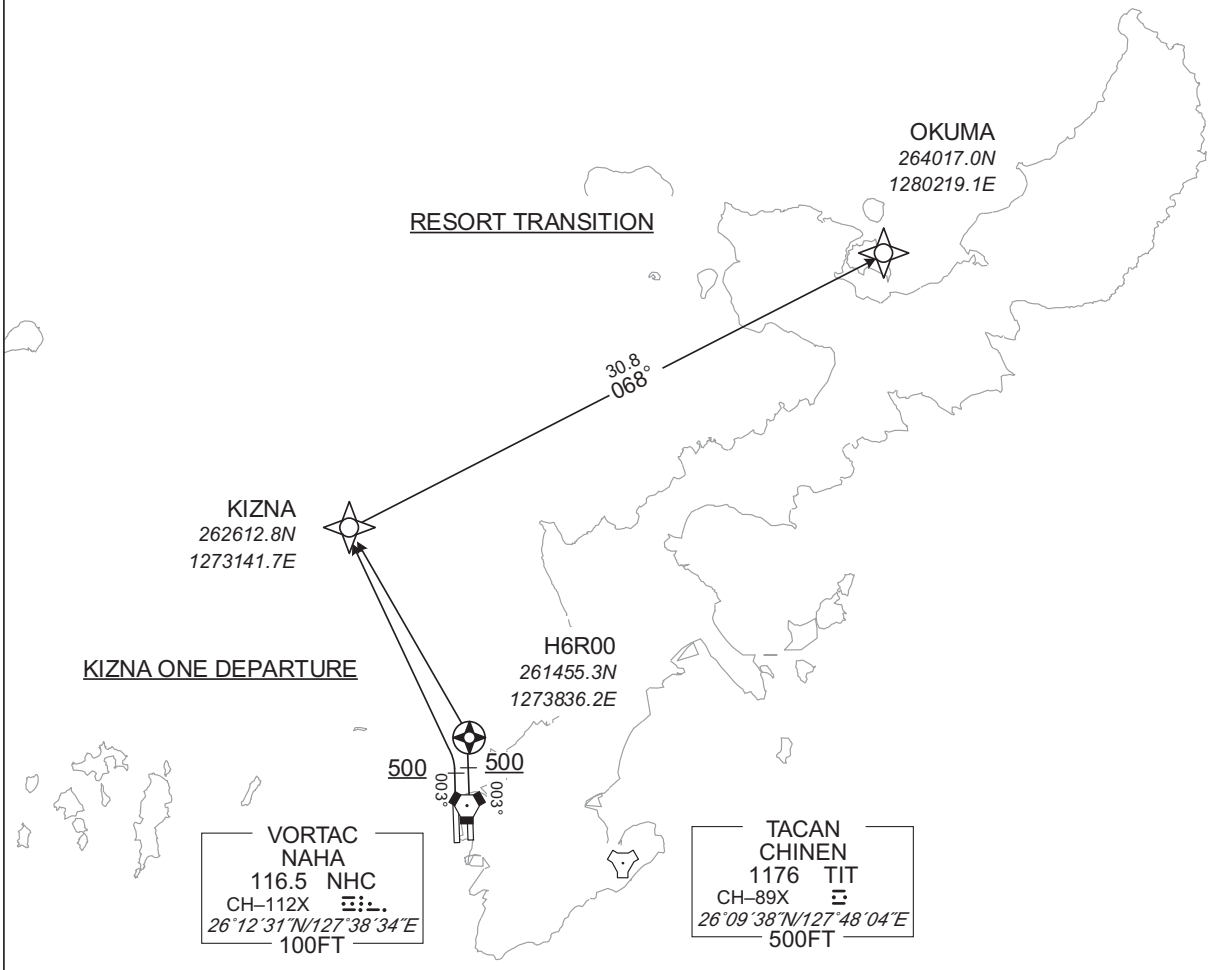
STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA

RNAV SID and TRANSITION

KIZNA ONE DEPARTURE RESORT TRANSITION			RNAV1
Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required.		DME GAP	RWY36R : DER − KIZNA RWY36L : DER − KIZNA RESORT TRANSITION : KIZNA − OKUMA
Critical DME	−	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

VAR 6°W (2021)



KIZNA ONE DEPARTURE

RWY18L/18R: (Not established)
RWY36R : Climb on HDG003° at or above 500FT, direct to H6R00, turn left direct to KIZNA .
RWY36L : Climb on HDG003° at or above 500FT, turn left direct to KIZNA .

NOTE RWY36R/36L: 5.0% climb gradient required up to 500FT.

RESORT TRANSITION

From KIZNA, to OKUMA.

CHANGE: VAR.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA RNAV SID and TRANSITION

KIZNA ONE DEPARTURE

RWY36R

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	-	-	003 (357.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	H6R00	Y	-	-5.6	-	-	-	-	-	RNAV1
003	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNAV1

RWY36L

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	-	-	003 (357.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNAV1

RESORT TRANSITION

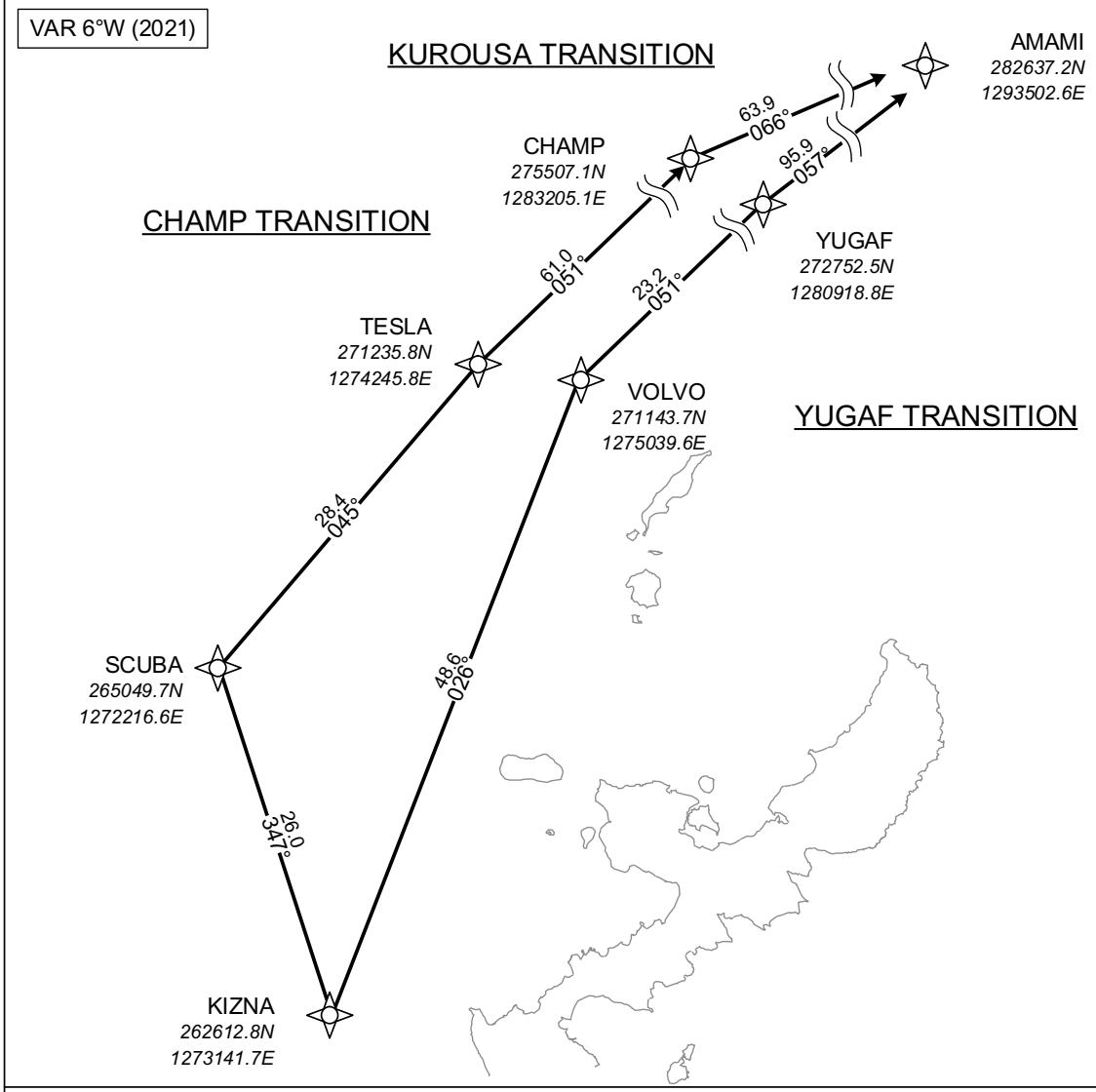
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	KIZNA	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	OKUMA	-	068 (062.7)	-5.6	30.8	-	-	-	-	RNAV1

CHANGE: VAR.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA — RNAV TRANSITION

KUROUSA TRANSITION CHAMP TRANSITION YUGAF TRANSITION			RNAV1
Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.		DME GAP	KUROUSA TRANSITION: KIZNA – SCUBA 40.0NM to AMAMI – AMAMI CHAMP TRANSITION : KIZNA – SCUBA YUGAF TRANSITION : KIZNA – 30.0NM to VOLVO 80.0NM to AMAMI – AMAMI
Critical DME	–	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.



CHANGE: VAR.

KUROUSA TRANSITION
From KIZNA, to SCUBA, to TESLA, to CHAMP, to AMAMI.

CHAMP TRANSITION
From KIZNA, to SCUBA, to TESLA, to CHAMP.

YUGAF TRANSITION
From KIZNA, to VOLVO, to YUGAF, to AMAMI.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA RNAV TRANSITION

KUROUSA 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	KIZNA	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	SCUBA	-	347 (341.2)	-5.6	26.0	-	-	-	-	RNAV1
003	TF	TESLA	-	045 (039.9)	-5.6	28.4	-	-	-	-	RNAV1
004	TF	CHAMP	-	051 (045.6)	-5.6	61.0	-	-	-	-	RNAV1
005	TF	AMAMI	-	066 (060.2)	-5.6	63.9	-	-	-	-	RNAV1

CHAMP 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	KIZNA	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	SCUBA	-	347 (341.2)	-5.6	26.0	-	-	-	-	RNAV1
003	TF	TESLA	-	045 (039.9)	-5.6	28.4	-	-	-	-	RNAV1
004	TF	CHAMP	-	051 (045.6)	-5.6	61.0	-	-	-	-	RNAV1

YUGAF 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	KIZNA	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	VOLVO	-	026 (020.3)	-5.6	48.6	-	-	-	-	RNAV1
003	TF	YUGAF	-	051 (045.7)	-5.6	23.2	-	-	-	-	RNAV1
004	TF	AMAMI	-	057 (051.9)	-5.6	95.9	-	-	-	-	RNAV1

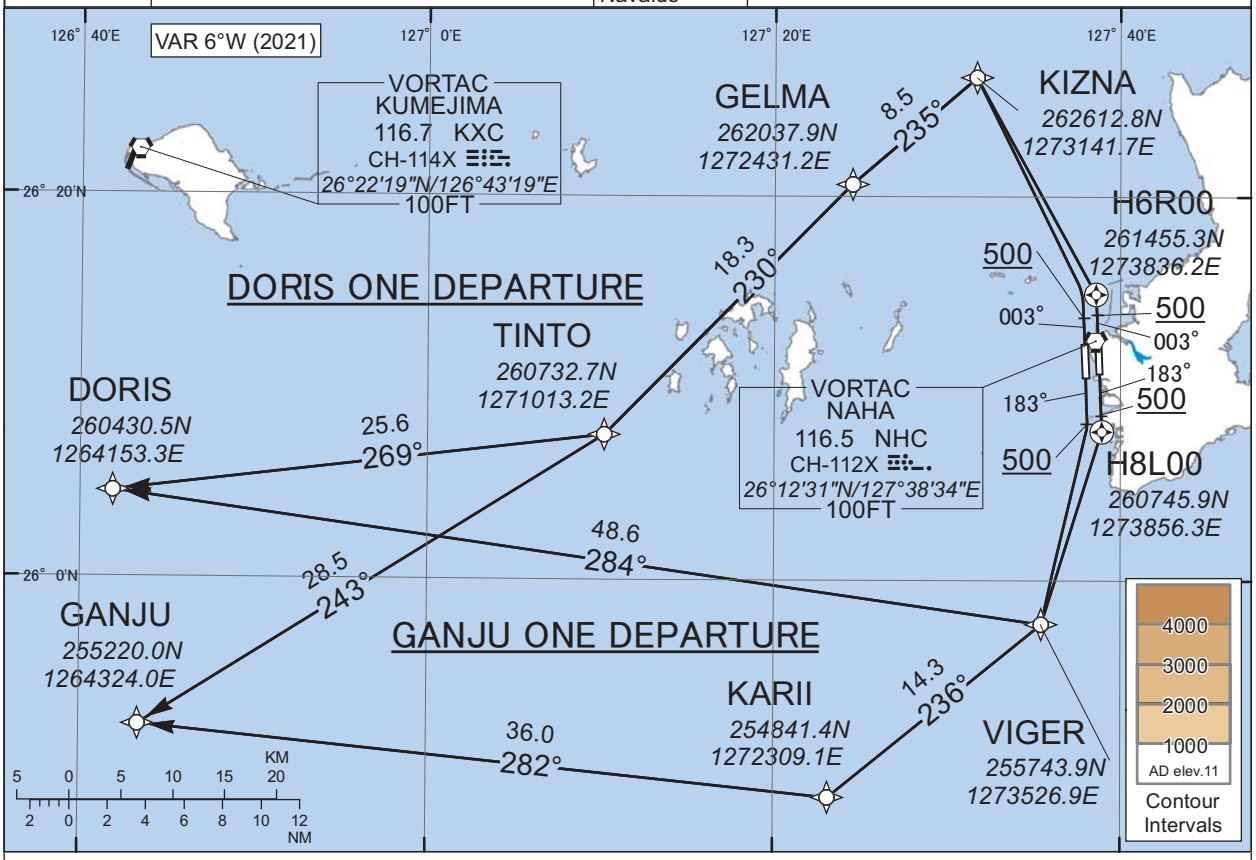
CHANGE: VAR.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH / NAHA — RNAV SID

DORIS ONE DEPARTURE / GANJU ONE DEPARTURE — RNAV1

Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required.		Critical DME	DORIS ONE DEPARTURE RWY18L/18R KXC : 18.5NM to DORIS - DORIS RWY36R/36L KXC : 19.8NM to DORIS - DORIS GANJU ONE DEPARTURE RWY18L/18R KXC : 17.0NM to GANJU - GANJU RWY36R/36L KXC : 25.7NM to GANJU - GANJU
DME GAP	DORIS ONE DEPARTURE RWY18L/18R : DER - 18.5NM to DORIS RWY36R/36L : DER - 19.8NM to DORIS GANJU ONE DEPARTURE RWY18L/18R : DER - 17.0NM to GANJU RWY36R/36L : DER - 25.7NM to GANJU	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



DORIS ONE DEPARTURE

RWY18L : Climb on HDG183° at or above 500FT, direct to H8L00, turn right direct to VIGER, to DORIS.
RWY18R : Climb on HDG183° at or above 500FT, turn right direct to VIGER, to DORIS.
RWY36R : Climb on HDG003° at or above 500FT, direct to H6R00, turn left direct to KIZNA, to GELMA, to TINTO, to DORIS.
RWY36L : Climb on HDG003° at or above 500FT, turn left direct to KIZNA, to GELMA, to TINTO, to DORIS.

Note RWY36R/36L : 5.0% climb gradient required up to 500FT.

GANJU ONE DEPARTURE

RWY18L : Climb on HDG183° at or above 500FT, direct to H8L00, turn right direct to VIGER, to KARII, to GANJU.
RWY18R : Climb on HDG183° at or above 500FT, turn right direct to VIGER, to KARII, to GANJU.
RWY36R : Climb on HDG003° at or above 500FT, direct to H6R00, turn left direct to KIZNA, to GELMA, to TINTO, to GANJU.
RWY36L : Climb on HDG003° at or above 500FT, turn left direct to KIZNA, to GELMA, to TINTO, to GANJU.

Note RWY36R/36L : 5.0% climb gradient required up to 500FT.

CHANGE : New PROC.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH / NAHA RNAV SID

DORIS ONE DEPARTURE

RWY18L

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	-	-	183 (177.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	H8L00	Y	-	-5.6	-	-	-	-	-	RNAV1
003	DF	VIGER	-	-	-5.6	-	R	-	-	-	RNAV1
004	TF	DORIS	-	284 (278.2)	-5.6	48.6	-	-	-	-	RNAV1

RWY18R

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	-	-	183 (177.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	VIGER	-	-	-5.6	-	R	-	-	-	RNAV1
003	TF	DORIS	-	284 (278.2)	-5.6	48.6	-	-	-	-	RNAV1

CHANGE : New PROC.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH / NAHA RNAV SID

DORIS ONE DEPARTURE

RWY36R

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	-	-	003 (357.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	H6R00	Y	-	-5.6	-	-	-	-	-	RNAV1
003	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNAV1
004	TF	GELMA	-	235 (229.0)	-5.6	8.5	-	-	-	-	RNAV1
005	TF	TINTO	-	230 (224.5)	-5.6	18.3	-	-	-	-	RNAV1
006	TF	DORIS	-	269 (263.3)	-5.6	25.6	-	-	-	-	RNAV1

RWY36L

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	-	-	003 (357.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNAV1
003	TF	GELMA	-	235 (229.0)	-5.6	8.5	-	-	-	-	RNAV1
004	TF	TINTO	-	230 (224.5)	-5.6	18.3	-	-	-	-	RNAV1
005	TF	DORIS	-	269 (263.3)	-5.6	25.6	-	-	-	-	RNAV1

CHANGE : New PROC.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH / NAHA RNAV SID

GANJU ONE DEPARTURE

RWY18L

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	-	-	183 (177.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	H8L00	Y	-	-5.6	-	-	-	-	-	RNAV1
003	DF	VIGER	-	-	-5.6	-	R	-	-	-	RNAV1
004	TF	KARII	-	236 (230.8)	-5.6	14.3	-	-	-	-	RNAV1
005	TF	GANJU	-	282 (276.0)	-5.6	36.0	-	-	-	-	RNAV1

RWY18R

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	-	-	183 (177.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	VIGER	-	-	-5.6	-	R	-	-	-	RNAV1
003	TF	KARII	-	236 (230.8)	-5.6	14.3	-	-	-	-	RNAV1
004	TF	GANJU	-	282 (276.0)	-5.6	36.0	-	-	-	-	RNAV1

CHANGE : New PROC.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH / NAHA RNAV SID

GANJU ONE DEPARTURE

RWY36R

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	-	-	003 (357.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	H6R00	Y	-	-5.6	-	-	-	-	-	RNAV1
003	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNAV1
004	TF	GELMA	-	235 (229.0)	-5.6	8.5	-	-	-	-	RNAV1
005	TF	TINTO	-	230 (224.5)	-5.6	18.3	-	-	-	-	RNAV1
006	TF	GANJU	-	243 (237.8)	-5.6	28.5	-	-	-	-	RNAV1

RWY36L

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	-	-	003 (357.6)	-5.6	-	-	+500	-	-	RNAV1
002	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNAV1
003	TF	GELMA	-	235 (229.0)	-5.6	8.5	-	-	-	-	RNAV1
004	TF	TINTO	-	230 (224.5)	-5.6	18.3	-	-	-	-	RNAV1
005	TF	GANJU	-	243 (237.8)	-5.6	28.5	-	-	-	-	RNAV1

CHANGE : New PROC.

STANDARD ARRIVAL CHART-INSTRUMENT

ROAH/NAHA STAR

SCUBA ARRIVAL

From over SCUBA, via NHC R344 to 28.1 DME, turn right to intercept and proceed via NHC R341 to EISAR.
Cross NHC R344/28.1DME at or above 3000FT, cross EISAR at or above 2000FT.

LAVON ARRIVAL

From over LAVON, via NHC 15.0DME counterclockwise ARC to VIGER.
Cross VIGER at or above 2000FT.

(When using NHC TACAN only)
From over LAVON at or above 5000FT, via NHC 15.0DME counterclockwise ARC to VIGER.
Cross VIGER at or above 4400FT.

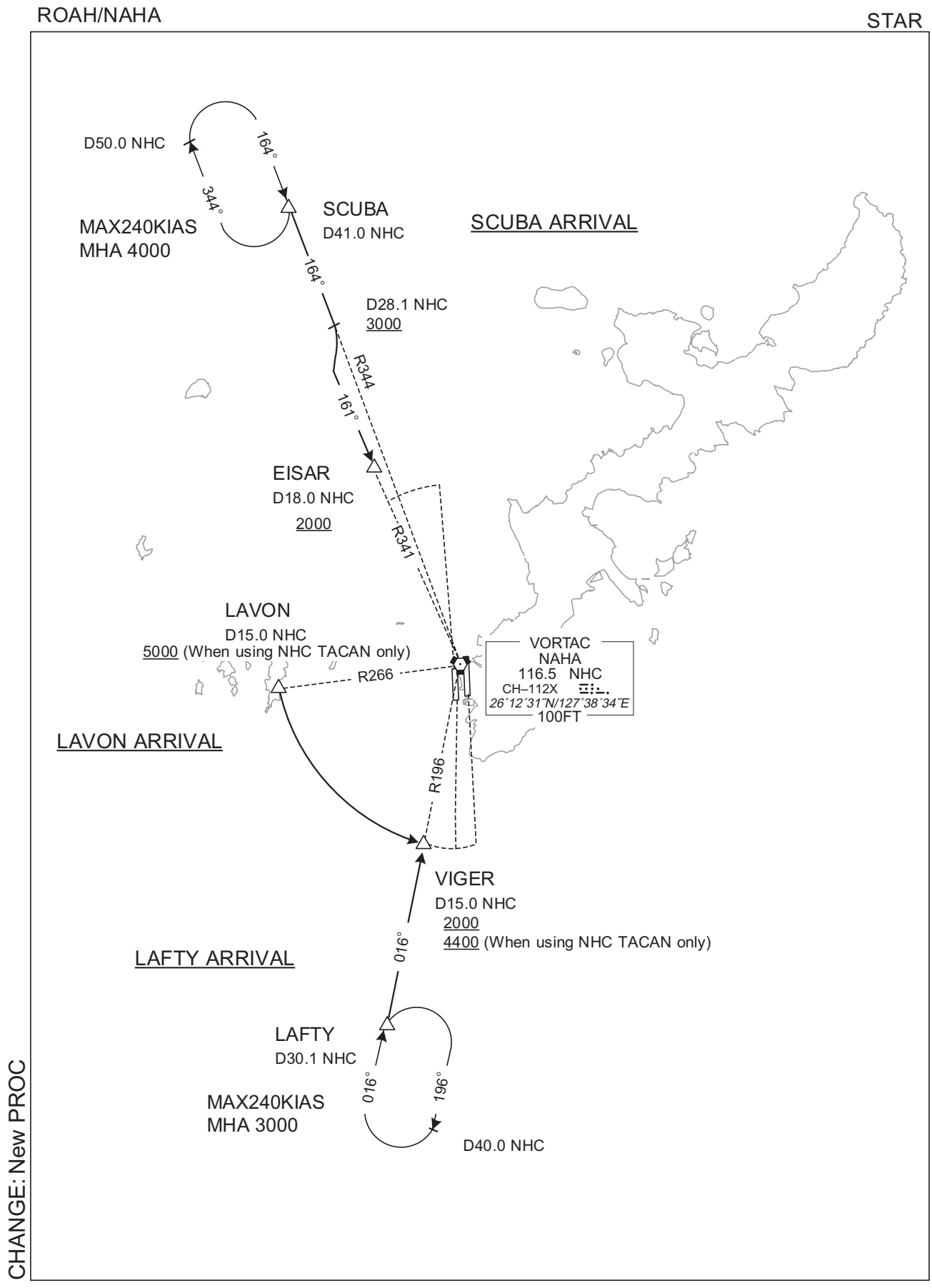
LAFTY ARRIVAL

From over LAFTY, via NHC R196 to VIGER.
Cross VIGER at or above 2000FT.

(When using NHC TACAN only)
From over LAFTY, via NHC R196 to VIGER.
Cross VIGER at or above 4400FT.

CHANGE: New PROC

STANDARD ARRIVAL CHART-INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT

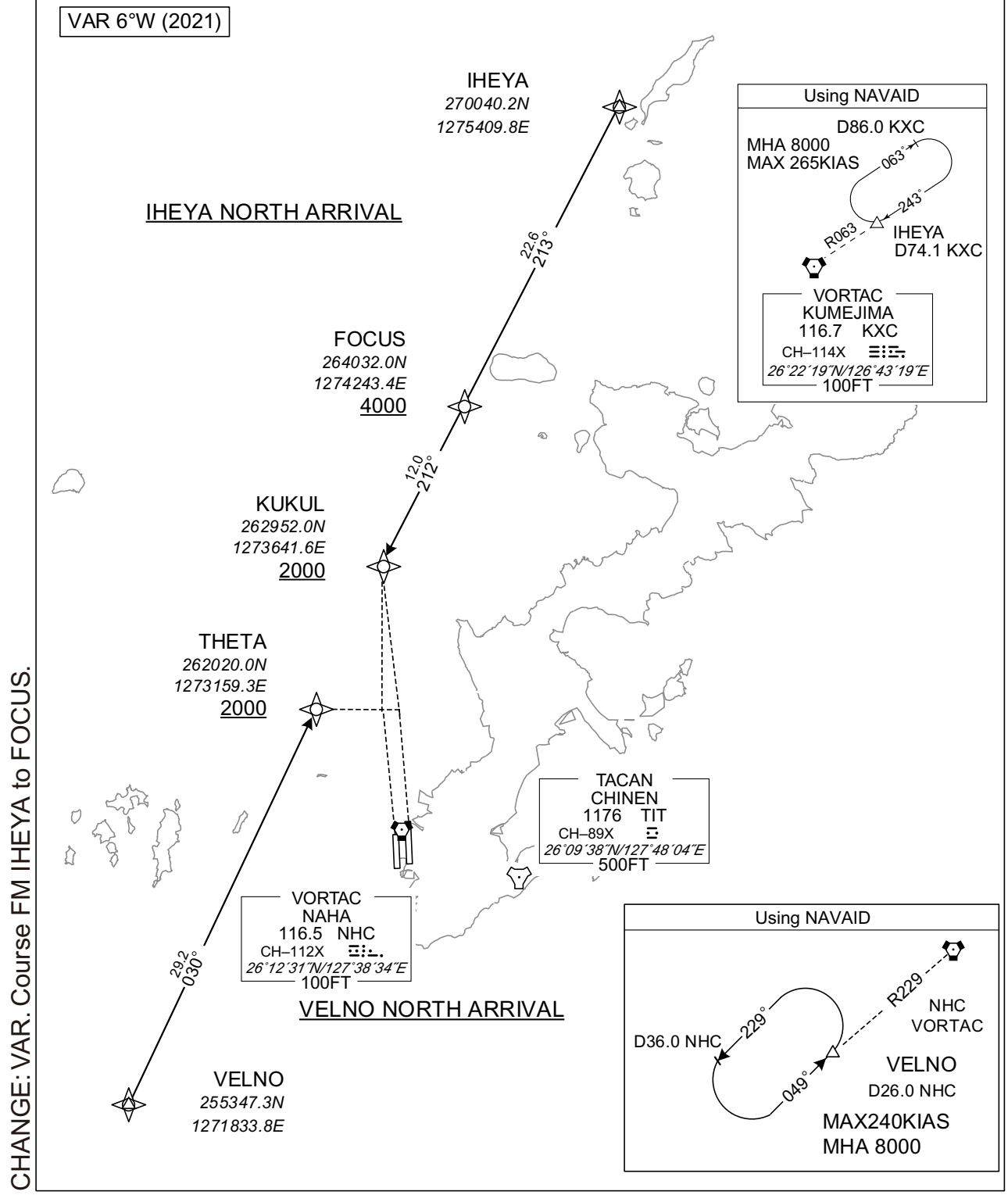
ROAH/NAHA

RNAV STAR RWY18

IHEYA NORTH ARRIVAL
VELNO NORTH ARRIVAL

RNAV1

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.



CHANGE: VAR. Course FM IHEYA to FOCUS.

STANDARD ARRIVAL CHART-INSTRUMENT

ROAH / NAHA RNAV STAR RWY18

IHEYA NORTH ARRIVAL

From IHEYA, to FOCUS at or above 4000FT, to KUKUL at or above 2000FT.

Critical DME	–
DME GAP	IHEYA − KUKUL
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

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	IHEYA	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	FOCUS	-	213 (206.9)	-5.6	22.6	-	+4000	-	-	RNAV1
003	TF	KUKUL	-	212 (206.8)	-5.6	12.0	-	+2000	-	-	RNAV1

VELNO NORTH ARRIVAL

From VELNO, to THETA at or above 2000FT.

Critical DME	–
DME GAP	VELNO − THETA
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

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	VELNO	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	THETA	-	030 (024.4)	-5.6	29.2	-	+2000	-	-	RNAV1

CHANGE: VAR. Course FM IHEYA to FOCUS.

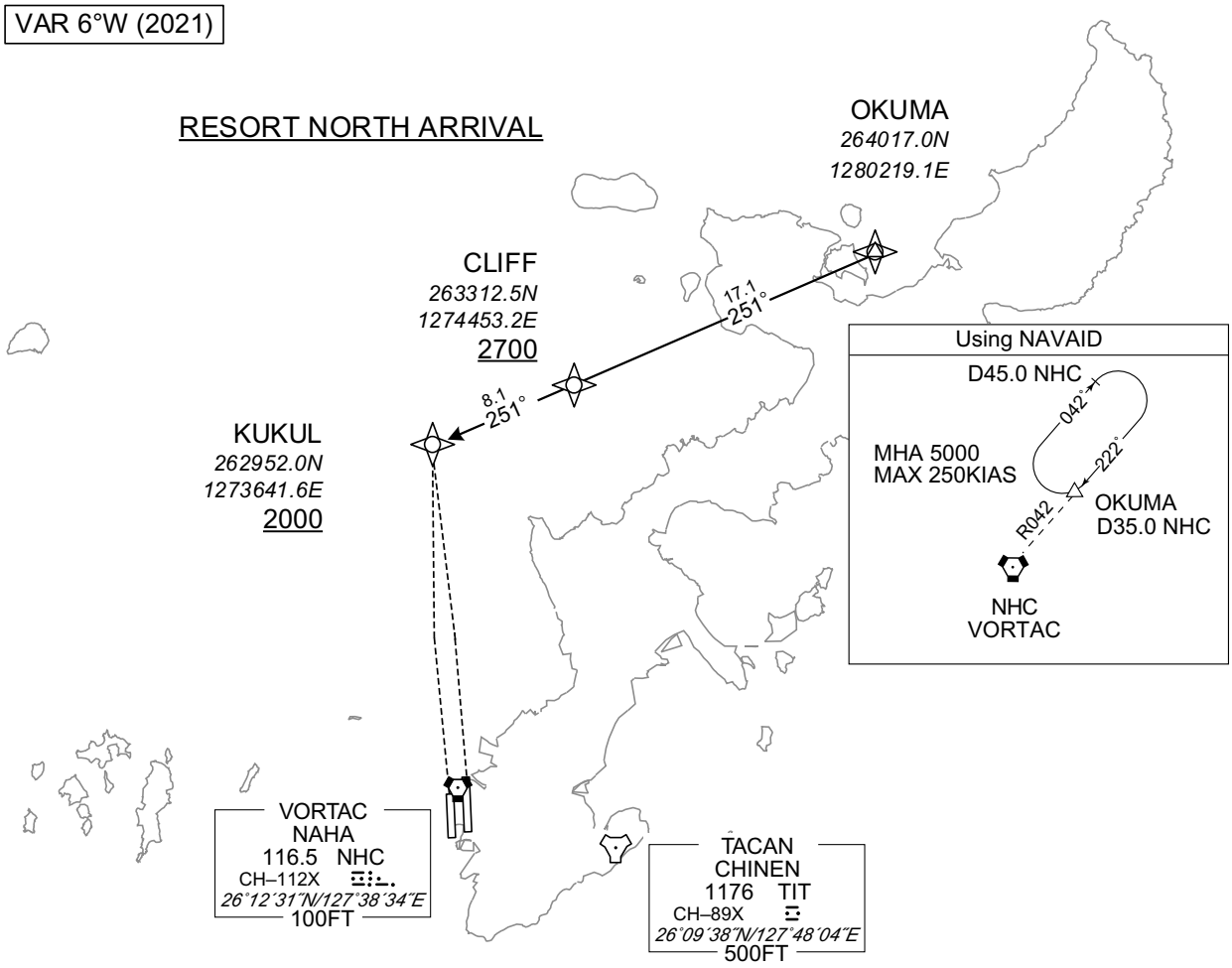
STANDARD ARRIVAL CHART-INSTRUMENT

ROAH/NAHA — RNAV STAR RWY18

RESORT NORTH ARRIVAL	RNAV1

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.
3) CDO only.

VAR 6°W (2021)



RESORT NORTH ARRIVAL

From OKUMA, to CLIFF at or above 2700FT, to KUKUL at or above 2000FT.

Critical DME	–
DME GAP	OKUMA − KUKUL
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

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	OKUMA	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	CLIFF	-	251 (245.7)	-5.6	17.1	-	+2700	-	-	RNAV1
003	TF	KUKUL	-	251 (245.5)	-5.6	8.1	-	+2000	-	-	RNAV1

CHANGE: VAR.

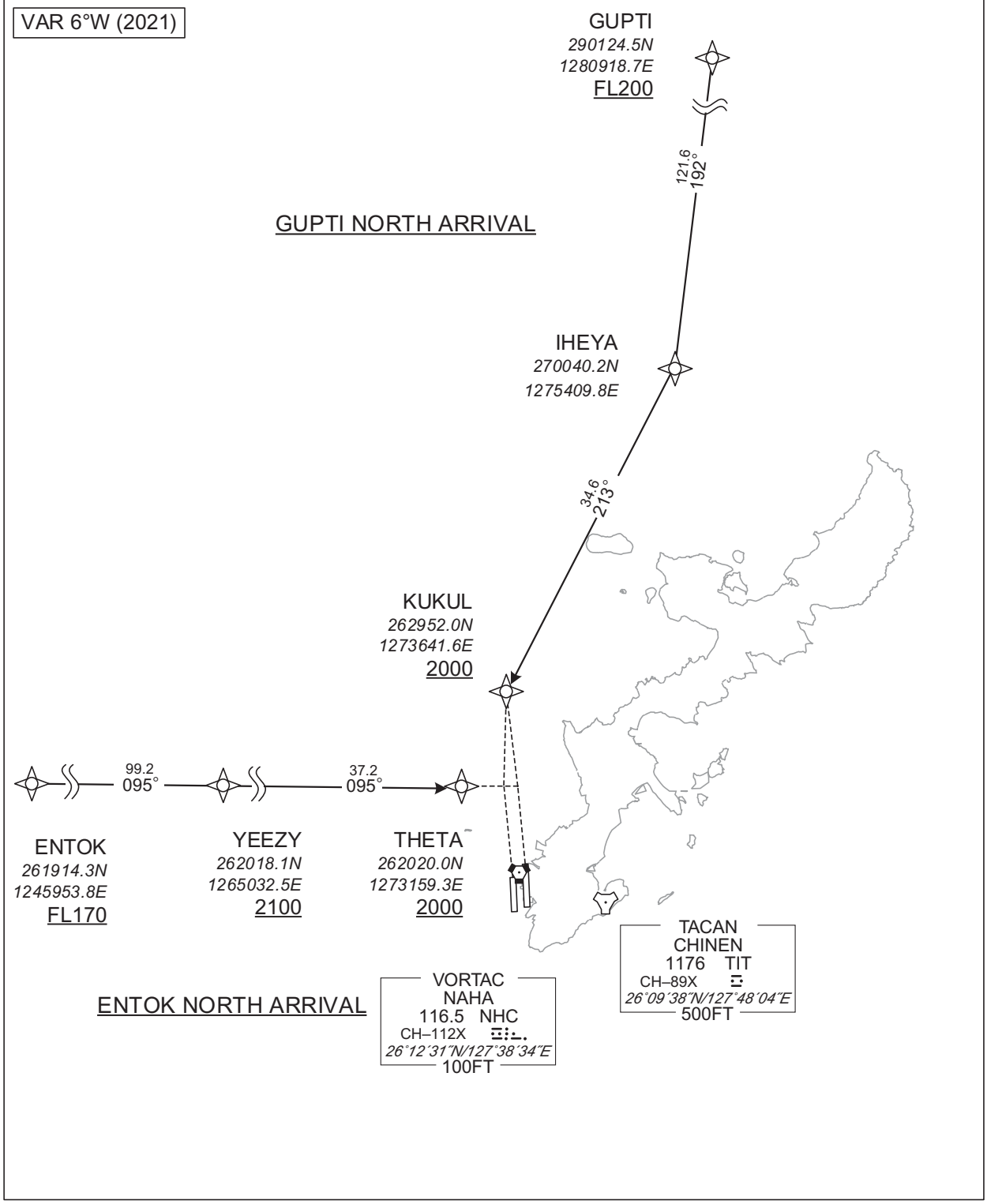
STANDARD ARRIVAL CHART-INSTRUMENT

ROAH/NAHA — RNAV STAR RWY18

GUPTI NORTH ARRIVAL
ENTOK NORTH ARRIVAL

Basic RNP1

Note 1) GNSS required. 2) CDO only.



CHANGE: VAR. PROC course.

STANDARD ARRIVAL CHART-INSTRUMENT

ROAH / NAHA RNAV STAR RWY18

GUPTI NORTH ARRIVAL

From GUPTI at or above FL200, to IHEYA, to KUKUL at or above 2000FT.

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	GUPTI	-	-	-5.6	-	-	+FL200	-	-	Basic RNP1
002	TF	IHEYA	-	192 (186.4)	-5.6	121.6	-	-	-	-	Basic RNP1
003	TF	KUKUL	-	213 (206.9)	-5.6	34.6	-	+2000	-	-	Basic RNP1

ENTOK NORTH ARRIVAL

From ENTOK at or above FL170, to YEEZY at or above 2100FT, to THETA at or above 2000FT.

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	ENTOK	-	-	-5.6	-	-	+FL170	-	-	Basic RNP1
002	TF	YEEZY	-	095 (089.0)	-5.6	99.2	-	+2100	-	-	Basic RNP1
003	TF	THETA	-	095 (089.8)	-5.6	37.2	-	+2000	-	-	Basic RNP1

CHANGE: VAR. PROC course.

STANDARD ARRIVAL CHART-INSTRUMENT

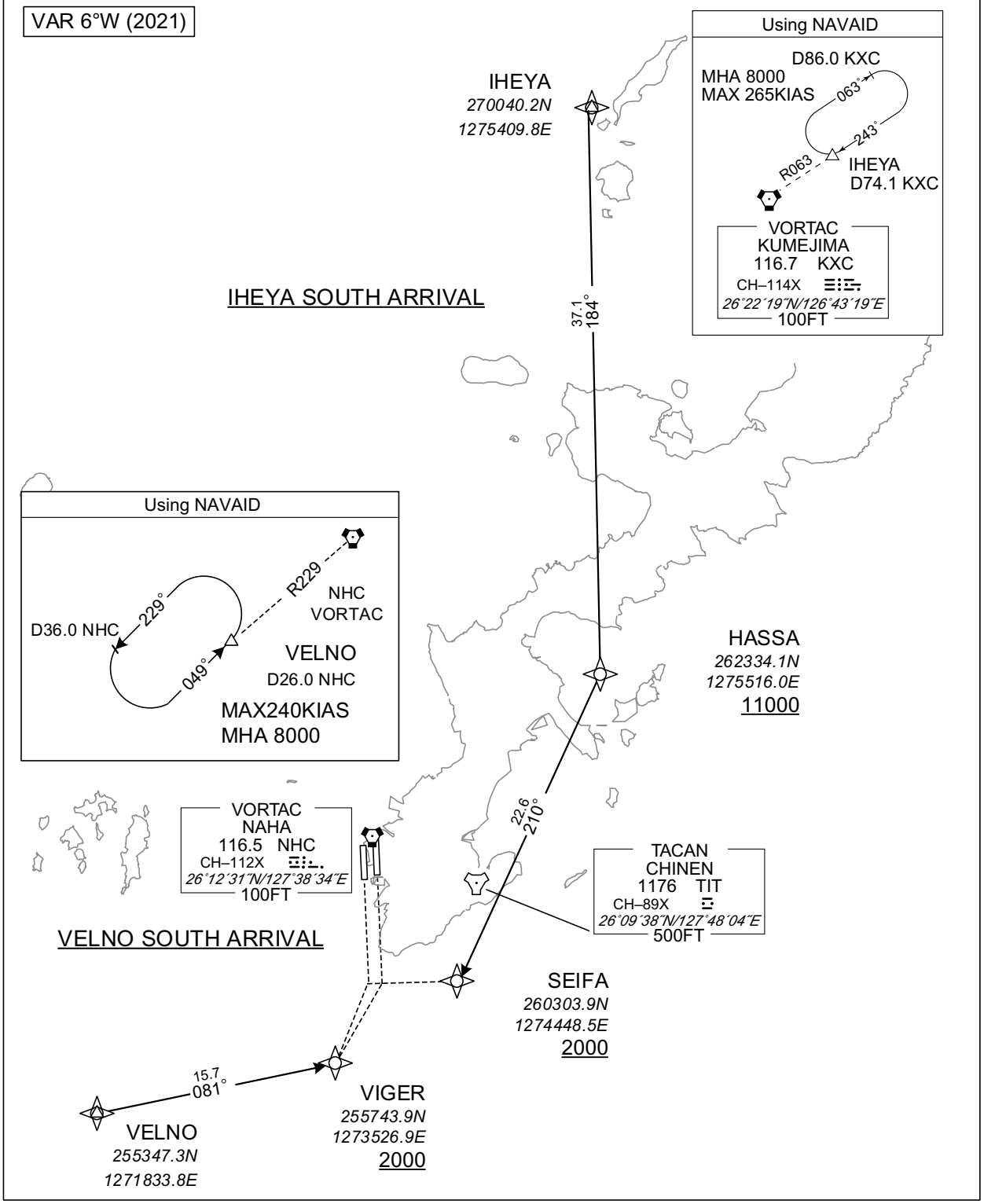
ROAH/NAHA

RNAV STAR RWY36

IHEYA SOUTH ARRIVAL
VELNO SOUTH ARRIVAL

RNAV1

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.



CHANGE: VAR.

STANDARD ARRIVAL CHART-INSTRUMENT

ROAH / NAHA RNAV STAR RWY36

IHEYA SOUTH ARRIVAL

From IHEYA, to HASSA at or above 11000FT , to SEIFA at or above 2000FT.

Critical DME	–
DME GAP	20.0NM to HASSA – SEIFA
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

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	IHEYA	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	HASSA	-	184 (178.5)	-5.6	37.1	-	+11000	-	-	RNAV1
003	TF	SEIFA	-	210 (204.6)	-5.6	22.6	-	+2000	-	-	RNAV1

VELNO SOUTH ARRIVAL

From VELNO, to VIGER at or above 2000FT.

Critical DME	–
DME GAP	VELNO – VIGER
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

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	VELNO	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	VIGER	-	081 (075.4)	-5.6	15.7	-	+2000	-	-	RNAV1

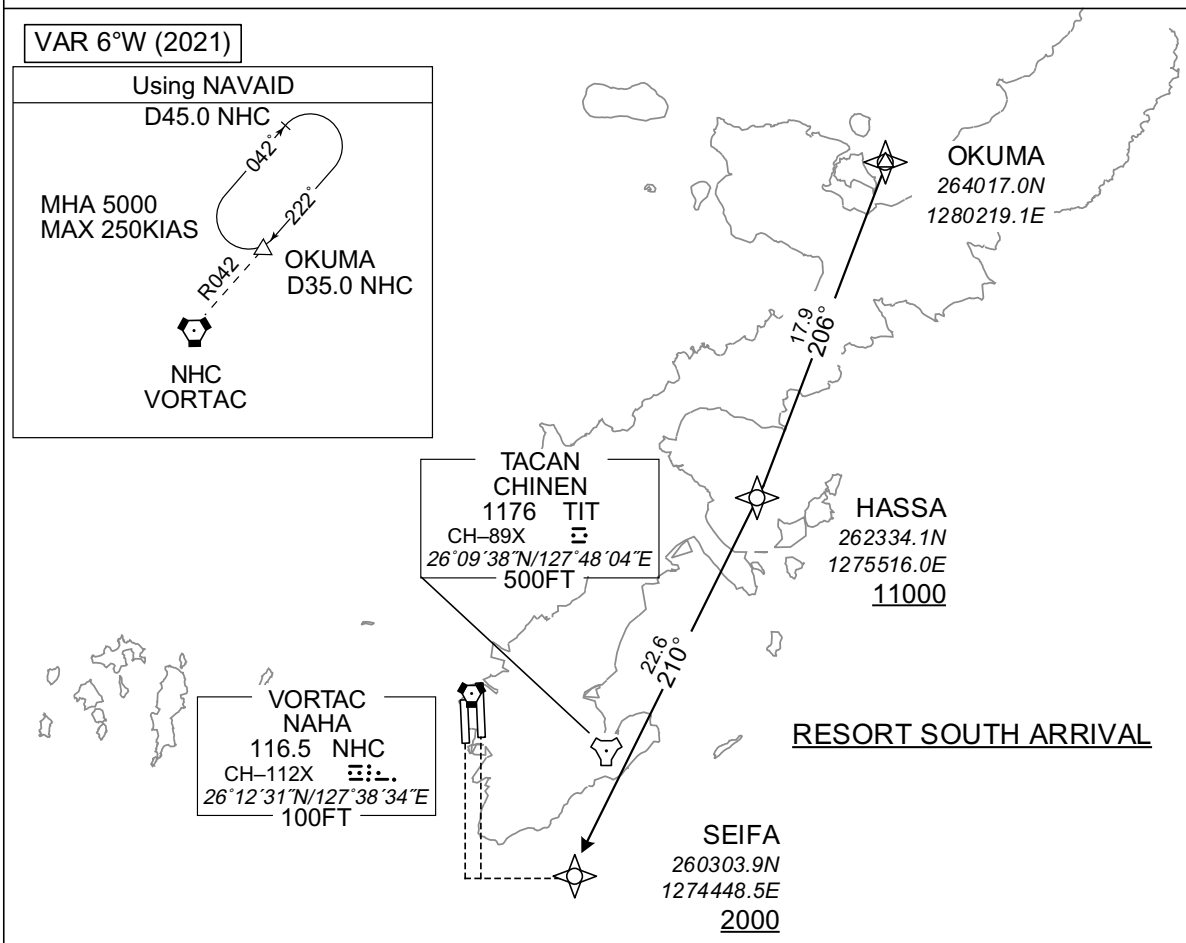
CHANGE: VAR.

STANDARD ARRIVAL CHART-INSTRUMENT

ROAH/NAHA RNAV STAR RWY36

RESORT SOUTH ARRIVAL	RNAV1

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.
3) CDO only.



RESORT SOUTH ARRIVAL

From OKUMA, to HASSA at or above 11000FT, to SEIFA at or above 2000FT.

Critical DME	–
DME GAP	OKUMA − SEIFA
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

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	OKUMA	-	-	-5.6	-	-	-	-	-	RNAV1
002	TF	HASSA	-	206 (200.7)	-5.6	17.9	-	+11000	-	-	RNAV1
003	TF	SEIFA	-	210 (204.6)	-5.6	22.6	-	+2000	-	-	RNAV1

CHANGE: VAR.

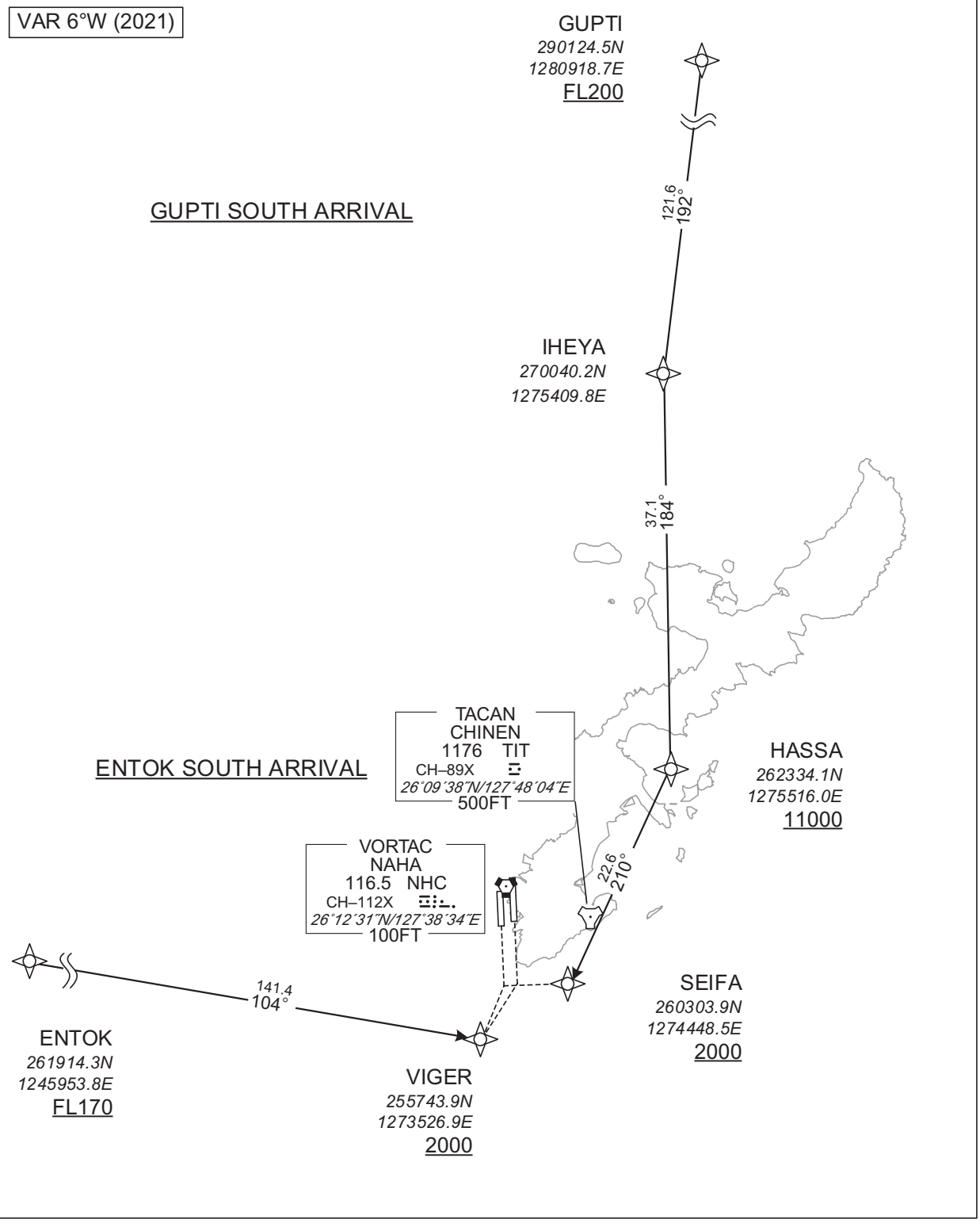
STANDARD ARRIVAL CHART-INSTRUMENT

ROAH/NAHA RNAV STAR RWY36

GUPTI SOUTH ARRIVAL
ENTOK SOUTH ARRIVAL

Basic RNP1

Note 1) GNSS required. 2) CDO only.



STANDARD ARRIVAL CHART-INSTRUMENT

ROAH / NAHA

RNAV STAR RWY36

GUPTI SOUTH ARRIVAL

From GUPTI at or above FL200, to IHEYA, to HASSA at or above 11000FT, to SEIFA at or above 2000FT.

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	GUPTI	-	-	-5.6	-	-	+FL200	-	-	Basic RNP1
002	TF	IHEYA	-	192 (186.4)	-5.6	121.6	-	-	-	-	Basic RNP1
003	TF	HASSA	-	184 (178.5)	-5.6	37.1	-	+11000	-	-	Basic RNP1
004	TF	SEIFA	-	210 (204.6)	-5.6	22.6	-	+2000	-	-	Basic RNP1

ENTOK SOUTH ARRIVAL

From ENTOK at or above FL170, to VIGER at or above 2000FT.

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	ENTOK	-	-	-5.6	-	-	+FL170	-	-	Basic RNP1
002	TF	VIGER	-	104 (098.2)	-5.6	141.4	-	+2000	-	-	Basic RNP1

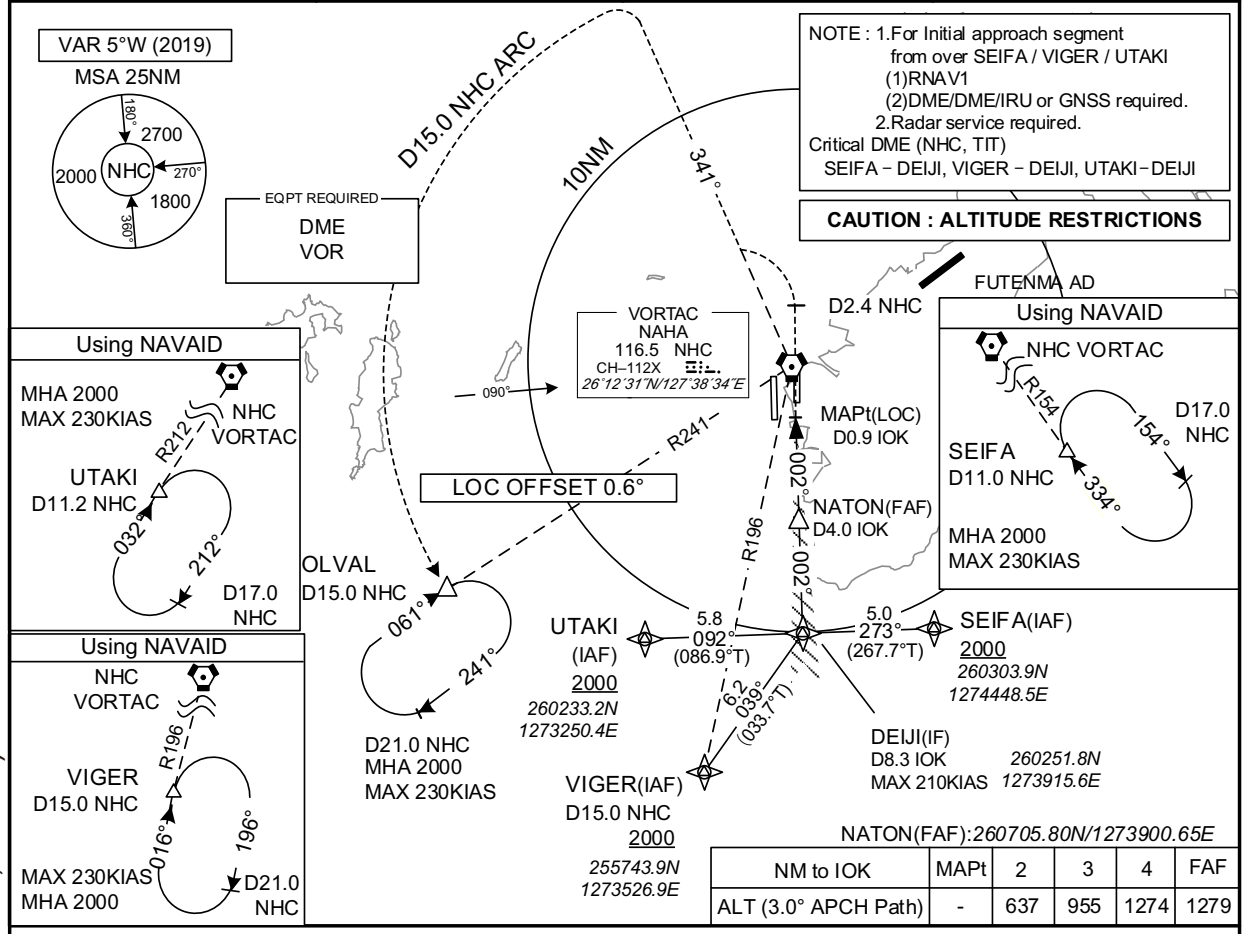
CHANGE: VAR.

INSTRUMENT APPROACH CHART

ROAH / NAHA

ILS Z or LOC Z RWY36R

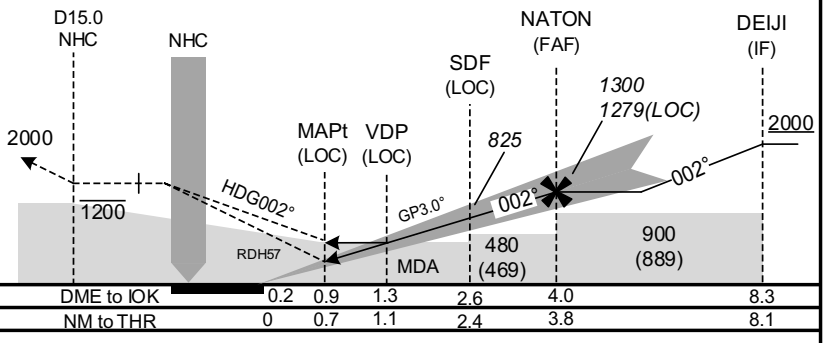
NAHA APP	ILS-LOC	NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	110.3 IOK ILS-GP 335.0 ILS-DME CH-40X	118.1 - 126.2 308.6 - 236.6	ATIS 127.8 - 293.0



NM to IOK	MAPt	2	3	4	FAF
ALT (3.0° APCH Path)	-	637	955	1274	1279

MISSED APPROACH

Climb to 1200FT on HDG 002° to NHC2.4DME, turn left, via NHC R341 to NHC 15.0DME, climb to 2000FT via NHC 15.0DME counterclockwise ARC to OLVAL and hold.
Contact NAHA APP.



MINIMA THR elev. 9 AD elev. 11

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	292 (283)	650	410 (399)	900	620 (609)	1600
B				1000		
C						2400
D				1400		3200

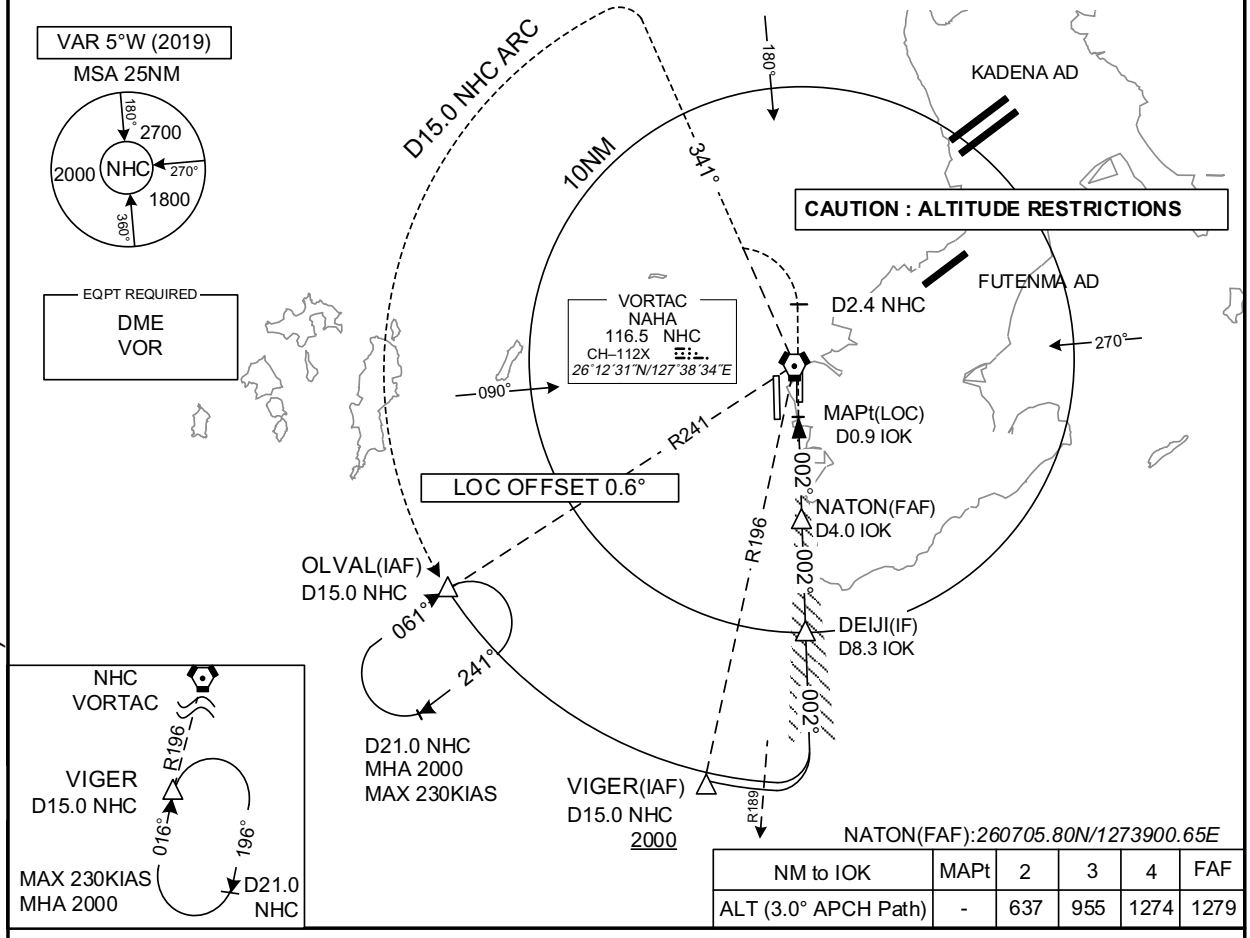
Circling to WEST side of RWY only.

CHANGE: FIX symbol of HLDG pattern(SEIFA, UTAKI, VIGER).

INSTRUMENT APPROACH CHART

ROAH / NAHA — ILS Y or LOC Y RWY36R

NAHA APP	ILS-LOC	NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	110.3 IOK ILS-GP 335.0 ILS-DME CH-40X	118.1 - 126.2 308.6 - 236.6	ATIS 127.8 - 293.0

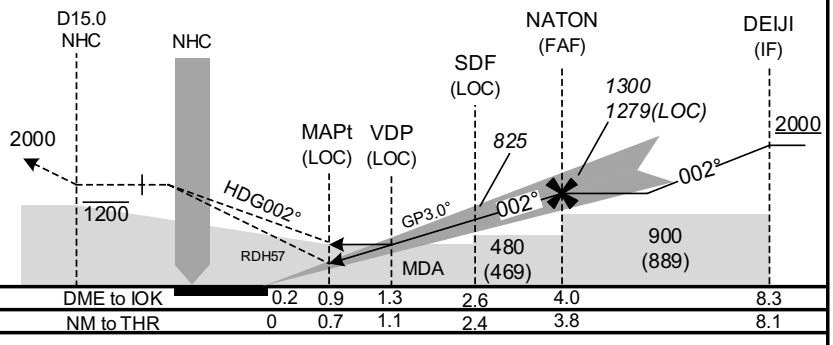


NATON(FAF):*260705.80N/1273900.65E*

NM to IOK	MAPt	2	3	4	FAF
ALT (3.0° APCH Path)	-	637	955	1274	1279

MISSED APPROACH

Climb to 1200FT on HDG 002° to NHC2.4DME, turn left, via NHC R341 to NHC 15.0DME, climb to 2000FT via NHC 15.0DME counterclockwise ARC to OLVAL and hold.
Contact NAHA APP.



MINIMA		THR elev. 9		AD elev. 11	
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	292 (283)	650	410 (399)	900	620 (609)	1600
B				1000		
C						2400
D				1400		3200

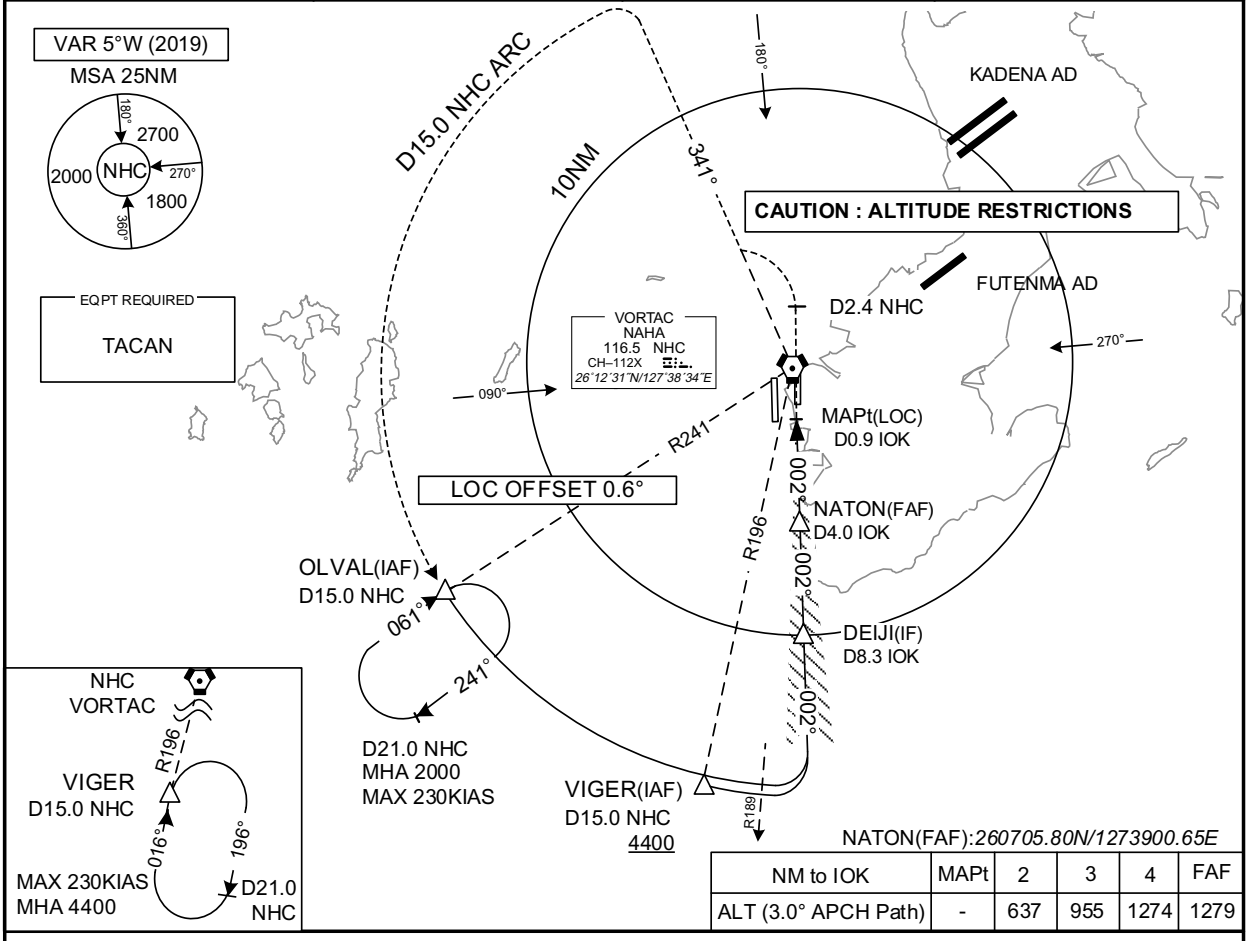
Circling to WEST side of RWY only.

CHANGE: Correction of misdescription (NM to Next IOK → NM to IOK).

INSTRUMENT APPROACH CHART

ROAH / NAHA — ILS X or LOC X RWY36R

NAHA APP	ILS-LOC	NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	110.3 IOK ILS-GP 335.0 ILS-DME CH-40X	118.1 - 126.2 308.6 - 236.6	ATIS 127.8 - 293.0

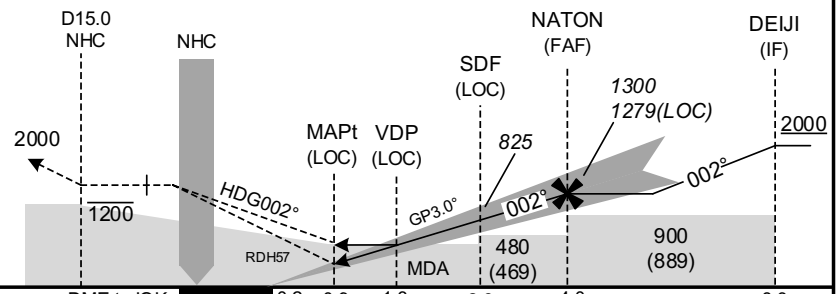


NATON(FAF):*260705.80N/1273900.65E*

NM to IOK	MAPt	2	3	4	FAF
ALT (3.0° APCH Path)	-	637	955	1274	1279

MISSED APPROACH

Climb to 1200FT on HDG 002° to NHC2.4DME, turn left, via NHC R341 to NHC 15.0DME, climb to 2000FT via NHC 15.0DME counterclockwise ARC to OLVAL and hold.
Contact NAHA APP.



MINIMA — THR elev. 9 — AD elev. 11

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	292 (283)	650	410 (399)	900	620 (609)	1600
B				1000		
C						2400
D				1400		3200

Circling to WEST side of RWY only.

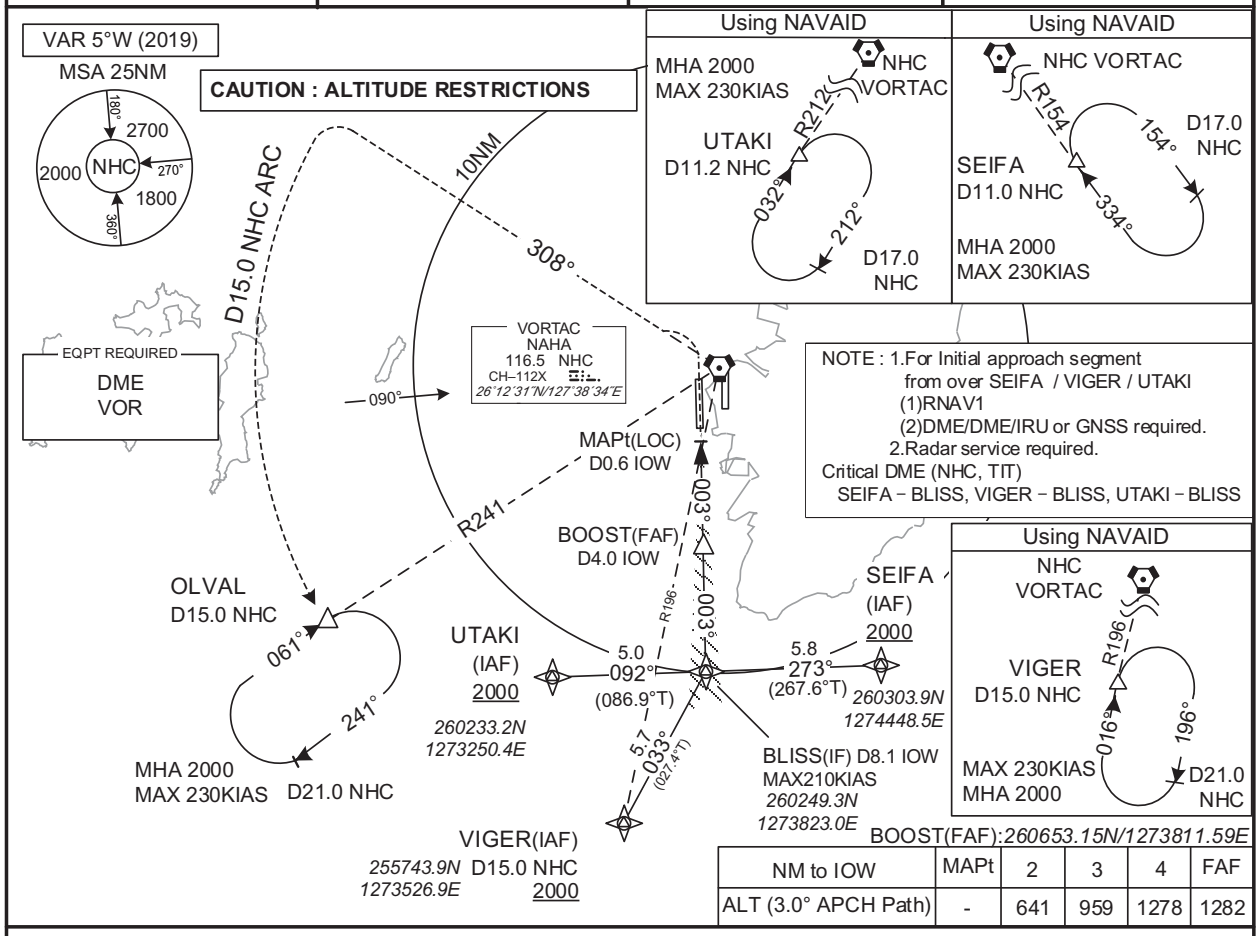
CHANGE: Correction of misdescription (NM to Next IOK → NM to IOK).

INSTRUMENT APPROACH CHART

ROAH / NAHA

ILS Z or LOC Z RWY36L

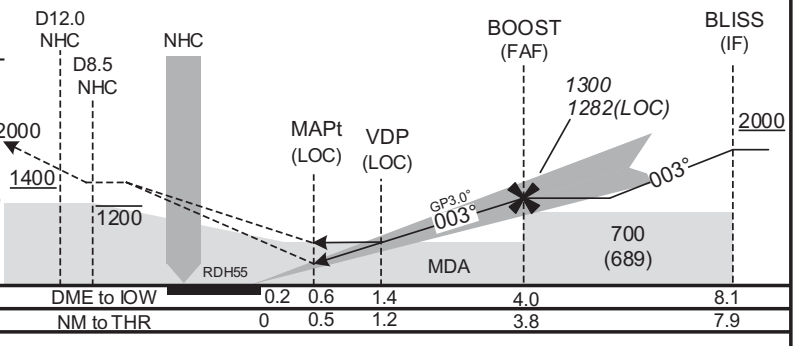
NAHA APP	ILS-LOC	NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	111.7 IOW ILS-GP 333.5 ILS-DME CH-54X	118.75 - 126.2 247.8 - 236.6	ATIS 127.8 - 293.0



NM to IOW	MAPt	2	3	4	FAF
ALT (3.0° APCH Path)	-	641	959	1278	1282

MISSED APPROACH

Turn left, climb to 1200FT via NHC R 308 to NHC8.5DME, climb to 2000FT via NHC R308 to NHC 15.0DME, via NHC 15.0DME counterclockwise ARC to OLVAL and hold.
Cross NHC R308/12.0DME at or above 1400FT.
Contact NAHA APP.



MINIMA	THR elev. 14		AD elev. 11			
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	214 (200)	550	430 (419)	900	620 (609)	1600
B				1000		
C						2400
D				1400		3200

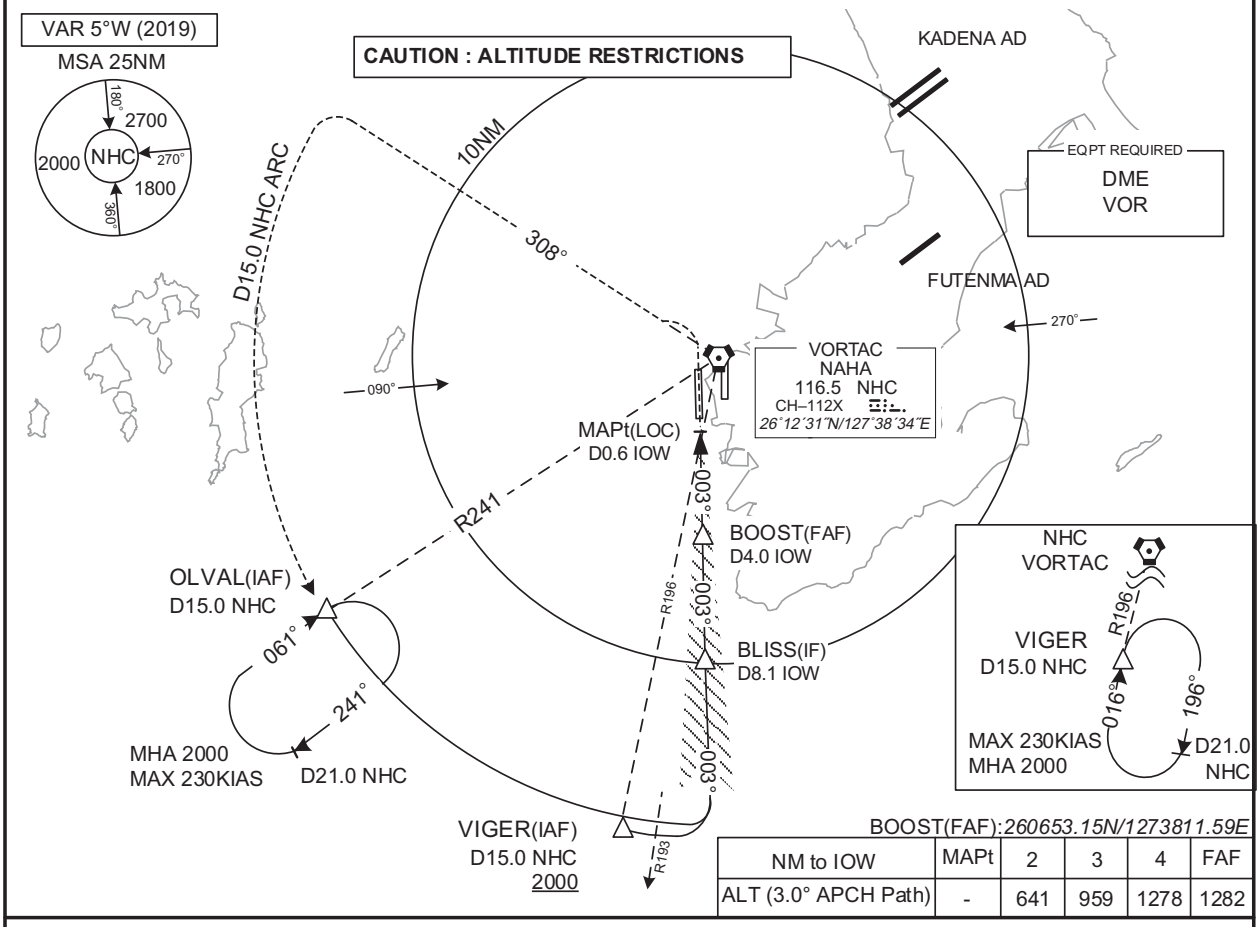
Circling to WEST side of RWY only.

CHANGE: FIX symbol of HLDG pattern(SEIFA, UTAKI, VIGER).

INSTRUMENT APPROACH CHART

ROAH / NAHA — ILS Y or LOC Y RWY36L

NAHA APP	ILS-LOC	NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	111.7 IOW ILS-GP 333.5 ILS-DME CH-54X	118.75 - 126.2 247.8 - 236.6	ATIS 127.8 - 293.0

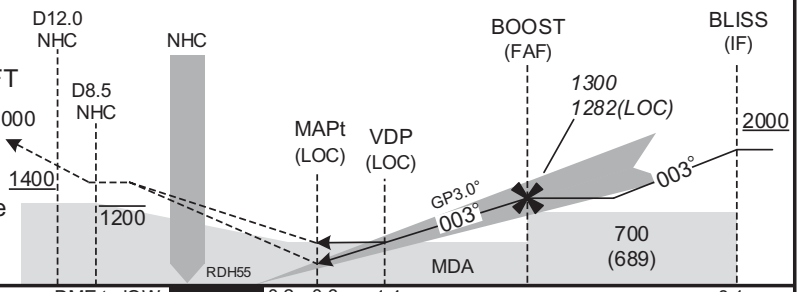


BOOST(FAF):*260653.15N/1273811.59E*

NM to IOW	MAPt	2	3	4	FAF
ALT (3.0° APCH Path)	-	641	959	1278	1282

MISSED APPROACH

Turn left, climb to 1200FT via NHC R308 to NHC8.5DME, climb to 2000FT via NHC R308 to NHC 15.0DME, via NHC 15.0DME counterclockwise ARC to OLVAL and hold.
Cross NHC R308/12.0DME at or above 1400FT.
Contact NAHA APP.



MINIMA — THR elev. 14 — AD elev. 11

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	214 (200)	550	430 (419)	900	620 (609)	1600
B				1000		
C						2400
D				1400		3200

Circling to WEST side of RWY only.

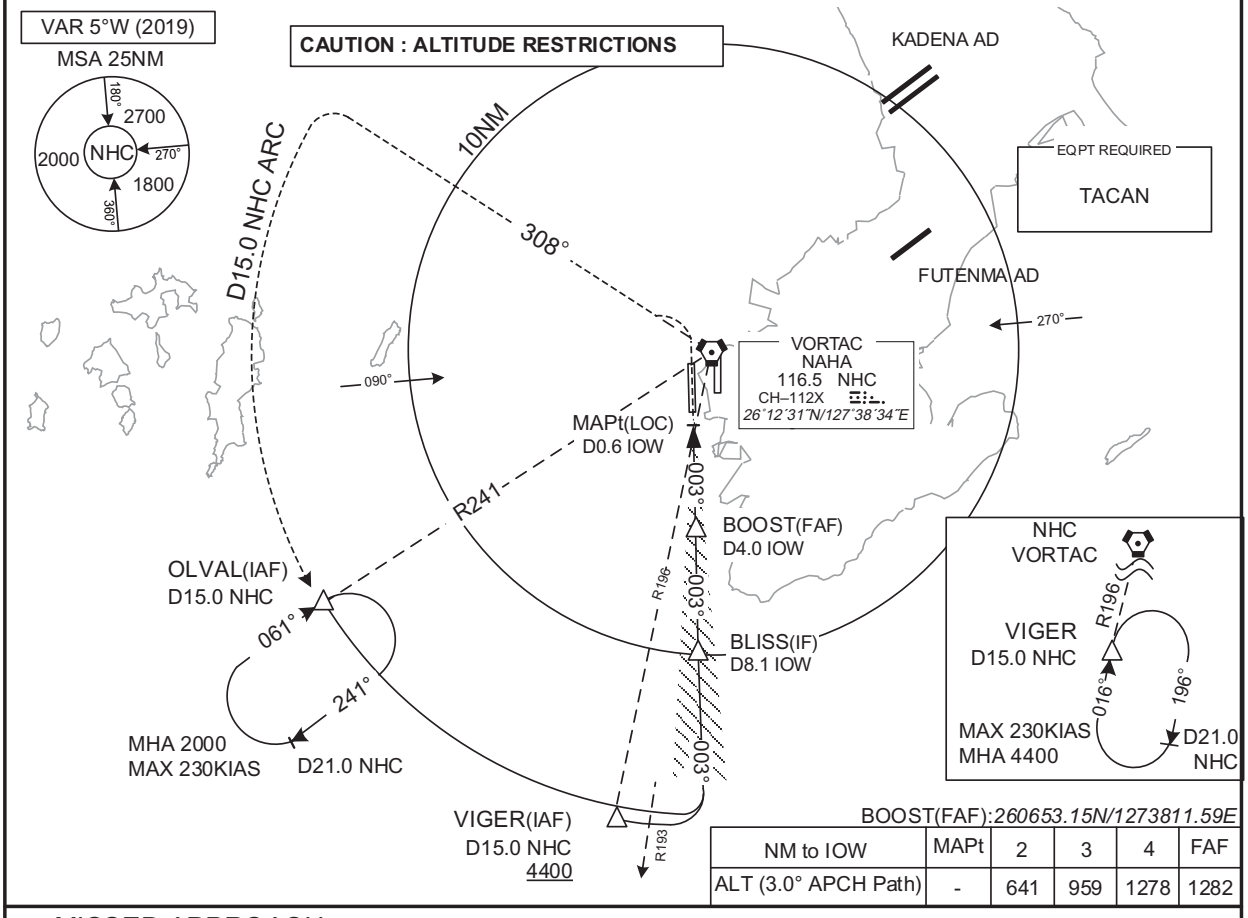
CHANGE: New PROC

INSTRUMENT APPROACH CHART

ROAH / NAHA

ILS X or LOC X RWY36L

NAHA APP	ILS-LOC	NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	111.7 IOW ILS-GP 333.5 ILS-DME CH-54X	118.75 - 126.2 247.8 - 236.6	ATIS 127.8 - 293.0

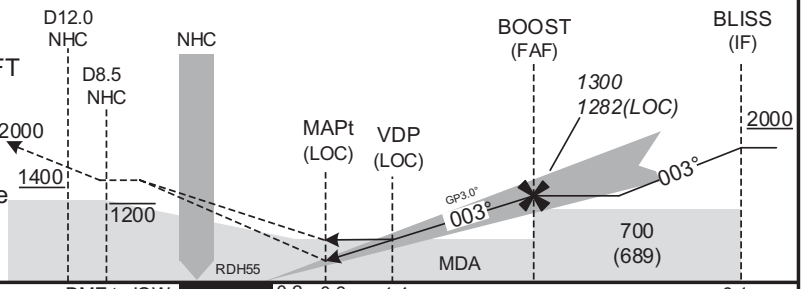


BOOST(FAF):*260653.15N/1273811.59E*

NM to IOW	MAPt	2	3	4	FAF
ALT (3.0° APCH Path)	-	641	959	1278	1282

MISSED APPROACH

Turn left, climb to 1200FT via NHC R308 to NHC8.5DME, climb to 2000FT via NHC R308 to NHC 15.0DME, via NHC 15.0DME counterclockwise ARC to OLVAL and hold.
Cross NHC R308/12.0DME at or above 1400FT.
Contact NAHA APP.



MINIMA THR elev. 14 AD elev. 11

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	214 (200)	550	430 (419)	900	620 (609)	1600
B				1000		
C						2400
D				1400		3200

Circling to WEST side of RWY only.

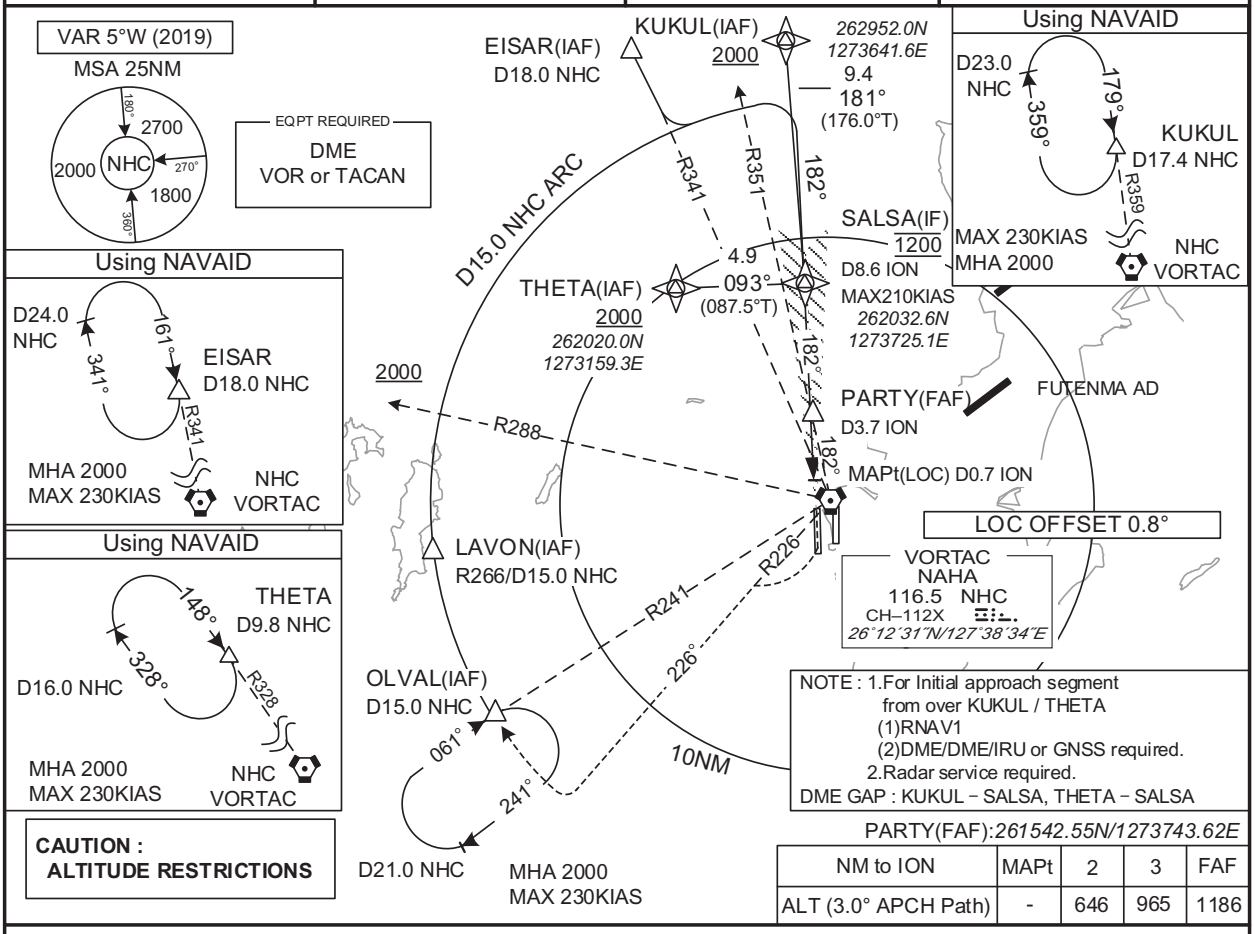
CHANGE: New PROC

INSTRUMENT APPROACH CHART

ROAH / NAHA

ILS or LOC RWY18R

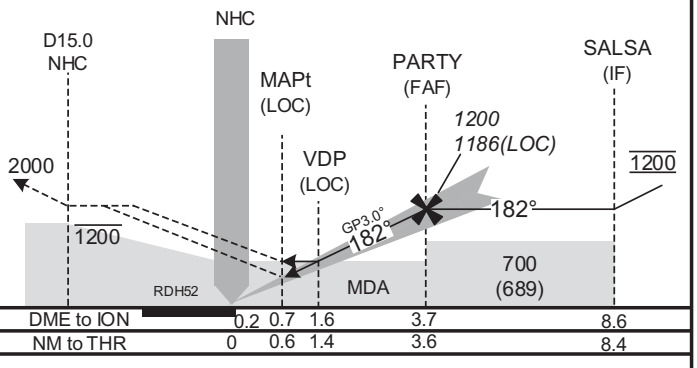
NAHA APP	ILS-LOC	NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	110.15 ION ILS-GP 334.25 ILS-DME CH-38Y	118.75- 126.2 247.8 - 236.6	ATIS 127.8 - 293.0



NM to ION	MAPt	2	3	FAF
ALT (3.0° APCH Path)	-	646	965	1186

MISSED APPROACH

Turn right, climb to 1200FT, via NHC R226 to NHC 15.0DME, climb to 2000FT via NHC 15.0DME clockwise ARC to OLVAL and hold.
Contact NAHA APP.



MINIMA THR elev. 16 AD elev. 11

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	263 (247)	600	490 (479)	1000	620 (609)	1600
B				1200		
C						2400
D				1600		3200

Circling to WEST side of RWY only.

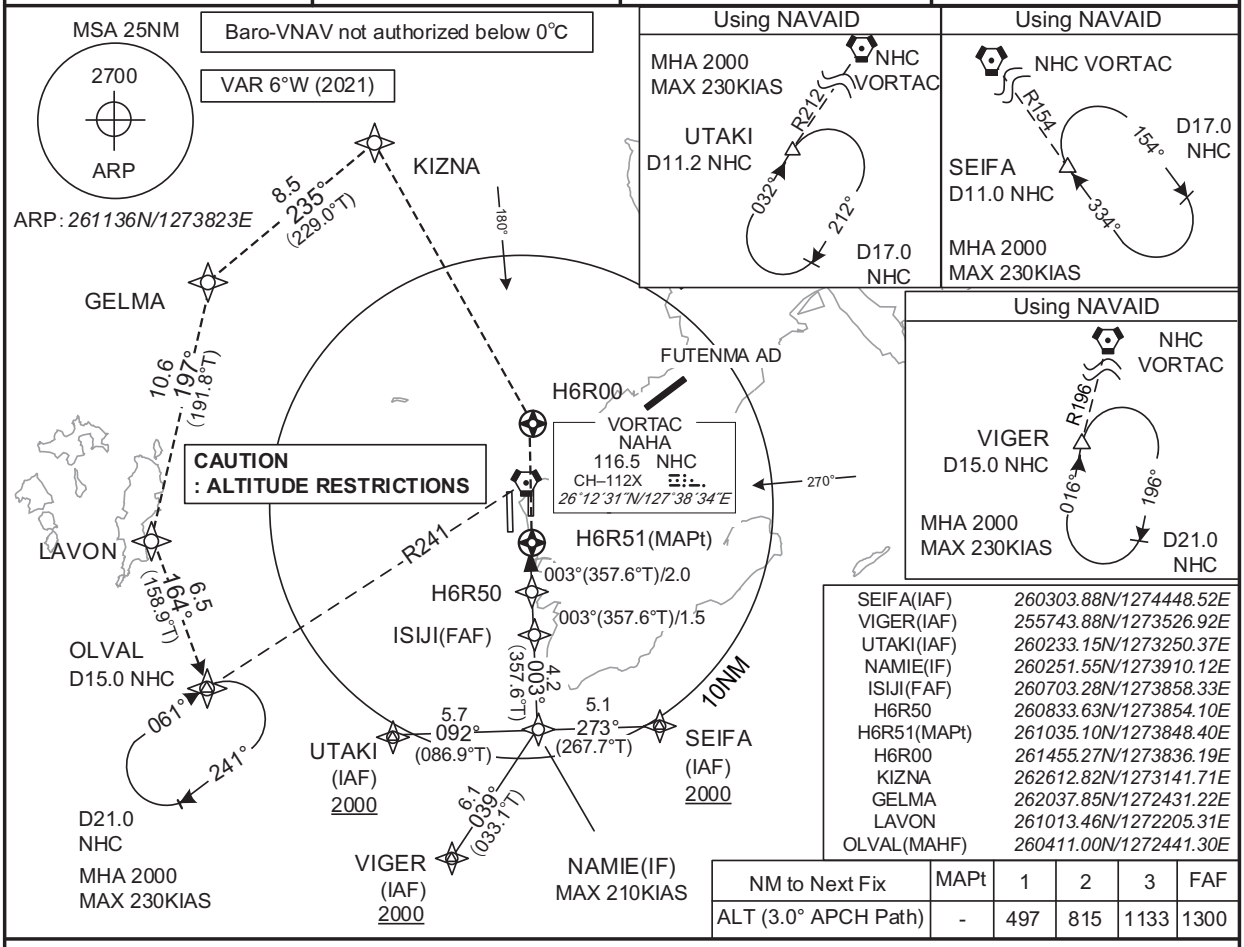
CHANGE: ALT restriction at SALSA added (in the plan view).

INSTRUMENT APPROACH CHART

ROAH / NAHA

RNAV(GNSS) RWY36R

NAHA APP		NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	1. DME/DME not authorized. 2. RADAR service required. 3. GNSS required.	118.1 - 126.2 308.6 - 236.6	ATIS 127.8 - 293.0



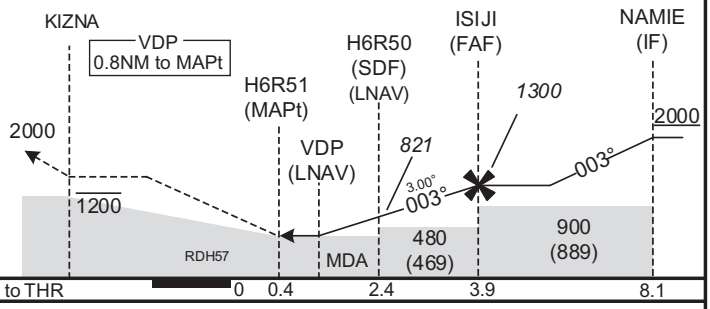
SEIFA(IAF)	260303.88N/1274448.52E
VIGER(IAF)	255743.88N/1273526.92E
UTAKI(IAF)	260233.15N/1273250.37E
NAMIE(IF)	260251.55N/1273910.12E
ISIJI(FAF)	260703.28N/1273858.33E
H6R50	260833.63N/1273854.10E
H6R51(MAPt)	261035.10N/1273848.40E
H6R00	261455.27N/1273836.19E
KIZNA	262612.82N/1273141.71E
GELMA	262037.85N/1272431.22E
LAVON	261013.46N/1272205.31E
OLVAL(MAHF)	260411.00N/1272441.30E

NM to Next Fix	MAPt	1	2	3	FAF
ALT (3.0° APCH Path)	-	497	815	1133	1300

MISSED APPROACH

Direct to H6R00, turn left direct to KIZNA at or below 1200FT, to GELMA, to LAVON, to OLVAL and hold at 2000FT.

Contact NAHA APP.



CHANGE : Sensor for RNAV.

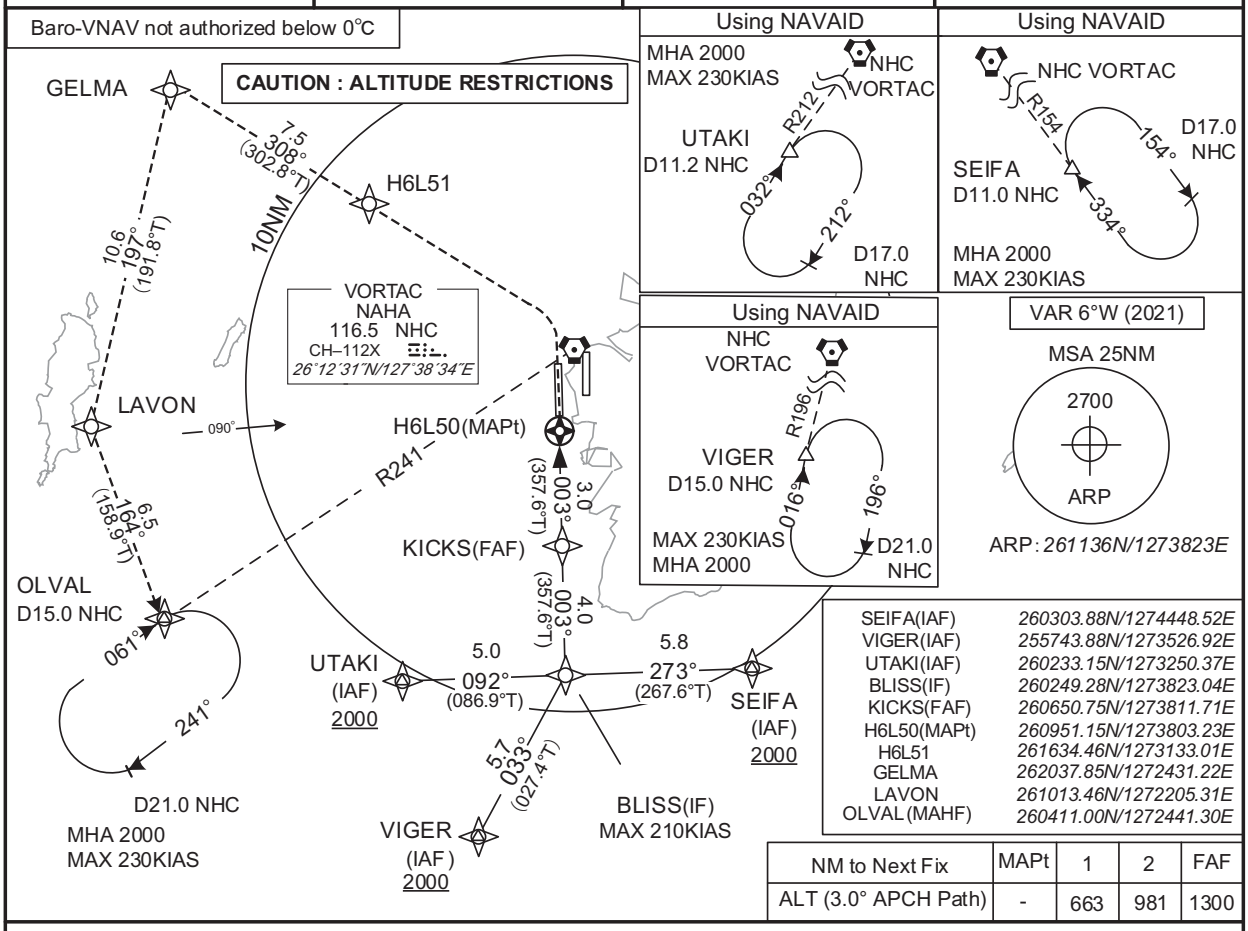
MINIMA	THR elev. 9		AD elev. 11			
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	410 (401)	900	410 (399)	900	620 (609)	1600
B		1000		1000		
C						2400
D		1400		1400		3200

Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA — RNAV(GNSS) RWY36L

NAHA APP		NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	1. DME/DME not authorized. 2. RADAR service required. 3. GNSS required.	118.75 - 126.2 247.8 - 236.6	ATIS 127.8 - 293.0



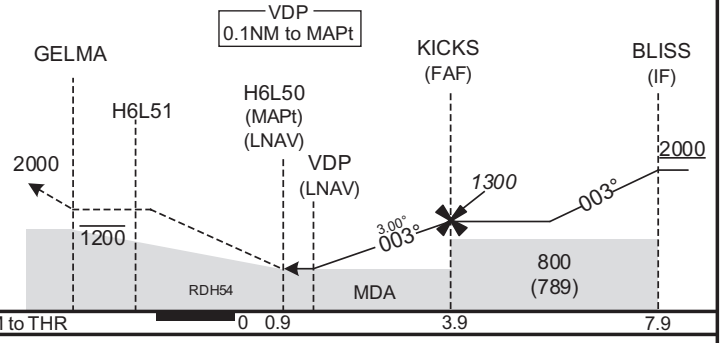
SEIFA(IAF)	260303.88N/1274448.52E
VIGER(IAF)	255743.88N/1273526.92E
UTAKI(IAF)	260233.15N/1273250.37E
BLISS(IF)	260249.28N/1273823.04E
KICKS(FAF)	260650.75N/1273811.71E
H6L50(MAPt)	260951.15N/1273803.23E
H6L51	261634.46N/1273133.01E
GELMA	262037.85N/1272431.22E
LAVON	261013.46N/1272205.31E
OLVAL(MAHF)	260411.00N/1272441.30E

NM to Next Fix	MAPt	1	2	FAF
ALT (3.0° APCH Path)	-	663	981	1300

MISSED APPROACH

Turn left direct to H6L51, to GELMA at or below 1200FT, to LAVON, to OLVAL and hold at 2000FT.

Contact NAHA APP.



CHANGE : Sensor for RNAV.

MINIMA THR elev. 14 AD elev. 11

CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	370 (356)	900	370 (359)	900	620 (609)	1600
B		1000		1000		
C						2400
D		1400		1400		3200

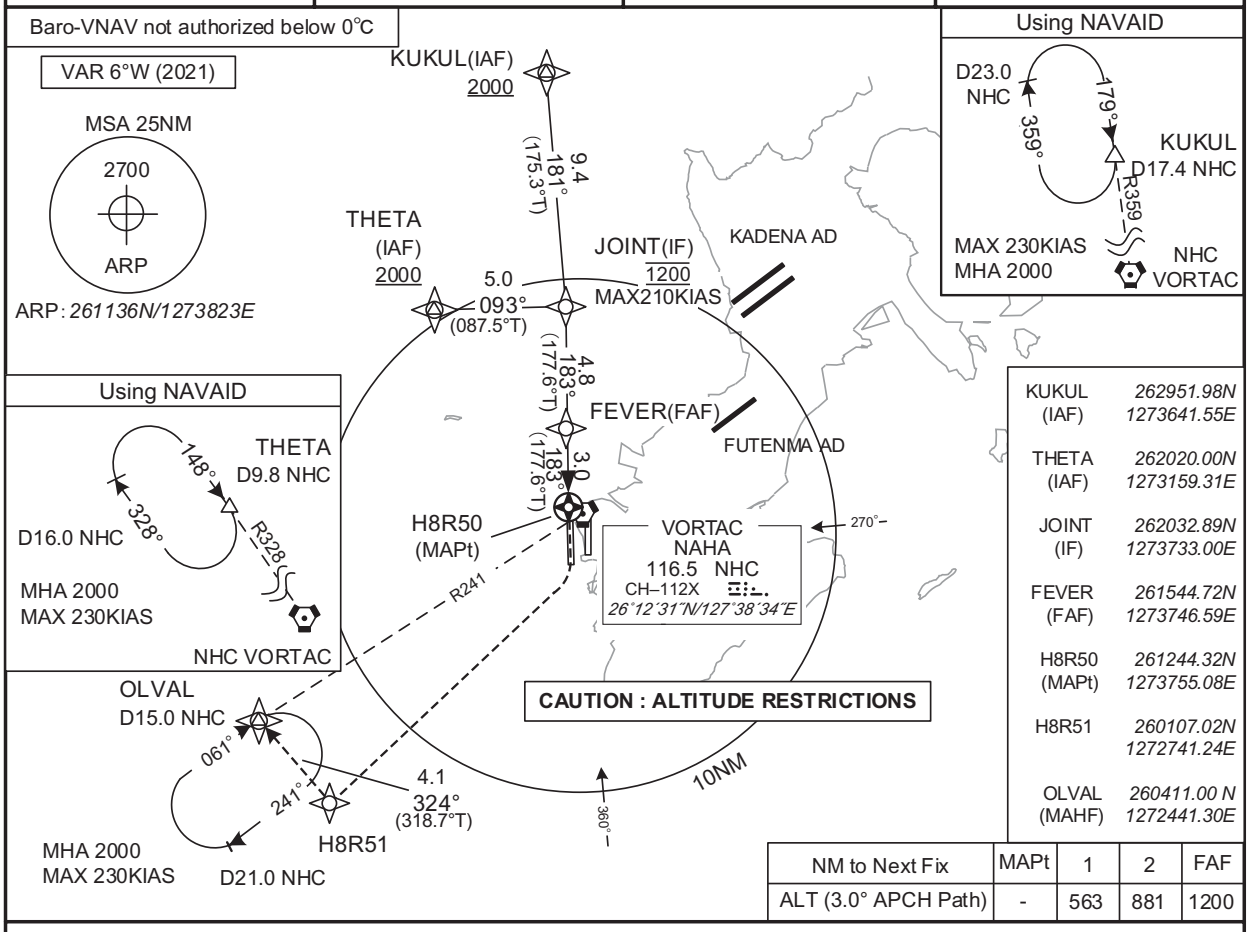
Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA

RNAV(GNSS) RWY18R

NAHA APP		NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	1.DME/DME not authorized. 2.RADAR service required. 3.GNSS required.	118.75- 126.2 247.8 - 236.6	ATIS 127.8 - 293.0



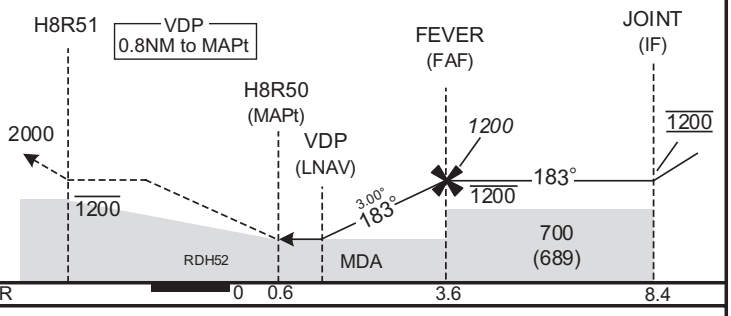
KUKUL (IAF)	262951.98N 1273641.55E
THETA (IAF)	262020.00N 1273159.31E
JOINT (IF)	262032.89N 1273733.00E
FEVER (FAF)	261544.72N 1273746.59E
H8R50 (MAPt)	261244.32N 1273755.08E
H8R51	260107.02N 1272741.24E
OLVAL (MAHF)	260411.00 N 1272441.30E

NM to Next Fix	MAPt	1	2	FAF
ALT (3.0° APCH Path)	-	563	881	1200

MISSED APPROACH

Turn right direct to H8R51 at or below 1200FT, to OLVAL and hold at 2000FT.

Contact NAHA APP.



MINIMA THR elev. 16 AD elev. 11

CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	490 (474)	1000	490 (479)	1000	620 (609)	1600
B		1200		1200		
C						2400
D		1600		1600		3200

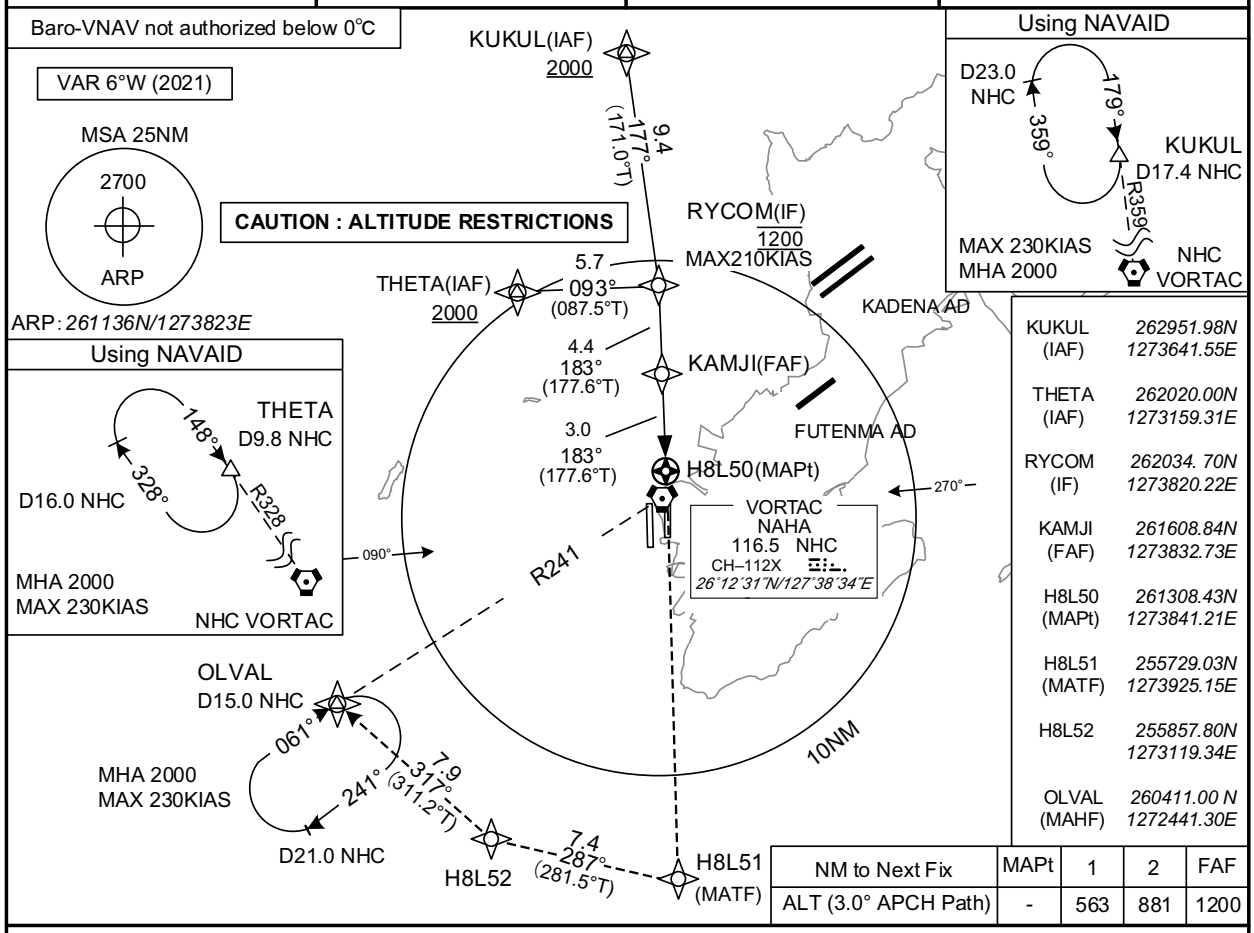
Circling to WEST side of RWY only.

CHANGE : Sensor for RNAV.

INSTRUMENT APPROACH CHART

ROAH / NAHA — RNAV(GNSS) RWY18L

NAHA APP		NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	1.DME/DME not authorized. 2.RADAR service required. 3.GNSS required.	118.1 - 126.2 308.6 - 236.6	ATIS 127.8 - 293.0



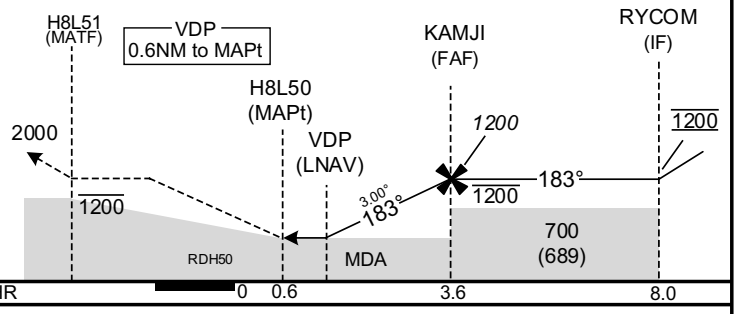
KUKUL (IAF)	262951.98N 1273641.55E
THETA (IAF)	262020.00N 1273159.31E
RYCOM (IF)	262034. 70N 1273820.22E
KAMJI (FAF)	261608.84N 1273832.73E
H8L50 (MAPt)	261308.43N 1273841.21E
H8L51 (MATF)	255729.03N 1273925.15E
H8L52	255857.80N 1273119.34E
OLVAL (MAHF)	260411.00 N 1272441.30E

NM to Next Fix	MAPt	1	2	FAF
ALT (3.0° APCH Path)	-	563	881	1200

MISSED APPROACH

Direct to H8L51 at or below 1200FT, to H8L52, to OLVAL and hold at 2000FT.

Contact NAHA APP.



CHANGE : Sensor for RNAV.

MINIMA THR elev. 11 AD elev. 11

CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	430 (419)	1200	430 (419)	1200	620 (609)	1600
B		1300		1300		
C		1400		1400		2400
D		1600		1600		3200

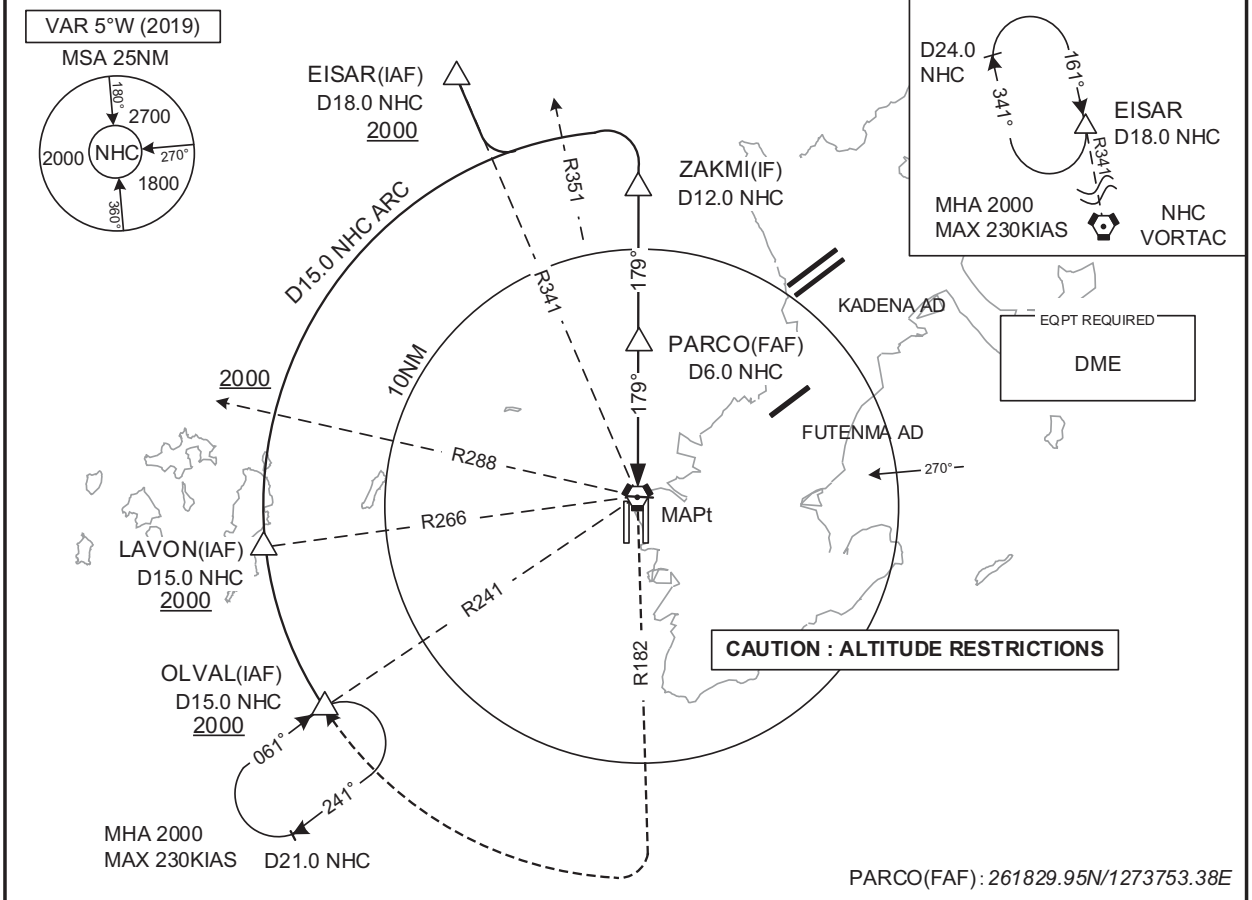
Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA

VOR A or TACAN B

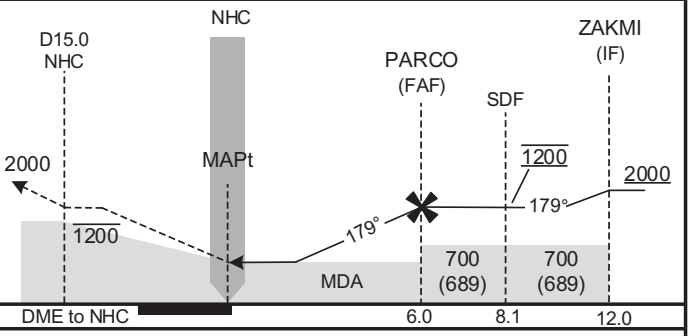
NAHA APP	NAHA VORTAC	NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	116.5 NHC CH–112X *26°12′31″N/127°38′34″E*	118.75 - 118.1 247.8 - 308.6	ATIS 127.8 - 293.0



MISSED APPROACH

Climb to 1200FT via NHC R182 to NHC 15.0DME, climb to 2000FT via NHC 15.0DME clockwise ARC to OLVAL and hold.
Contact NAHA APP.

Timing not authorized for defining the MAPt.



MINIMA		AD elev. 11
CAT	CIRCLING	
	MDA(H)	VIS
A	620 (609)	1600
B		
C		2400
D		3200

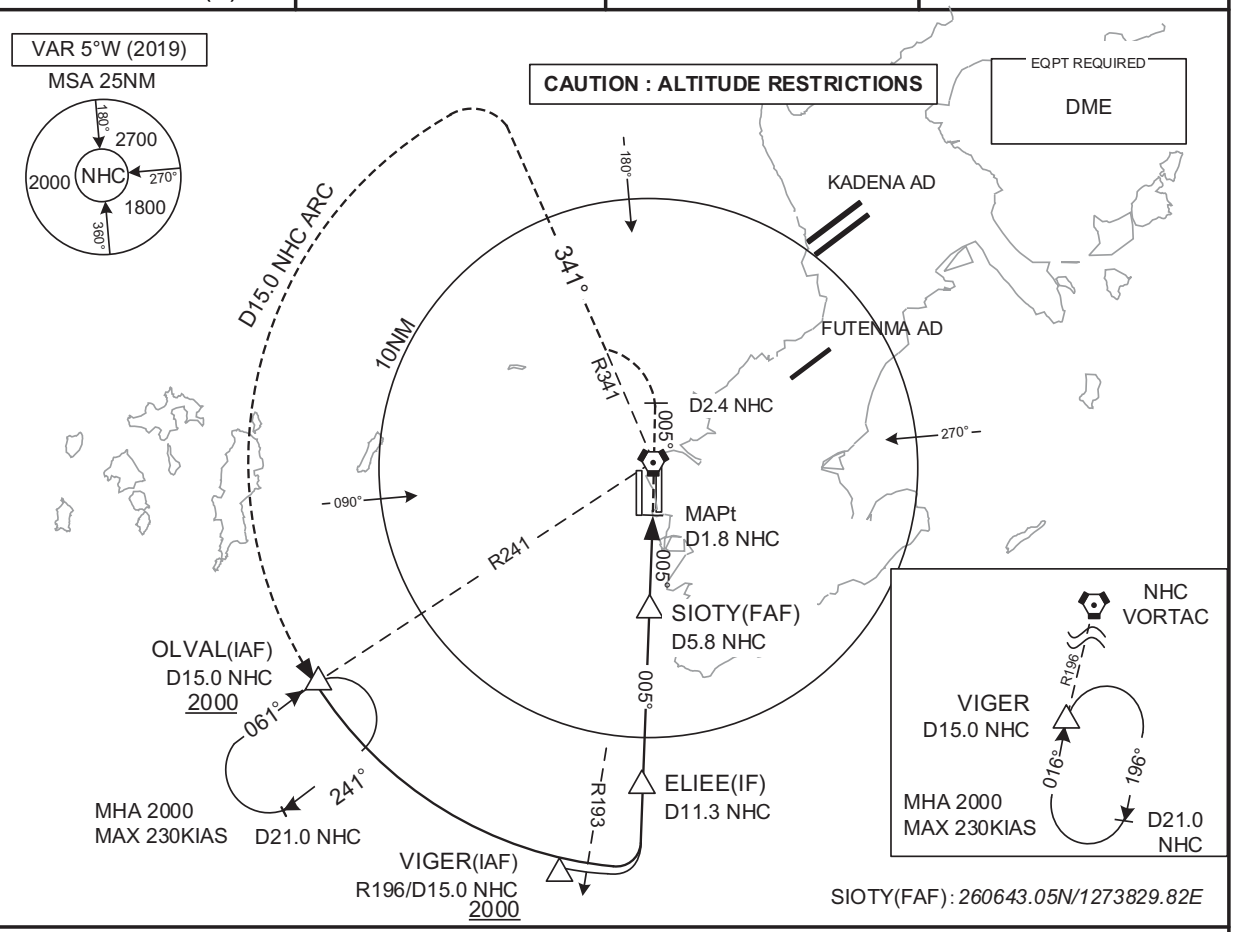
Circling to WEST side of RWY only.

CHANGE: New PROC

INSTRUMENT APPROACH CHART

ROAH / NAHA — VOR C

NAHA APP	NAHA VORTAC	NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	116.5 NHC CH–112X *26°12′31″N/127°38′34″E*	118.75 - 118.1 247.8 - 308.6	ATIS 127.8 - 293.0

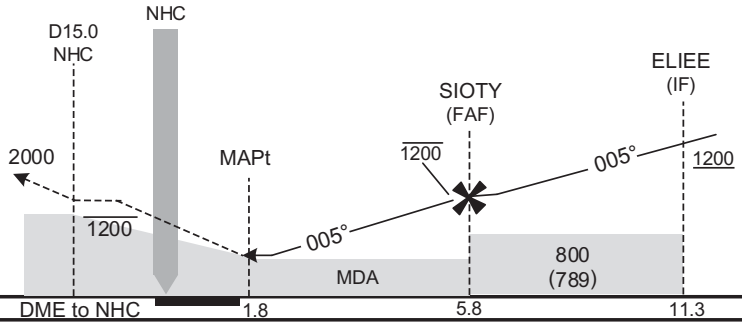


MISSED APPROACH

Climb to 1200FT via NHC R005 to NHC 2.4DME, turn left proceed via NHC R341 to NHC 15.0DME, climb to 2000FT via NHC 15.0 DME counterclockwise ARC to OLVAL and hold.

Contact NAHA APP.

Timing not authorized for defining the MAPt.



CHANGE: New PROC

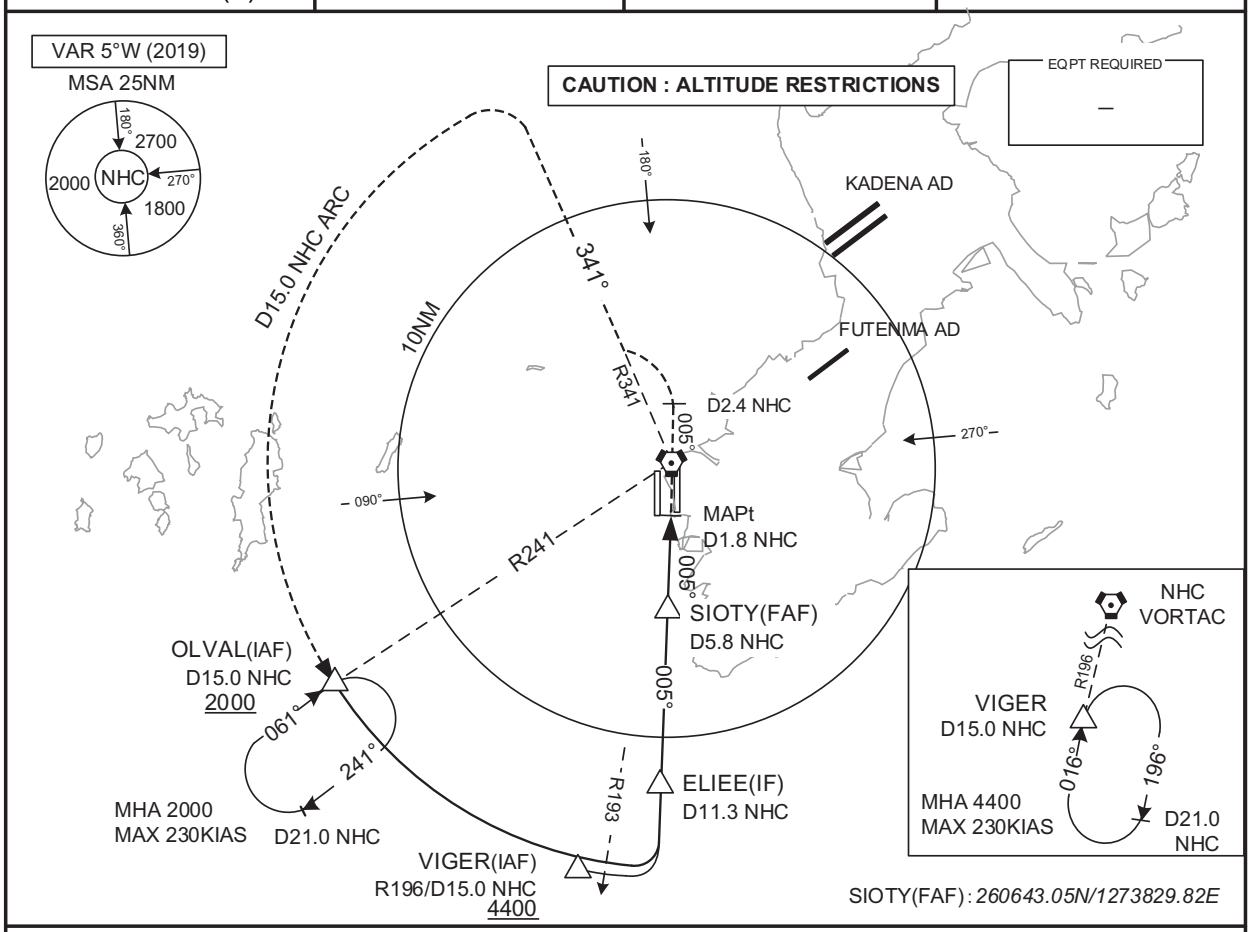
MINIMA		AD elev. 11
CAT	CIRCLING	
	MDA(H)	VIS
A	620 (609)	1600
B		
C		2400
D		3200

Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA — TACAN D

NAHA APP	NAHA VORTAC	NAHA TWR	RADAR AVBL
119.1 - 335.8(N) 126.5 - 258.3(S)	116.5 NHC CH–112X *26°12′31″N/127°38′34″E*	118.75 - 118.1 247.8 - 308.6	ATIS 127.8 - 293.0

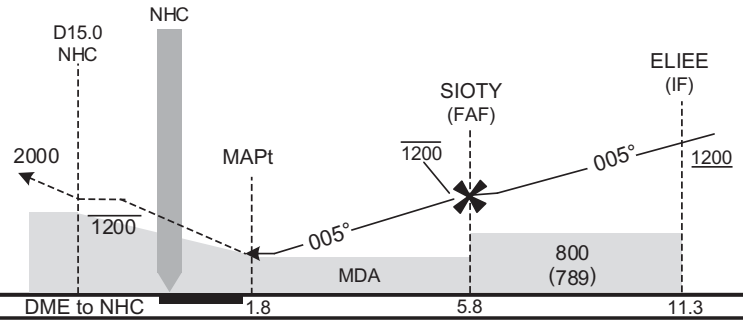


MISSED APPROACH

Climb to 1200FT via NHC R005 to NHC 2.4DME, turn left proceed via NHC R341 to NHC 15.0DME, climb to 2000FT via NHC 15.0 DME counterclockwise ARC to OLVAL and hold.

Contact NAHA APP.

Timing not authorized for defining the MAPt.

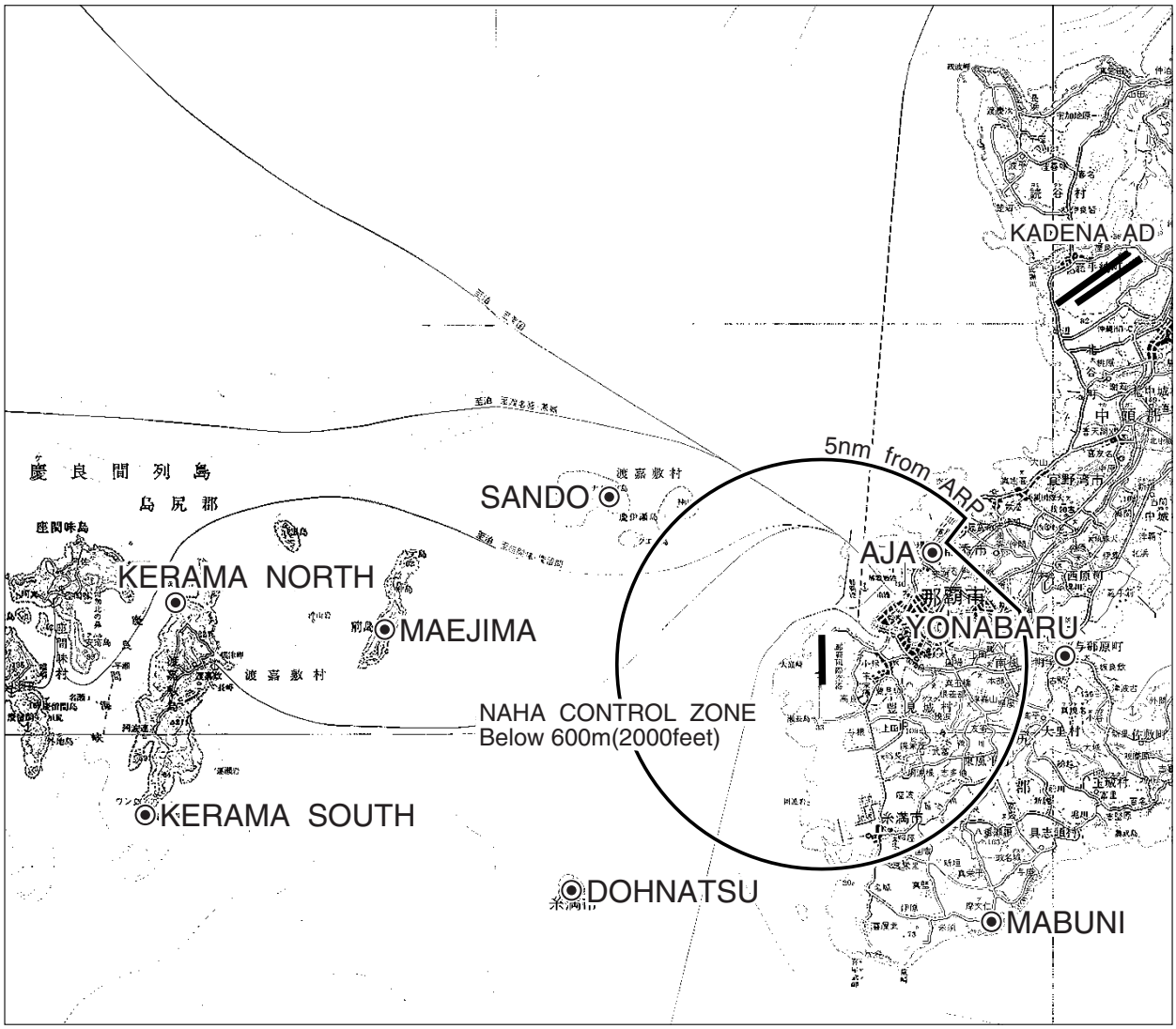


CHANGE: New PROC

MINIMA		AD elev. 11
CAT	CIRCLING	
	MDA(H)	VIS
A	700 (689)	1600
B		
C		2400
D		3200

Circling to WEST side of RWY only.

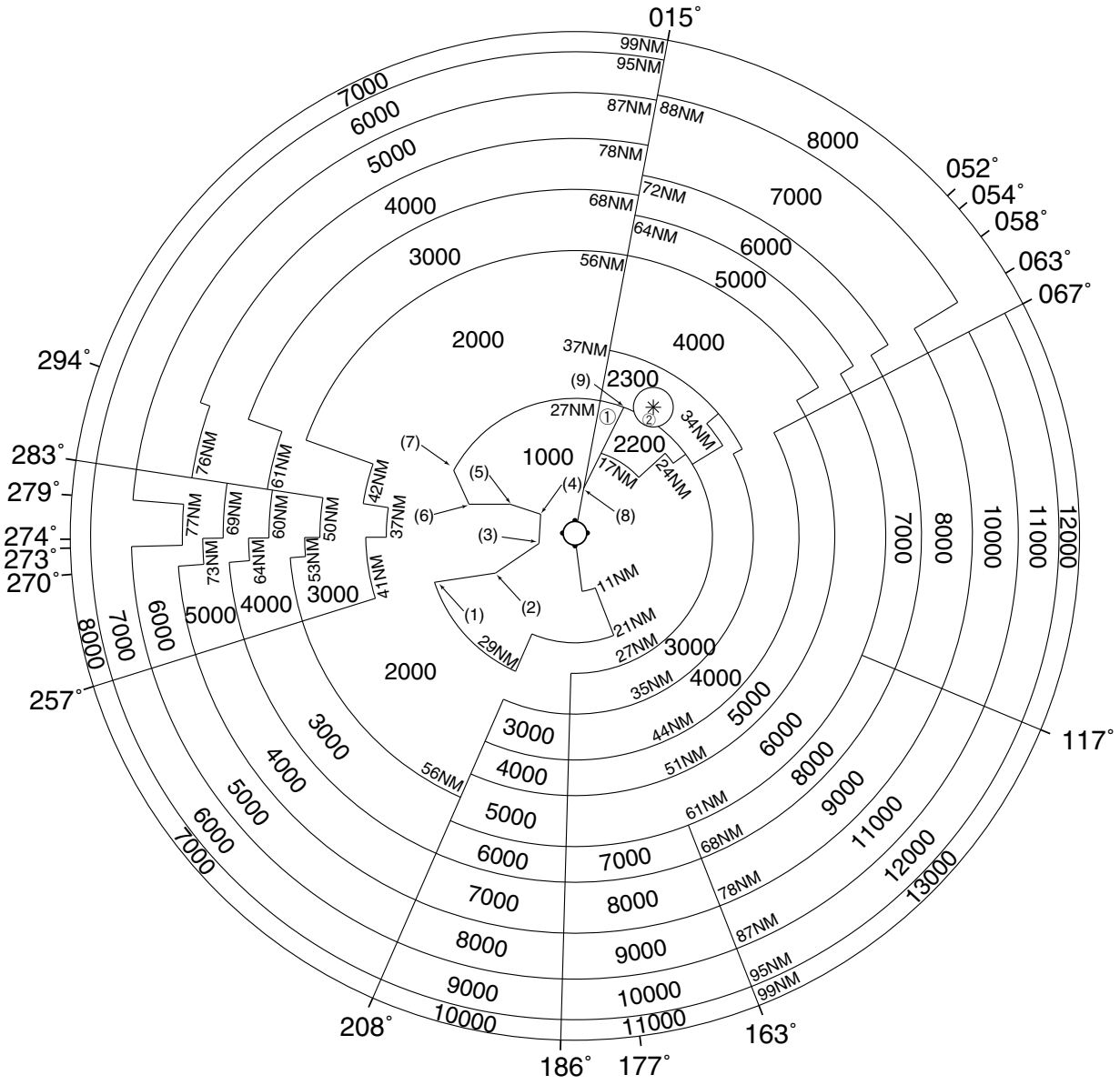
ROAH / NAHA Visual REP



Call sign	BRG / DIST from ARP	Remarks
サ ン ド Sando	310˚/ 6.7NM	ナガンヌ島 Island
前 島 Maejima	277˚/10.8NM	前島 Island
慶良間ノース Kerama North	277˚/15.5NM	渡嘉敷島北端 North edge of island
慶良間サウス Kerama South	258˚/16.5NM	渡嘉敷島南端 South edge of island
ド ー ナ ツ Dohnatsu	230˚/ 8.5NM	ルカン礁 Coral reef
摩 文 仁 Mabuni	150˚/ 7.4NM	平和祈念公園 Park
与 那 原 Yonabaru	090˚/ 6.2NM	国道329号線与那原交叉点 Intersection
安 謝 Aja	045˚/ 3.5NM	国道58号線安謝橋 Bridge

ROAH / NAHA Minimum Vectoring Altitude CHART

VAR 5˚W (2011)



① 1500
② 2600

(1) *260301N/1270807E*
(2) *260459N/1272121E*
(3) *261057N/1273045E*
(4) *261640N/1273102E*
(5) *261835N/1272422E*
(6) *261829N/1271524E*
(7) *262505N/1271157E*
(8) *262154N/1274025E*
(9) *263755N/1274900E*

CENTER: *261231N/1273834E* (NHC)
✳ : *263759N/1275528E*
RADIUS 3.9NM