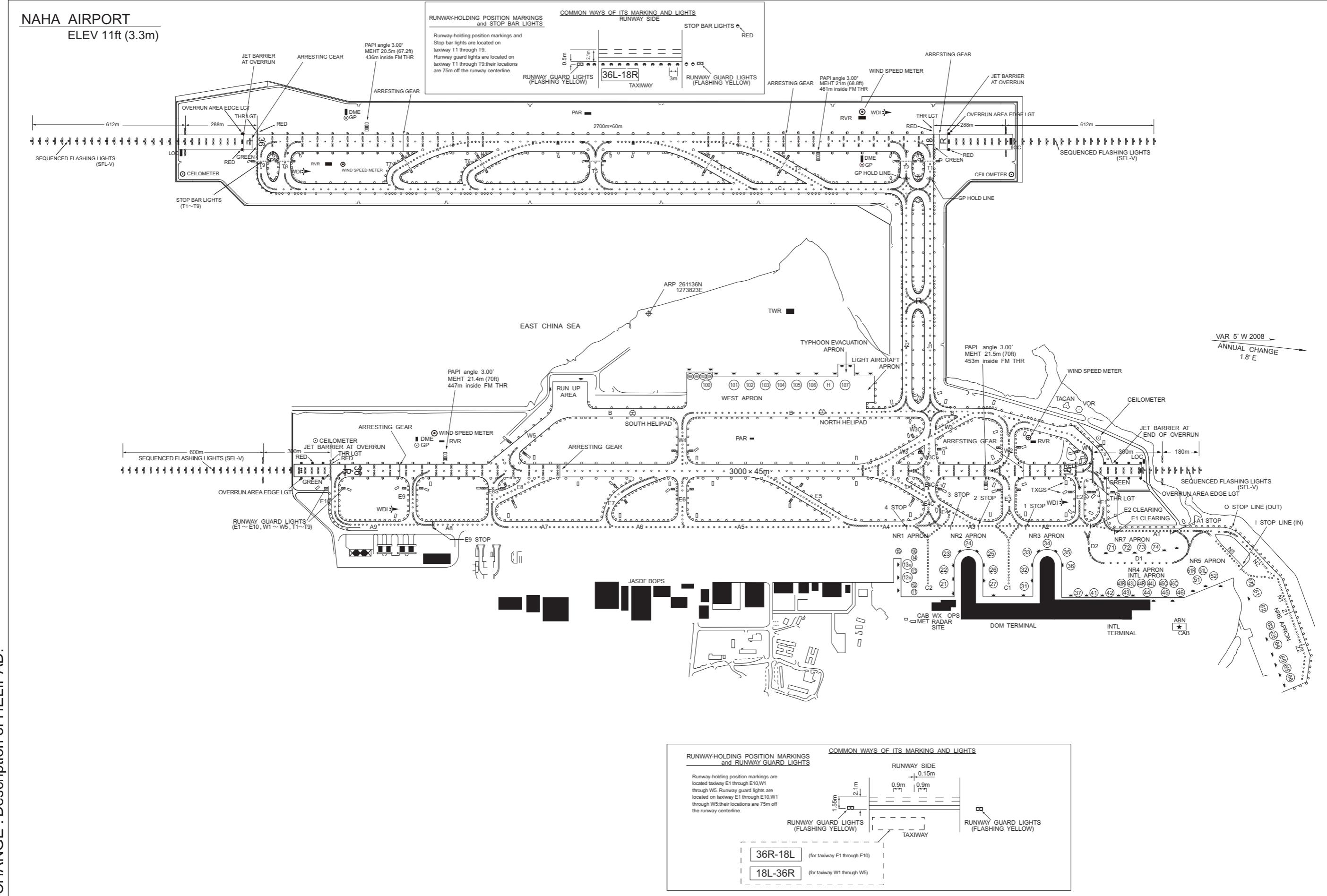
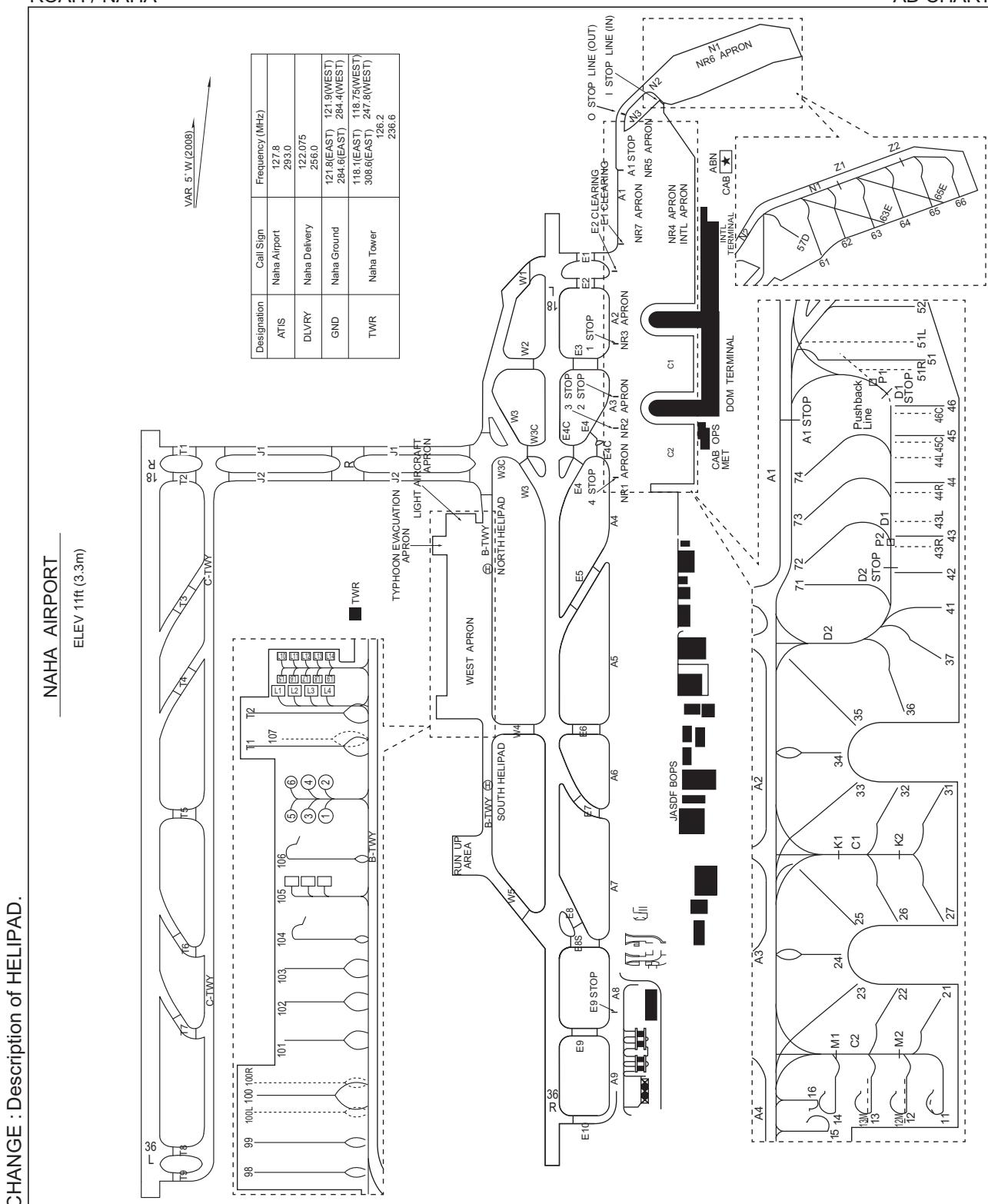


AERODROME CHART



ROAH / NAHA

AD CHART

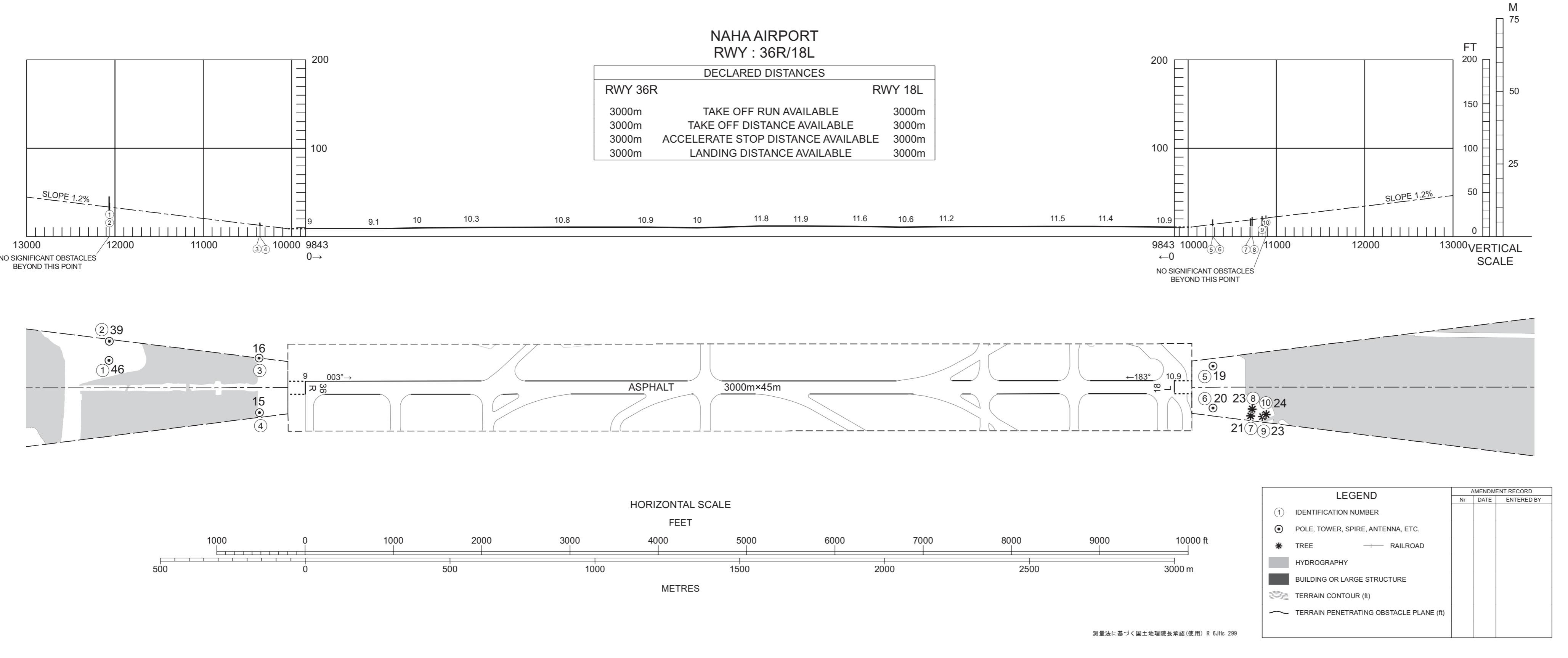


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DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC
Transverse Mercator Projection

AERODROME OBSTACLE CHART-ICAO TYPE A (OPERATING LIMITATIONS)

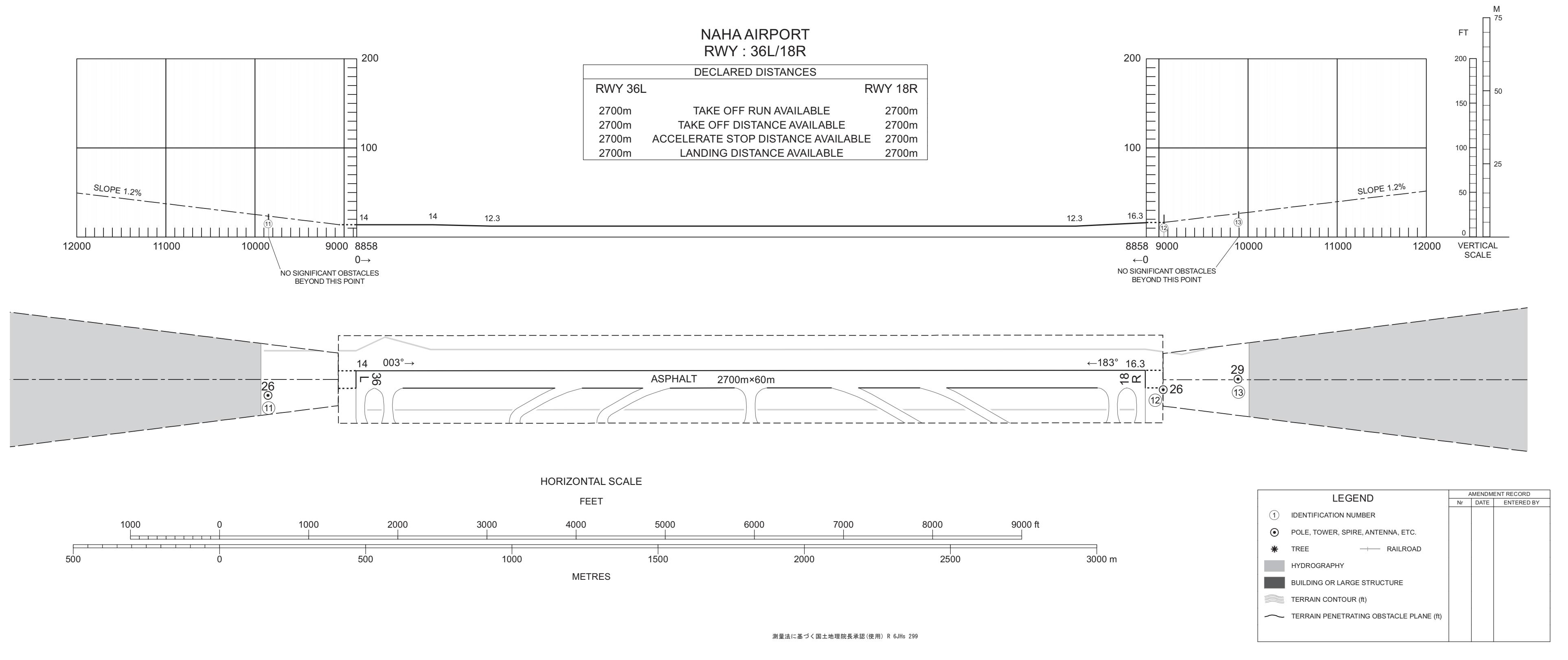
MAGNETIC VARIATION 6°W - SEP 2025



DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC
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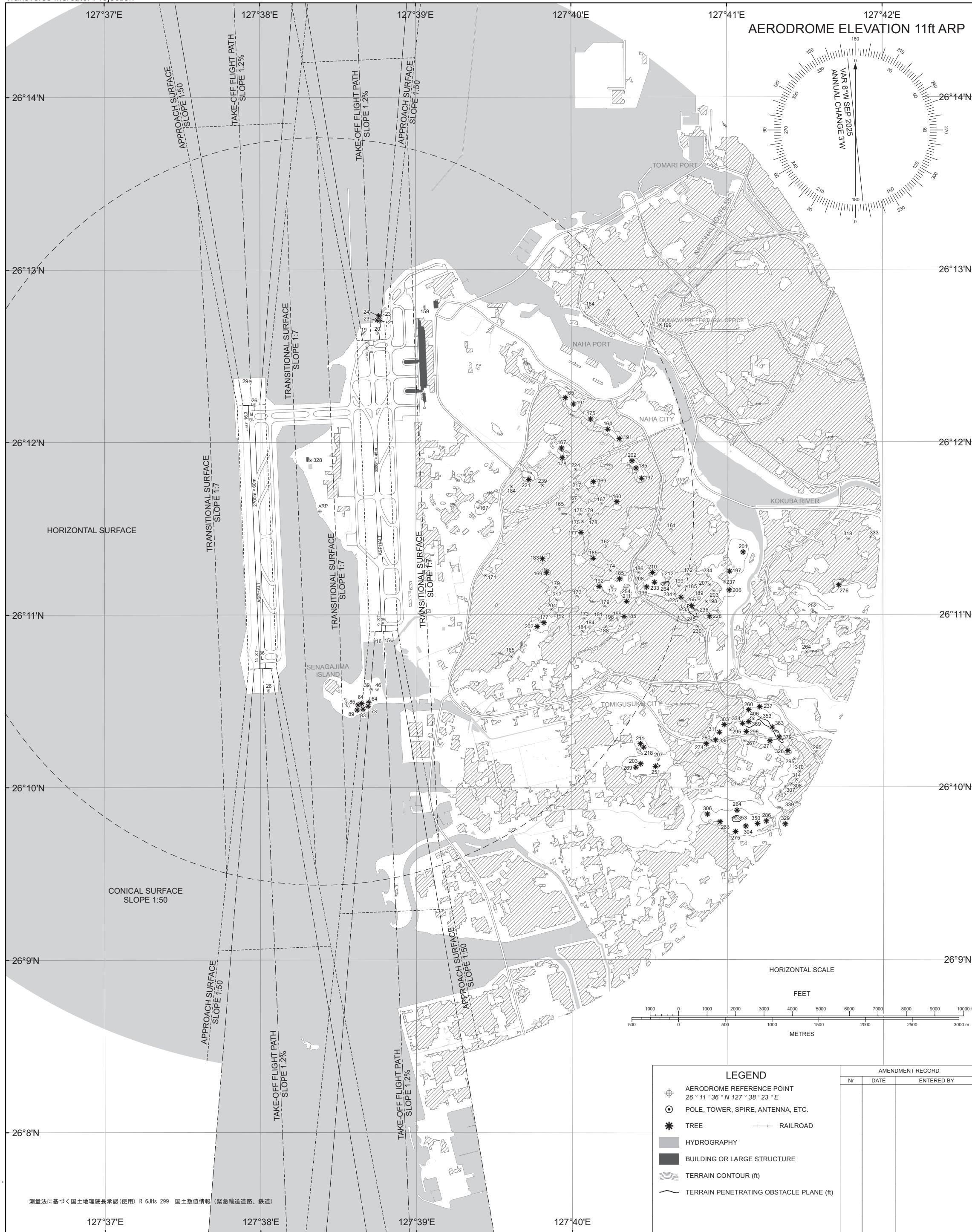
AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

MAGNETIC VARIATION 6°W - SEP 2025



DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC
Transverse Mercator Projection

AERODROME OBSTACLE CHART-ICAO TYPE B



CHANGE : Update.

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.

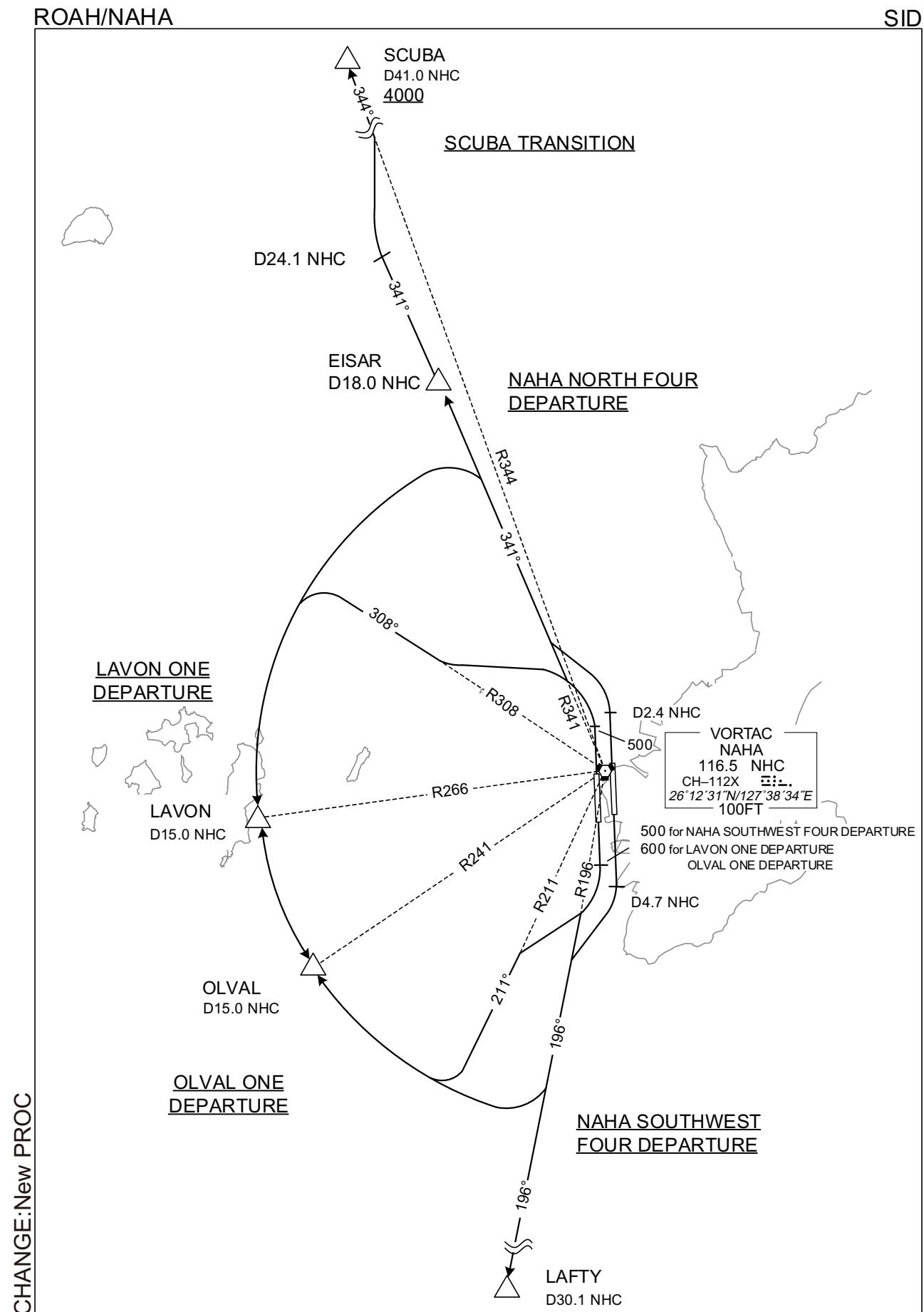
Note RWY36R/36L: 5.0% climb gradient required up to 500FT.

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



STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA

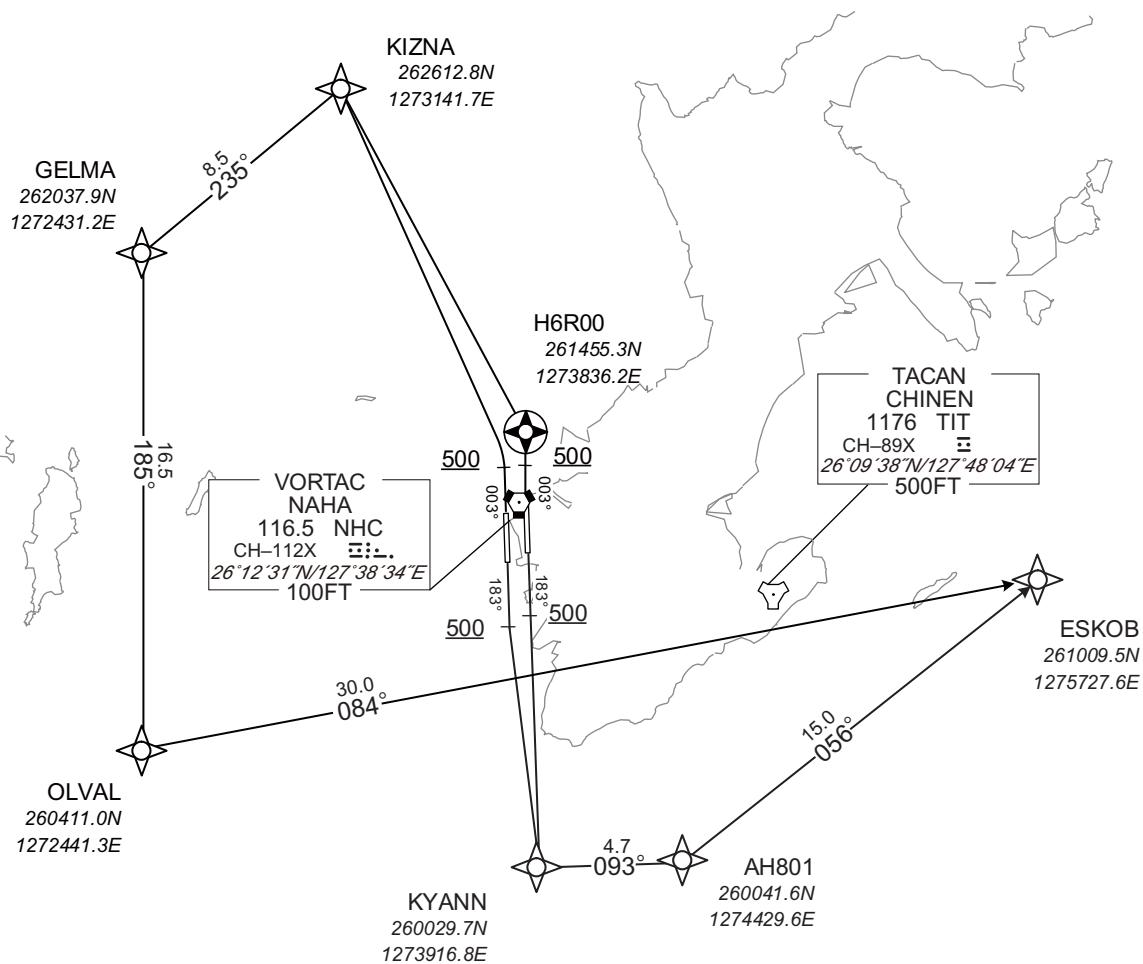
RNAV SID

ESKOB THREE DEPARTURE

RNP1

Note GNSS required.

VAR 6°W



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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 to 500FT.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/ NAHA

RNAV SID

ESKOB THREE 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	-	-	RNP1
002	DF	KYANN	-	-	-5.6	-	-	-	-	-	RNP1
003	TF	AH801	-	093 (087.6)	-5.6	4.7	-	-	-	-	RNP1
004	TF	ESKOB	-	056 (050.9)	-5.6	15.0	-	-	-	-	RNP1

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	-	-	RNP1
002	DF	KYANN	-	-	-5.6	-	-	-	-	-	RNP1
003	TF	AH801	-	093 (087.6)	-5.6	4.7	-	-	-	-	RNP1
004	TF	ESKOB	-	056 (050.9)	-5.6	15.0	-	-	-	-	RNP1

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	-	-	RNP1
002	DF	H6R00	Y	-	-5.6	-	-	-	-	-	RNP1
003	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNP1
004	TF	GELMA	-	235 (229.0)	-5.6	8.5	-	-	-	-	RNP1
005	TF	OLVAL	-	185 (179.5)	-5.6	16.5	-	-	-	-	RNP1
006	TF	ESKOB	-	084 (078.4)	-5.6	30.0	-	-	-	-	RNP1

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	-	-	RNP1
002	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNP1
003	TF	GELMA	-	235 (229.0)	-5.6	8.5	-	-	-	-	RNP1
004	TF	OLVAL	-	185 (179.5)	-5.6	16.5	-	-	-	-	RNP1
005	TF	ESKOB	-	084 (078.4)	-5.6	30.0	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA	RNAV TRANSITION
	AMAMI TRANSITION / CHERY TRANSITION / YANBARU TRANSITION
Note GNSS required.	
VAR 6°W	
<p>AMAMI TRANSITION From ESKOB, to ADDAN, to CHERY, to AMAMI. Course: 034°, 051°, 23.7°, 031°, 36.3°, 031°, 034°, 103.3°, 034°.</p> <p>CHERY TRANSITION From ESKOB, to ADDAN, to CHERY. Course: 031°, 051°, 23.7°.</p> <p>YANBARU TRANSITION From ESKOB, to ADDAN. Course: 031°, 051°, 23.7°, 031°, 36.3°.</p> <p>CHANGE : Navigation Specification(Basic RNP1 → RNP1).</p>	

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	-	-	-	-	-	RNP1
002	TF	ADDAN	-	037 (031.2)	-5.6	36.3	-	-	-	-	RNP1
003	TF	CHERY	-	057 (051.4)	-5.6	23.7	-	-	-	-	RNP1
004	TF	AMAMI	-	034 (028.3)	-5.6	103.3	-	-	-	-	RNP1

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	-	-	-	-	-	RNP1
002	TF	ADDAN	-	037 (031.2)	-5.6	36.3	-	-	-	-	RNP1
003	TF	CHERY	-	057 (051.4)	-5.6	23.7	-	-	-	-	RNP1

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	-	-	-	-	-	RNP1
002	TF	ADDAN	-	037 (031.2)	-5.6	36.3	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA

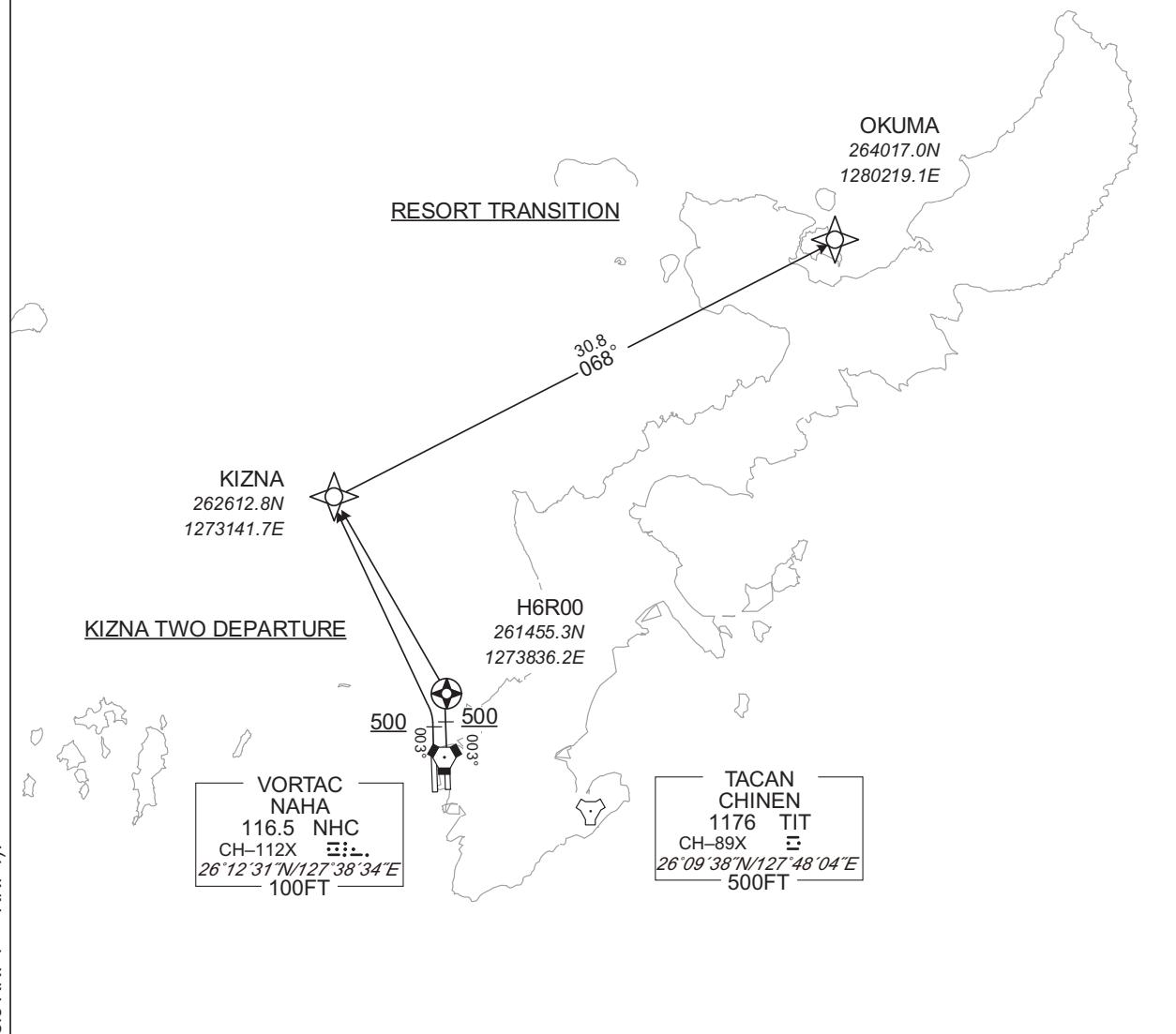
RNAV SID and TRANSITION

KIZNA TWO DEPARTURE
RESORT TRANSITION

RNP1

Note GNSS required.

VAR 6°W



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

KIZNA TWO 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.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/ NAHA

RNAV SID and TRANSITION

KIZNA TWO 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	-	-	RNP1
002	DF	H6R00	Y	-	-5.6	-	-	-	-	-	RNP1
003	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNP1

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	-	-	RNP1
002	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNP1

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	-	-	-	-	-	RNP1
002	TF	OKUMA	-	068 (062.7)	-5.6	30.8	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA

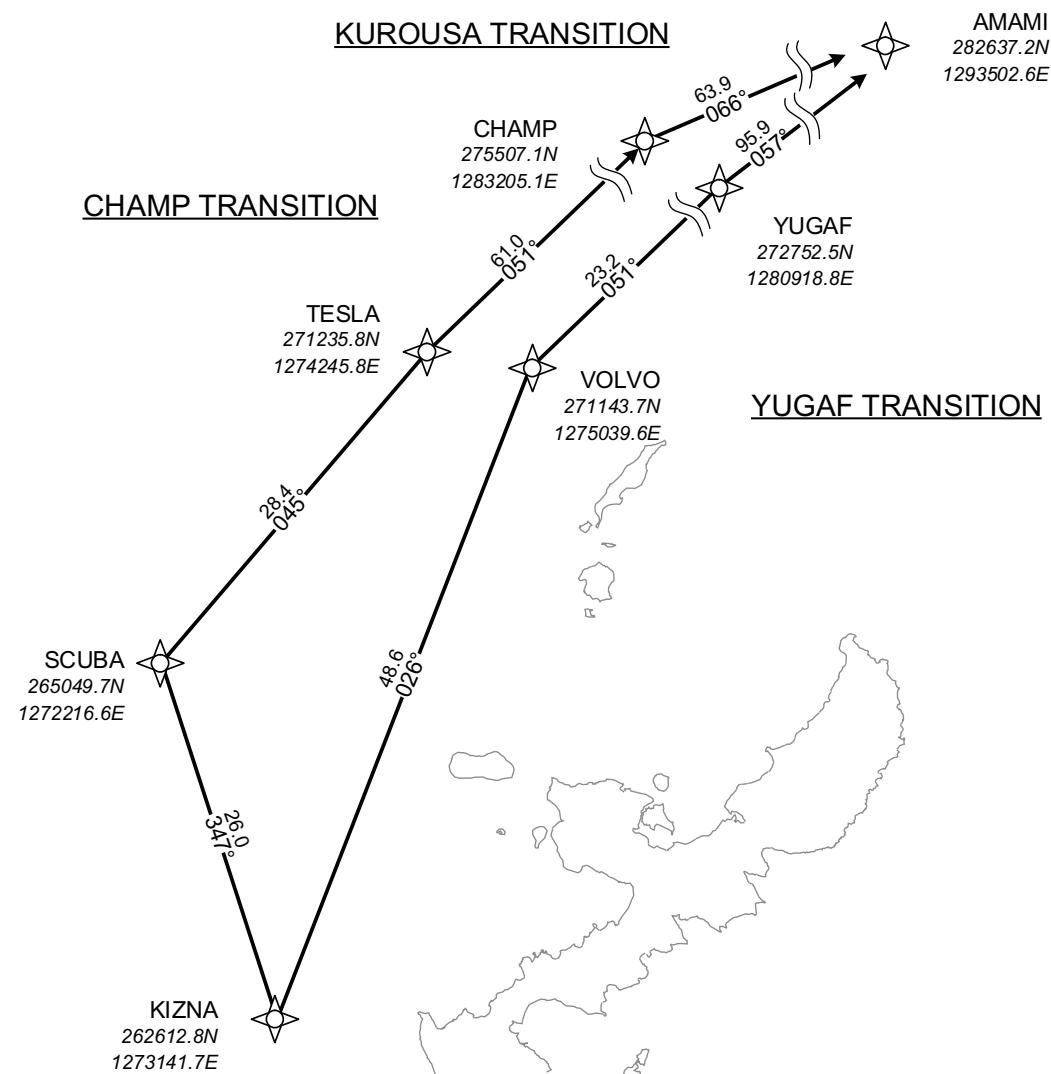
RNAV TRANSITION

KUROUSA TRANSITION
CHAMP TRANSITION
YUGAF TRANSITION

RNP1

Note GNSS required.

VAR 6°W



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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	-	-	-	-	-	RNP1
002	TF	SCUBA	-	347 (341.2)	-5.6	26.0	-	-	-	-	RNP1
003	TF	TESLA	-	045 (039.9)	-5.6	28.4	-	-	-	-	RNP1
004	TF	CHAMP	-	051 (045.6)	-5.6	61.0	-	-	-	-	RNP1
005	TF	AMAMI	-	066 (060.2)	-5.6	63.9	-	-	-	-	RNP1

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	-	-	-	-	-	RNP1
002	TF	SCUBA	-	347 (341.2)	-5.6	26.0	-	-	-	-	RNP1
003	TF	TESLA	-	045 (039.9)	-5.6	28.4	-	-	-	-	RNP1
004	TF	CHAMP	-	051 (045.6)	-5.6	61.0	-	-	-	-	RNP1

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	-	-	-	-	-	RNP1
002	TF	VOLVO	-	026 (020.3)	-5.6	48.6	-	-	-	-	RNP1
003	TF	YUGAF	-	051 (045.7)	-5.6	23.2	-	-	-	-	RNP1
004	TF	AMAMI	-	057 (051.9)	-5.6	95.9	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART-INSTRUMENT

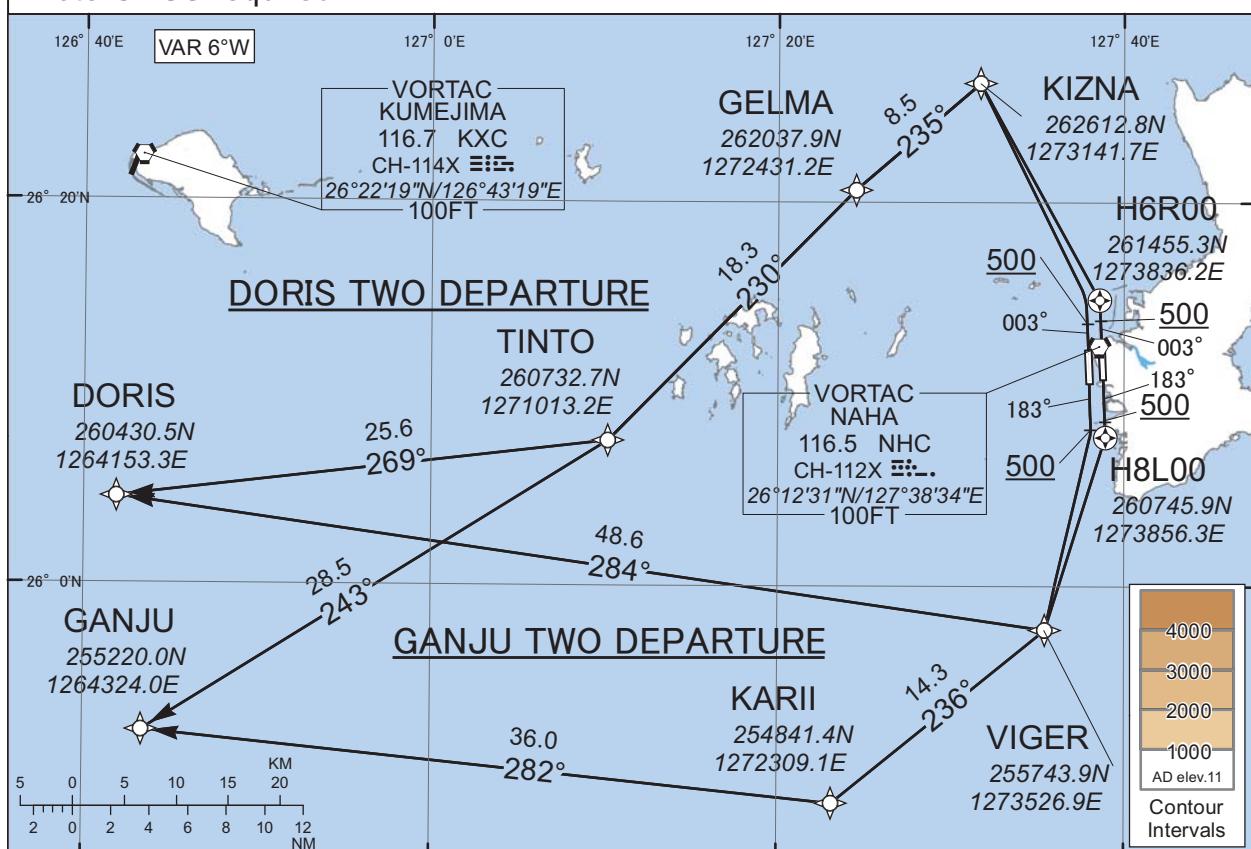
ROAH / NAHA

RNAV SID

DORIS TWO DEPARTURE / GANJU TWO DEPARTURE

RNP1

Note GNSS required.

**DORIS TWO 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 TWO DEPARTURERWY18L : 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.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH / NAHA

RNAV SID

DORIS 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	-	-	RNP1
002	DF	H8L00	Y	-	-5.6	-	-	-	-	-	RNP1
003	DF	VIGER	-	-	-5.6	-	R	-	-	-	RNP1
004	TF	DORIS	-	284 (278.2)	-5.6	48.6	-	-	-	-	RNP1

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	-	-	RNP1
002	DF	VIGER	-	-	-5.6	-	R	-	-	-	RNP1
003	TF	DORIS	-	284 (278.2)	-5.6	48.6	-	-	-	-	RNP1

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	-	-	RNP1
002	DF	H6R00	Y	-	-5.6	-	-	-	-	-	RNP1
003	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNP1
004	TF	GELMA	-	235 (229.0)	-5.6	8.5	-	-	-	-	RNP1
005	TF	TINTO	-	230 (224.5)	-5.6	18.3	-	-	-	-	RNP1
006	TF	DORIS	-	269 (263.3)	-5.6	25.6	-	-	-	-	RNP1

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	-	-	RNP1
002	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNP1
003	TF	GELMA	-	235 (229.0)	-5.6	8.5	-	-	-	-	RNP1
004	TF	TINTO	-	230 (224.5)	-5.6	18.3	-	-	-	-	RNP1
005	TF	DORIS	-	269 (263.3)	-5.6	25.6	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1)

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH / NAHA

RNAV SID

GANJU 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	-	-	RNP1
002	DF	H8L00	Y	-	-5.6	-	-	-	-	-	RNP1
003	DF	VIGER	-	-	-5.6	-	R	-	-	-	RNP1
004	TF	KARII	-	236 (230.8)	-5.6	14.3	-	-	-	-	RNP1
005	TF	GANJU	-	282 (276.0)	-5.6	36.0	-	-	-	-	RNP1

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	-	-	RNP1
002	DF	VIGER	-	-	-5.6	-	R	-	-	-	RNP1
003	TF	KARII	-	236 (230.8)	-5.6	14.3	-	-	-	-	RNP1
004	TF	GANJU	-	282 (276.0)	-5.6	36.0	-	-	-	-	RNP1

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	-	-	RNP1
002	DF	H6R00	Y	-	-5.6	-	-	-	-	-	RNP1
003	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNP1
004	TF	GELMA	-	235 (229.0)	-5.6	8.5	-	-	-	-	RNP1
005	TF	TINTO	-	230 (224.5)	-5.6	18.3	-	-	-	-	RNP1
006	TF	GANJU	-	243 (237.8)	-5.6	28.5	-	-	-	-	RNP1

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	-	-	RNP1
002	DF	KIZNA	-	-	-5.6	-	L	-	-	-	RNP1
003	TF	GELMA	-	235 (229.0)	-5.6	8.5	-	-	-	-	RNP1
004	TF	TINTO	-	230 (224.5)	-5.6	18.3	-	-	-	-	RNP1
005	TF	GANJU	-	243 (237.8)	-5.6	28.5	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1)

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.

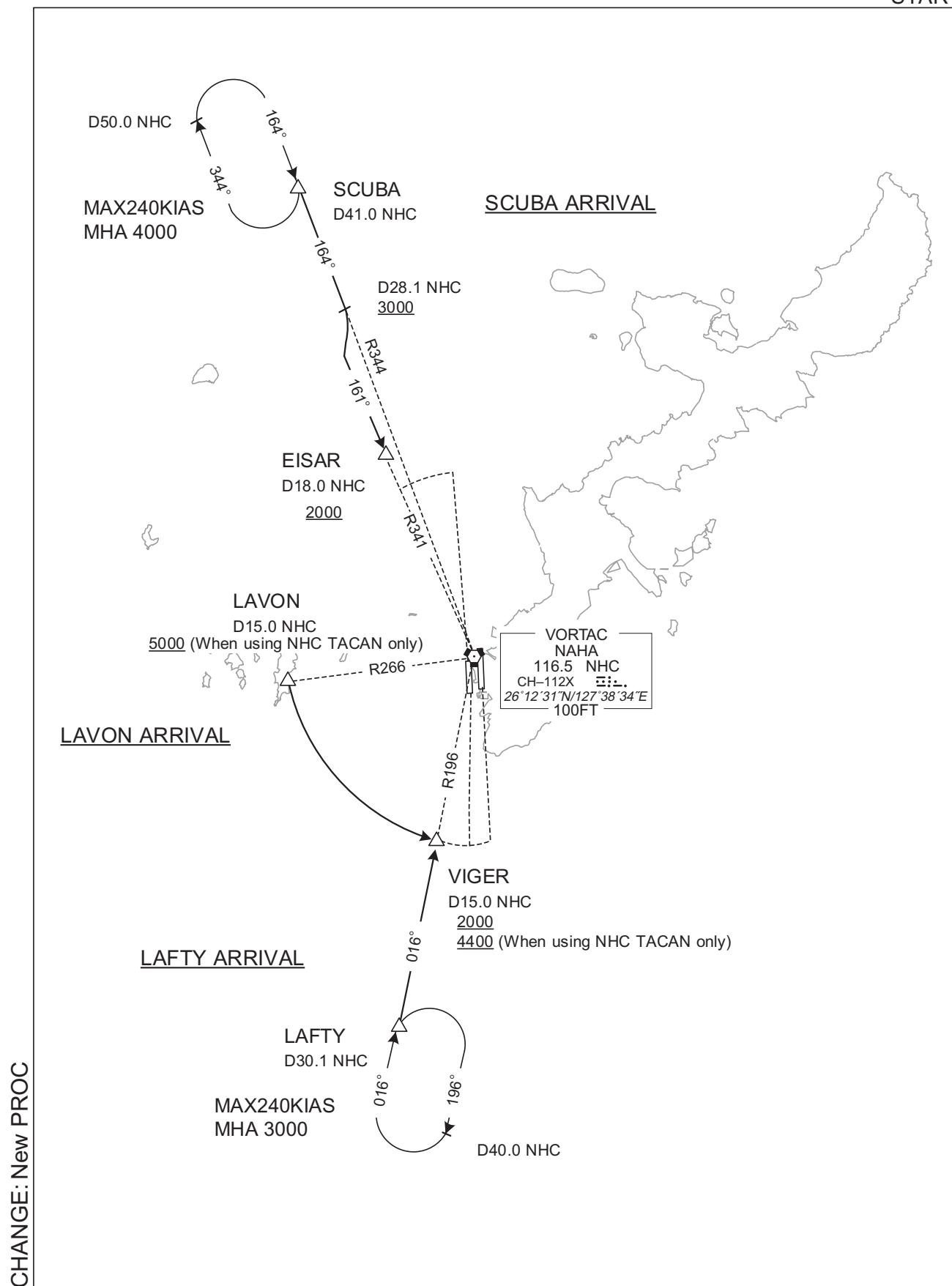
Cross VIGER at or above 4400FT.

CHANGE: New PROC

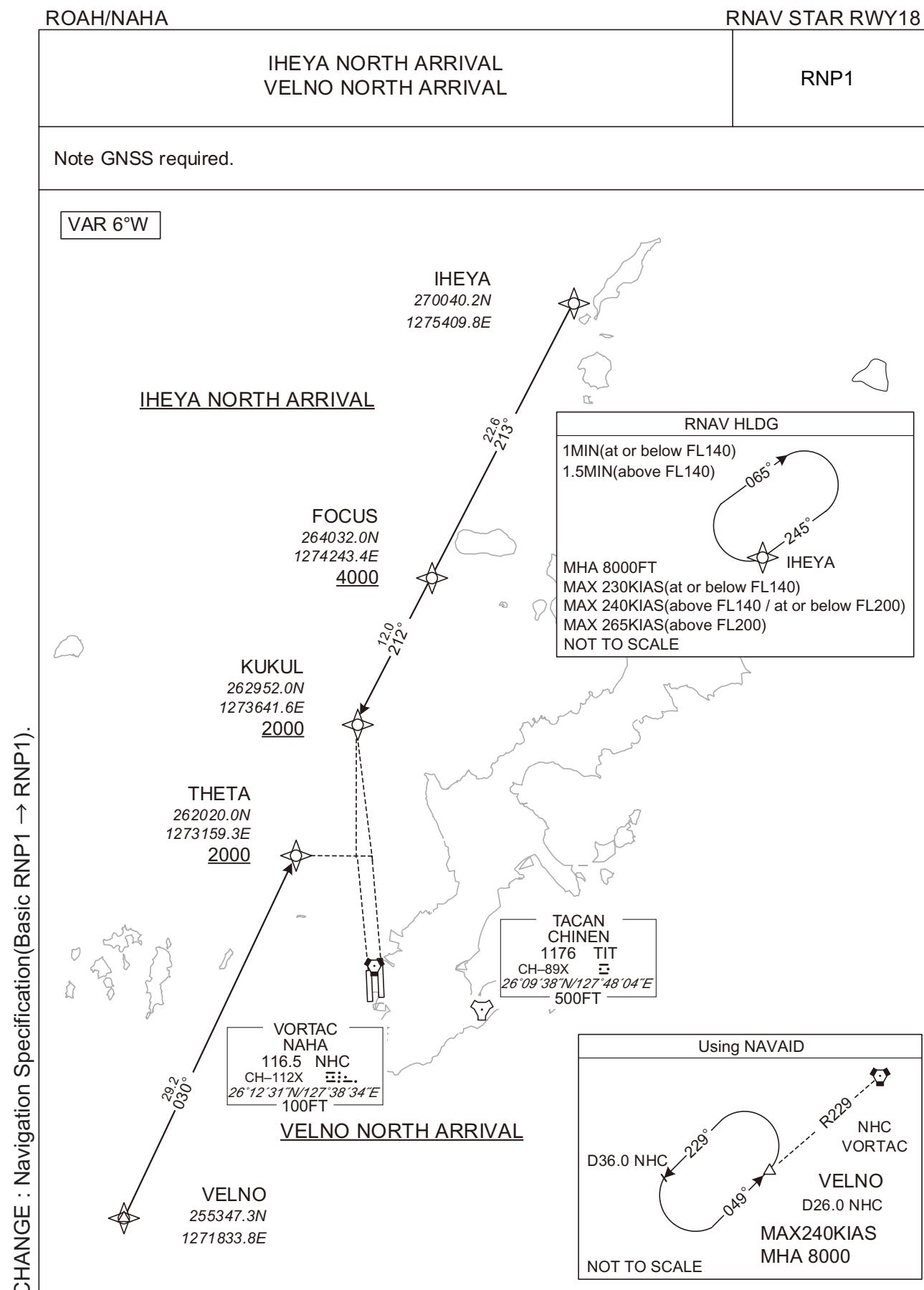
STANDARD ARRIVAL CHART-INSTRUMENT

ROAH/NAHA

STAR



STANDARD ARRIVAL CHART-INSTRUMENT



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.

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	-	-	-	-	-	RNP1
002	TF	FOCUS	-	213 (206.9)	-5.6	22.6	-	+4000	-	-	RNP1
003	TF	KUKUL	-	212 (206.8)	-5.6	12.0	-	+2000	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	IHEYA	245 (239.1)	-5.8	1.0 (-14000) 1.5 (+14001)	R	8000	-	-230 (-14000) -240 (14001-20000) -265 (+20001)	RNP1

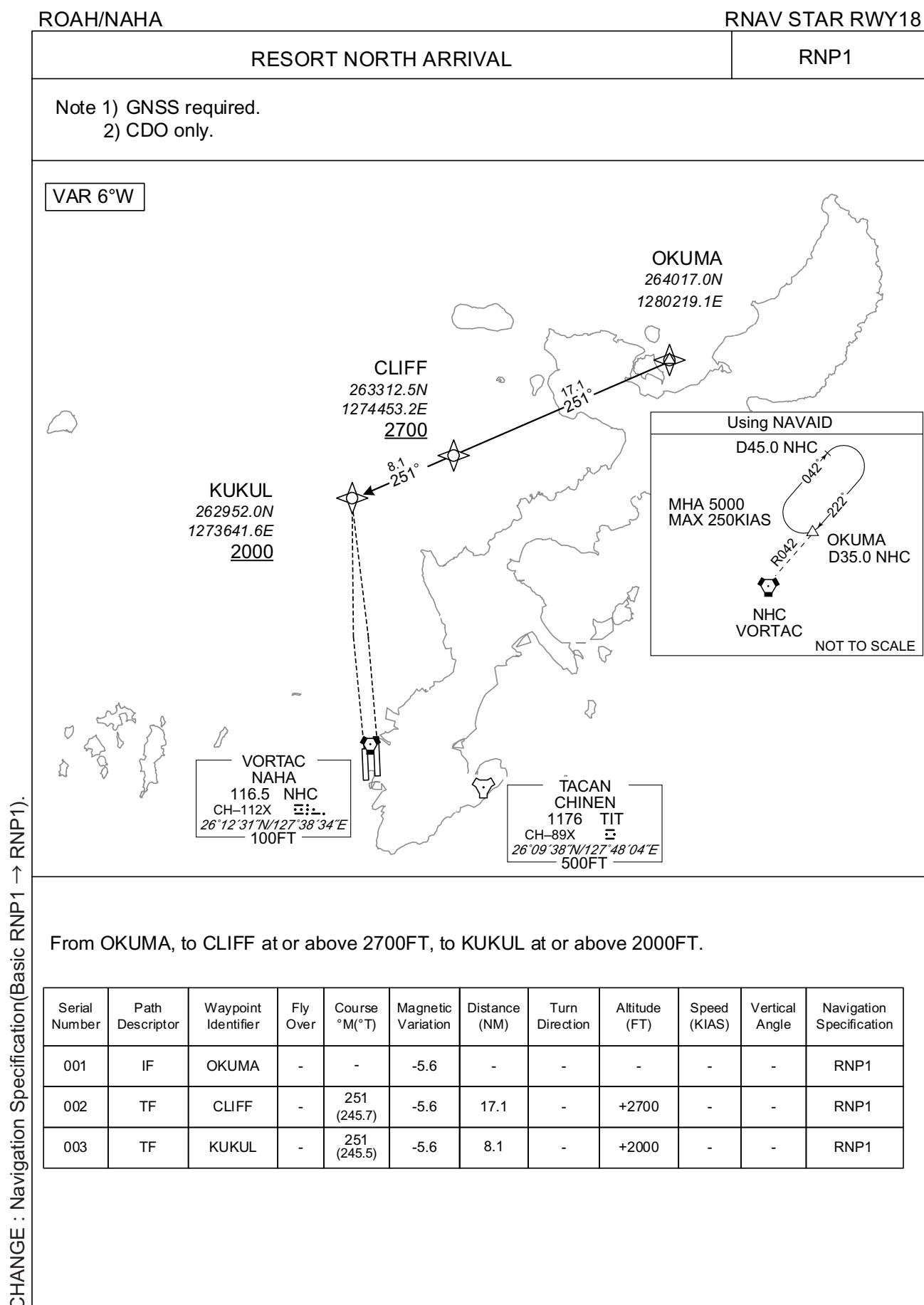
VELNO NORTH ARRIVAL

From VELNO, 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	VELNO	-	-	-5.6	-	-	-	-	-	RNP1
002	TF	THETA	-	030 (024.4)	-5.6	29.2	-	+2000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1)

STANDARD ARRIVAL CHART-INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT

ROAH/NAHA

RNAV STAR RWY18

GUPTI NORTH ARRIVAL
ENTOK NORTH ARRIVAL

RNP1

Note 1) GNSS required. 2) CDO only.

VAR 6°W

GUPTI
290124.5N
1280918.7E
FL200GUPTI NORTH ARRIVALENTOK
261914.3N
1245953.8E
FL170YEEZY
262018.1N
1265032.5E
2100THETA
262020.0N
1273159.3E
2000VORTAC
NAHA
116.5 NHC
CH-112X 100FT
26°12'31"N/127°38'34"ETACAN
CHINEN
1176 TIT
CH-89X 26°09'38"N/127°48'04"E
500FTENTOK NORTH ARRIVAL

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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	-	-	RNP1
002	TF	IHEYA	-	192 (186.4)	-5.6	121.6	-	-	-	-	RNP1
003	TF	KUKUL	-	213 (206.9)	-5.6	34.6	-	+2000	-	-	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	-	-	RNP1
002	TF	YEEZY	-	095 (089.0)	-5.6	99.2	-	+2100	-	-	RNP1
003	TF	THETA	-	095 (089.8)	-5.6	37.2	-	+2000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT

ROAH/NAHA

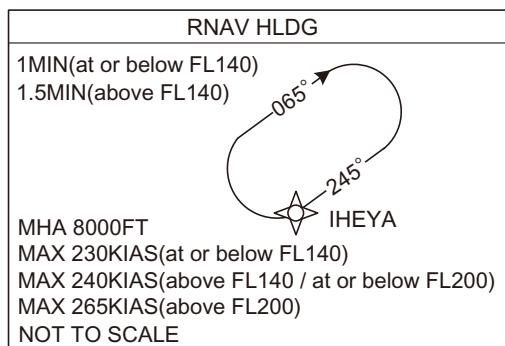
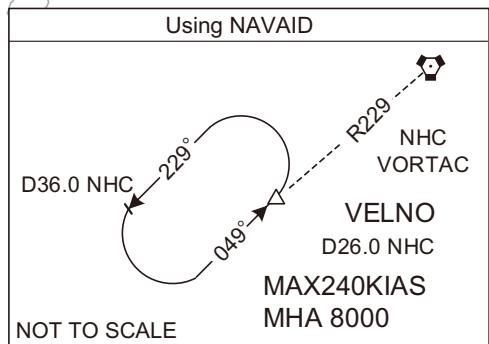
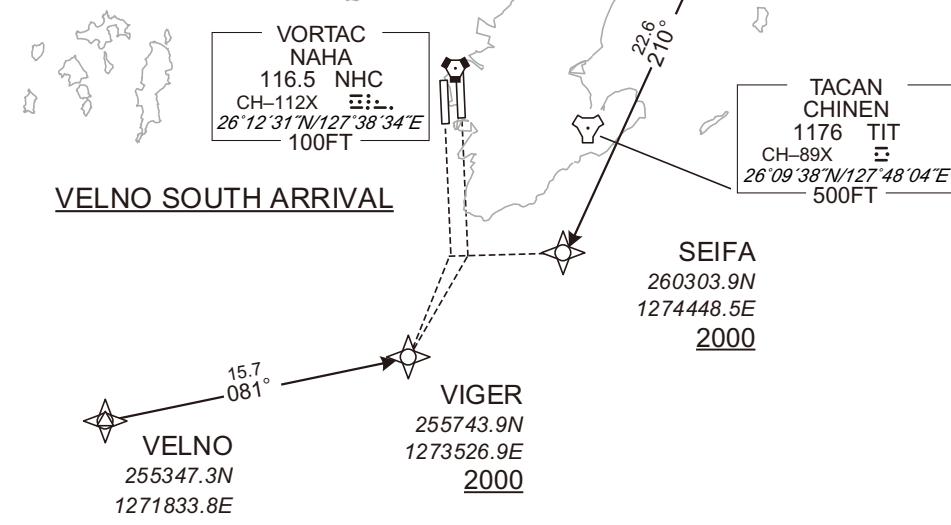
RNAV STAR RWY36

IHEYA SOUTH ARRIVAL
VELNO SOUTH ARRIVAL

RNP1

Note GNSS required.

VAR 6°W

IHEYA
270040.2N
1275409.8EIHEYA SOUTH ARRIVALHASSA
262334.1N
1275516.0E
11000

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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.

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	-	-	-	-	-	RNP1
002	TF	HASSA	-	184 (178.5)	-5.6	37.1	-	+11000	-	-	RNP1
003	TF	SEIFA	-	210 (204.6)	-5.6	22.6	-	+2000	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	IHEYA	245 (239.1)	-5.8	1.0 (-14000) 1.5 (+14001)	R	8000	-	-230 (-14000) -240 (14001-20000) -265 (+20001)	RNP1

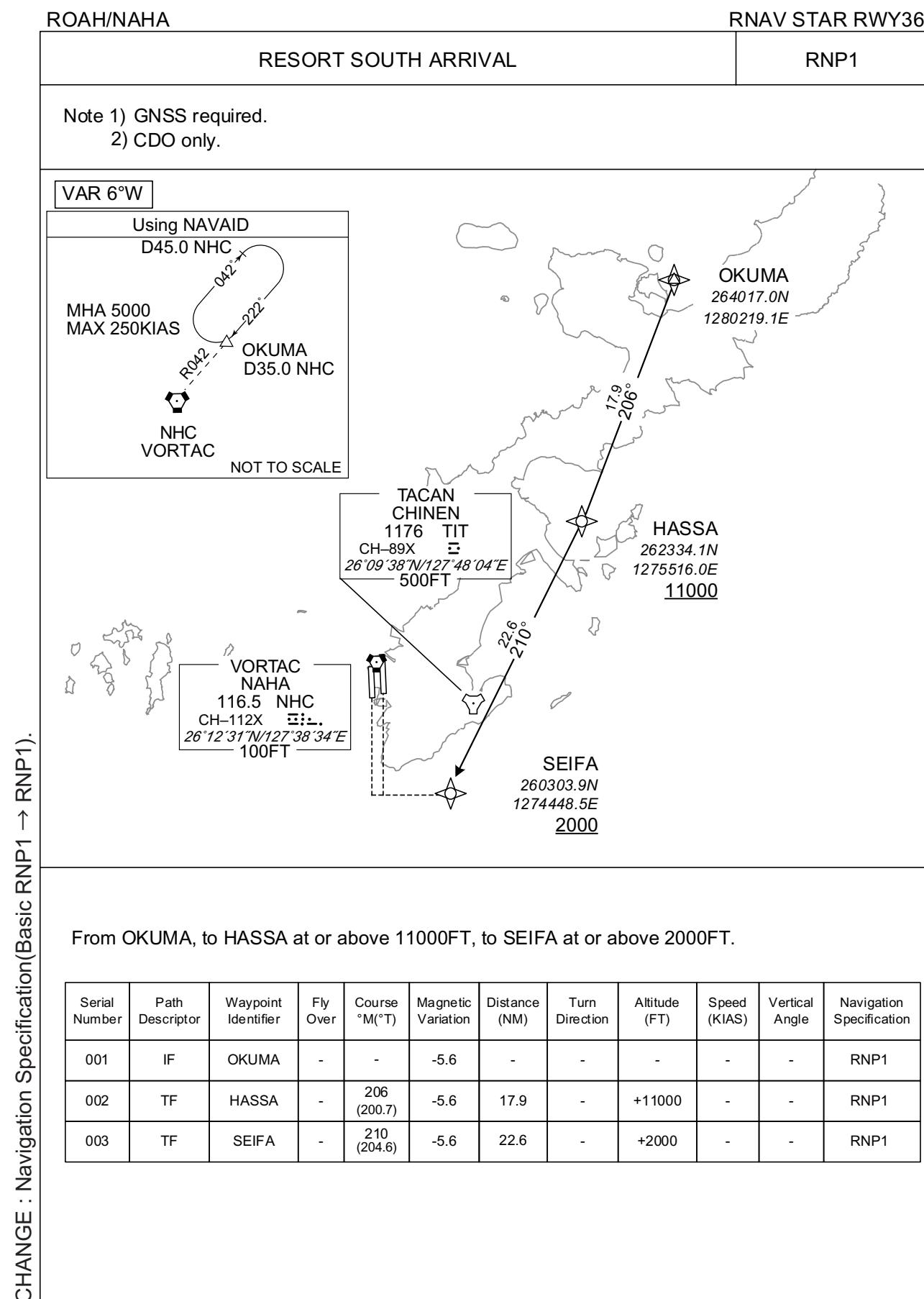
VELNO SOUTH ARRIVAL

From VELNO, 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	VELNO	-	-	-5.6	-	-	-	-	-	RNP1
002	TF	VIGER	-	081 (075.4)	-5.6	15.7	-	+2000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT

ROAH/NAHA

RNAV STAR RWY36

GUPTI SOUTH ARRIVAL
ENTOK SOUTH ARRIVAL

RNP1

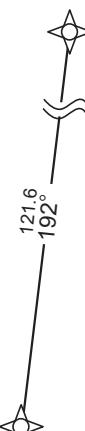
Note 1) GNSS required. 2) CDO only.

VAR 6°W

GUPTI
290124.5N
1280918.7E
FL200

GUPTI SOUTH ARRIVAL

IHEYA
270040.2N
1275409.8E



ENTOK SOUTH ARRIVAL

TACAN
CHINEN
1176 TIT
CH-89X
26°09'38"N/127°48'04"E
500FT

HASSA
262334.1N
1275516.0E
11000

VORTAC
NAHA
116.5 NHC
CH-112X
26°12'31"N/127°38'34"E
100FT

SEIFA
260303.9N
1274448.5E
2000

ENTOK
261914.3N
1245953.8E
FL170

VIGER
255743.9N
1273526.9E
2000

CHANGE : Navigation Specification(Basic RNP1 → RNP1)

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

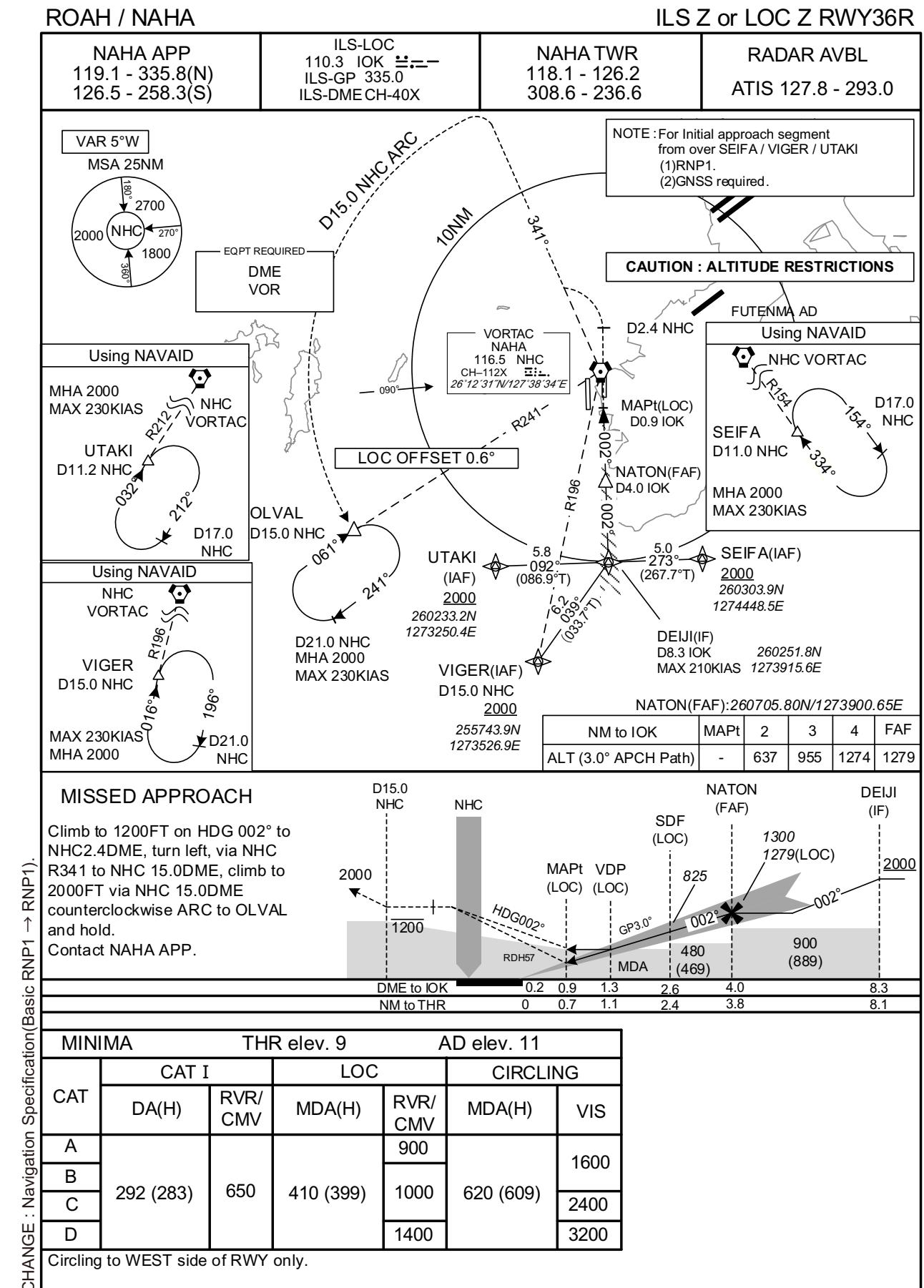
ENTOK SOUTH ARRIVAL

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

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

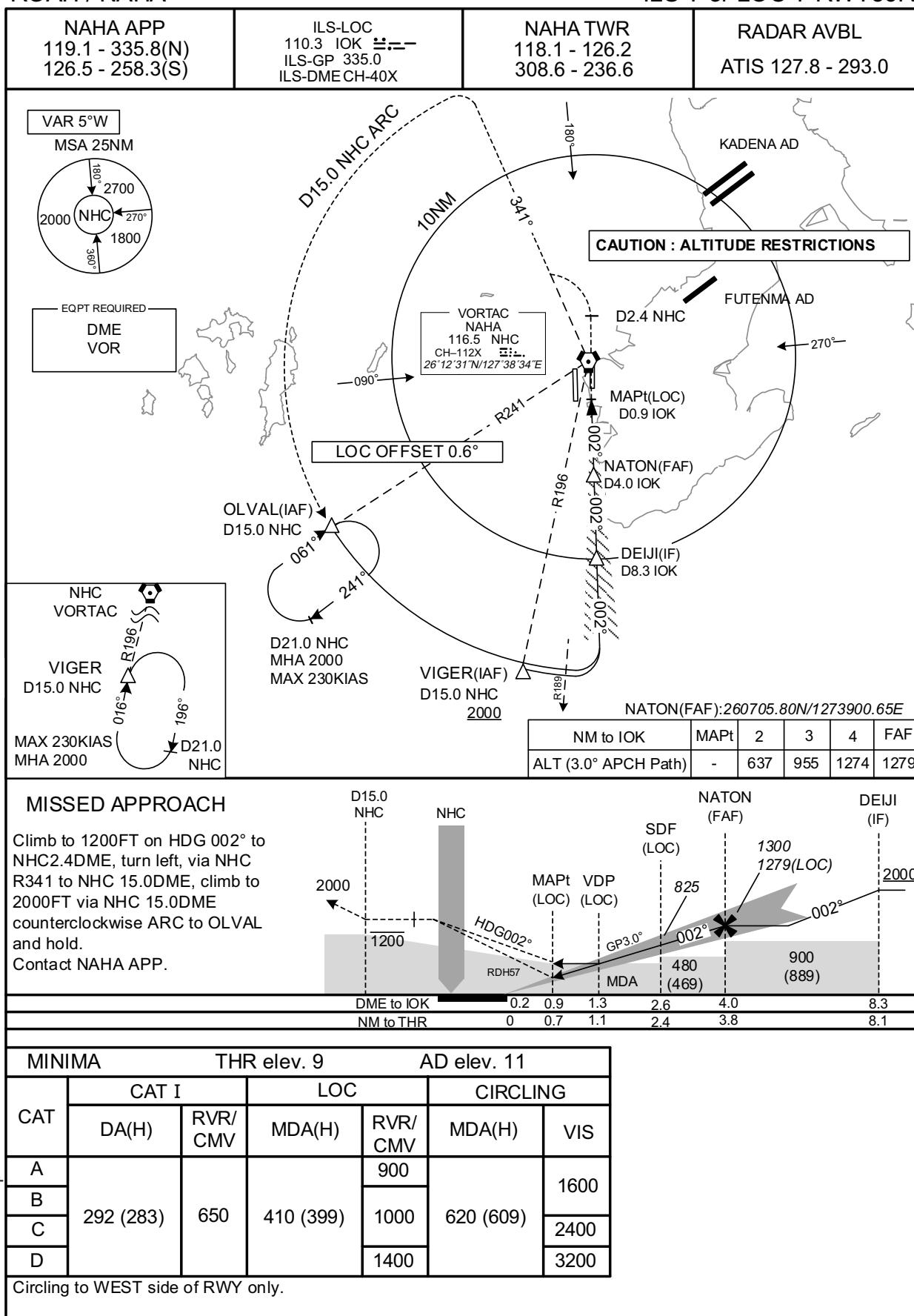
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

ROAH / NAHA

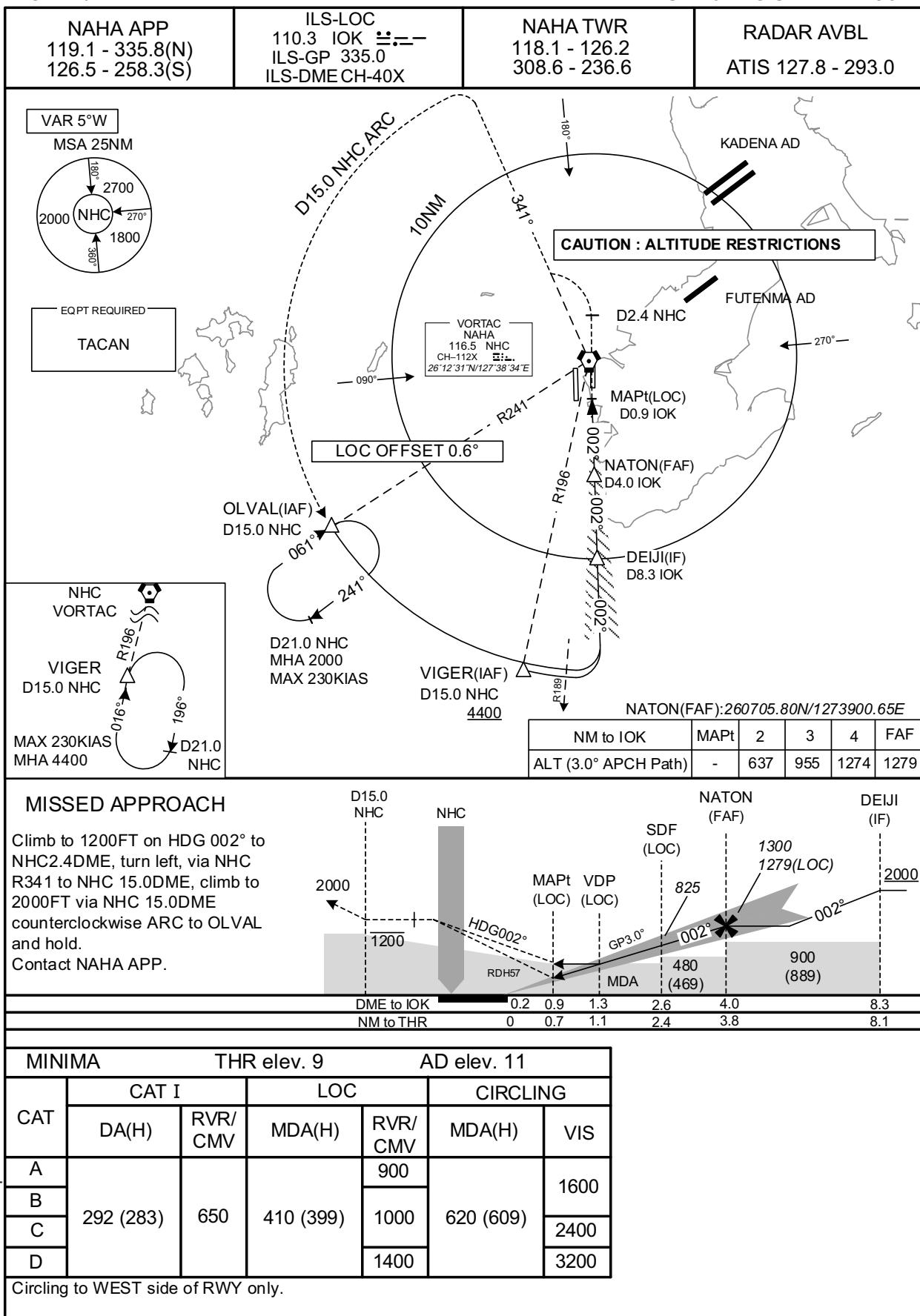
ILS Y or LOC Y RWY36R



INSTRUMENT APPROACH CHART

ROAH / NAHA

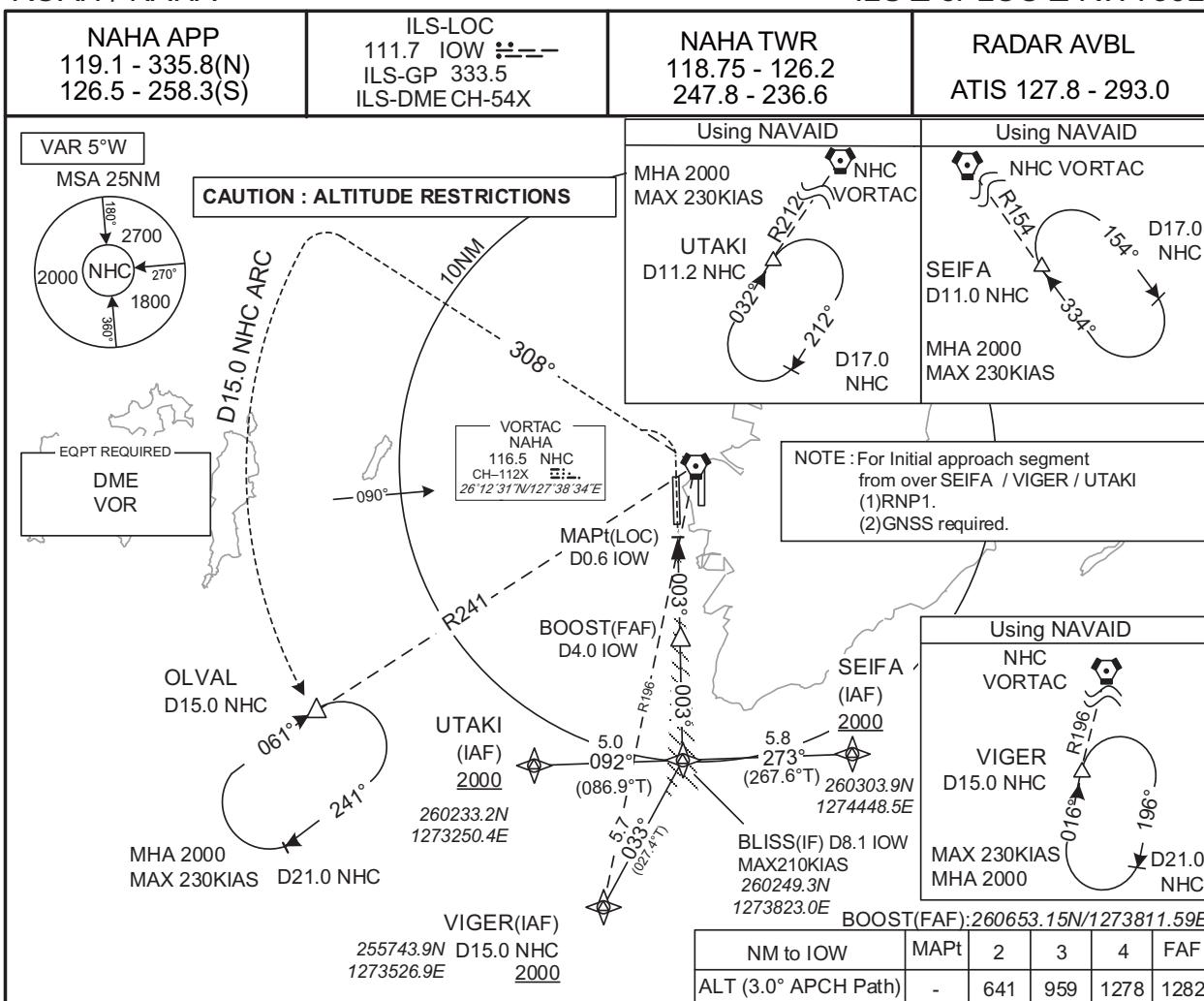
ILS X or LOC X RWY36R



INSTRUMENT APPROACH CHART

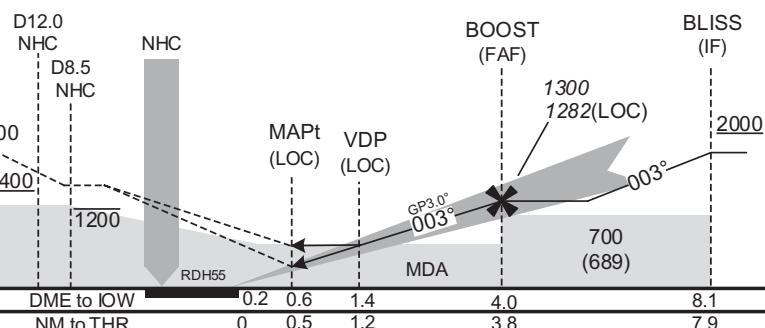
ROAH / NAHA

ILS Z or LOC Z RWY36L



MISSSED 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 2000
to OLVAL and hold.
Cross NHC R308/12.0DME at or above
1400FT.
Contact NAHA APP.



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

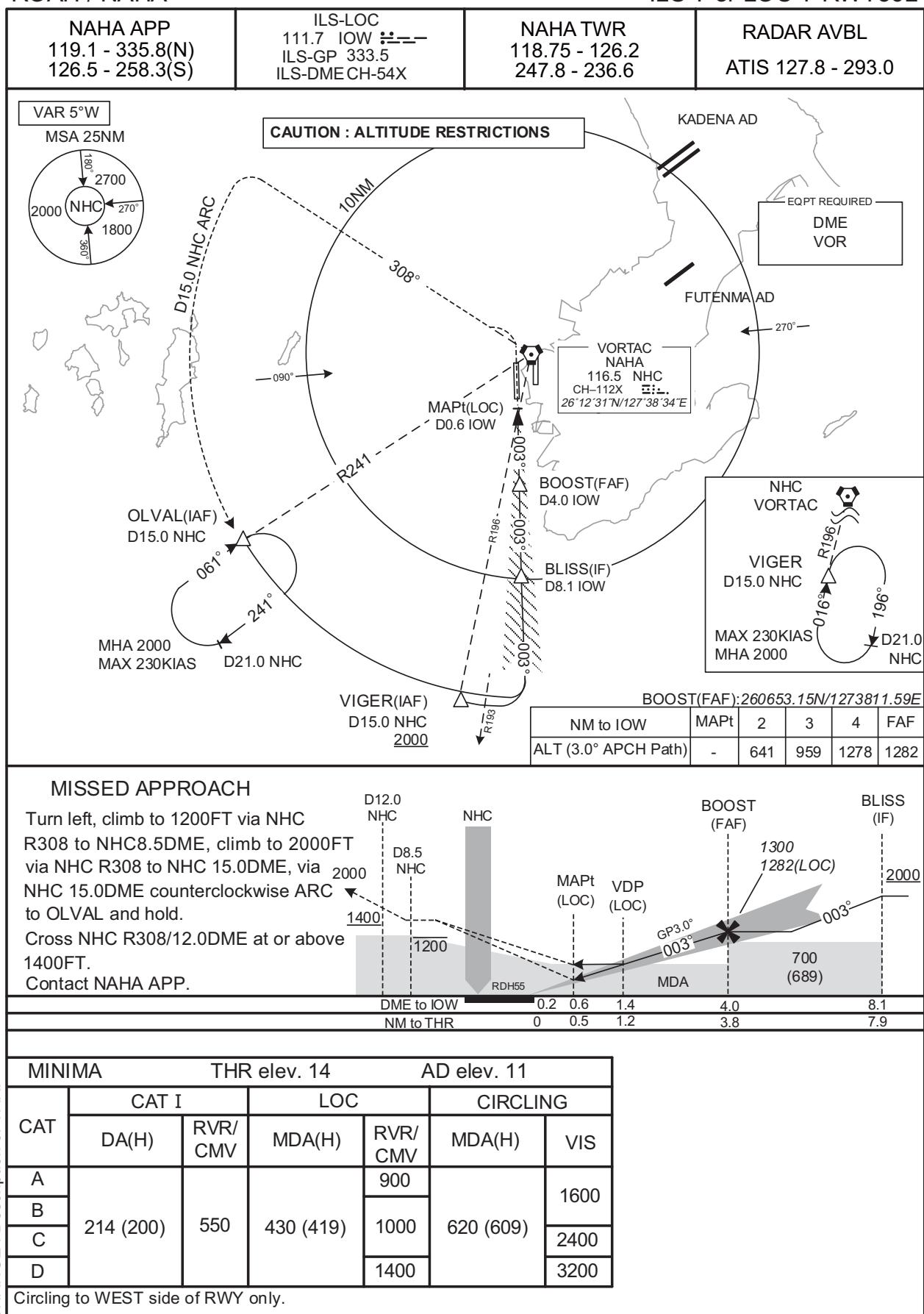
MINIMA		THR elev. 14		AD elev. 11		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A			900		1600	
B			1000		2400	
C	214 (200)	550	430 (419)	620 (609)	3200	
D			1400			

Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA

ILS Y or LOC Y RWY36L

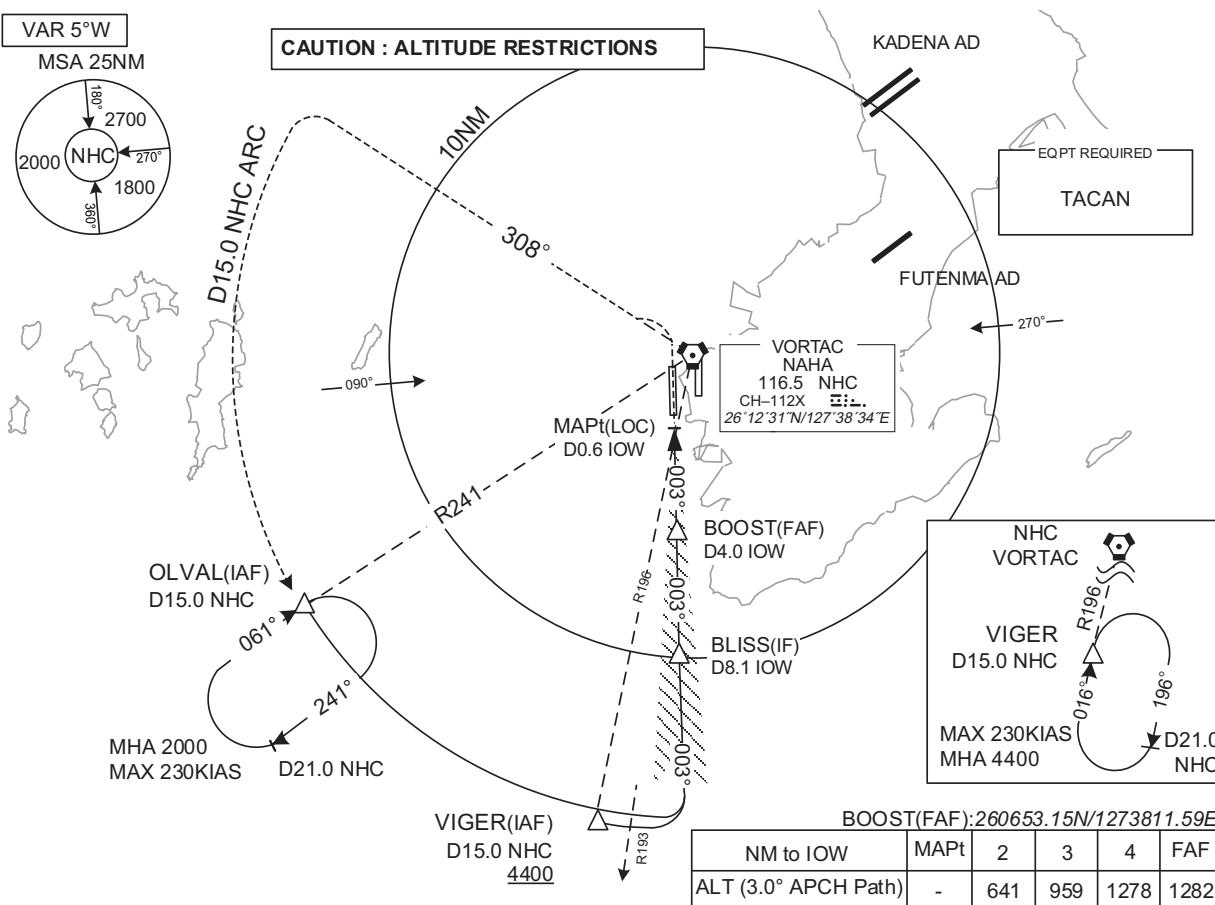


INSTRUMENT APPROACH CHART

ROAH / NAHA

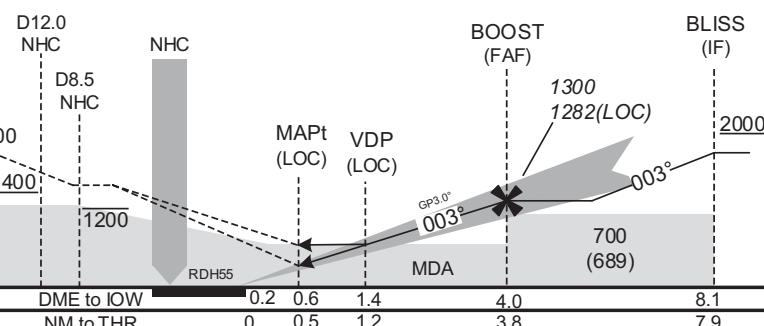
ILS X or LOC X RWY36L

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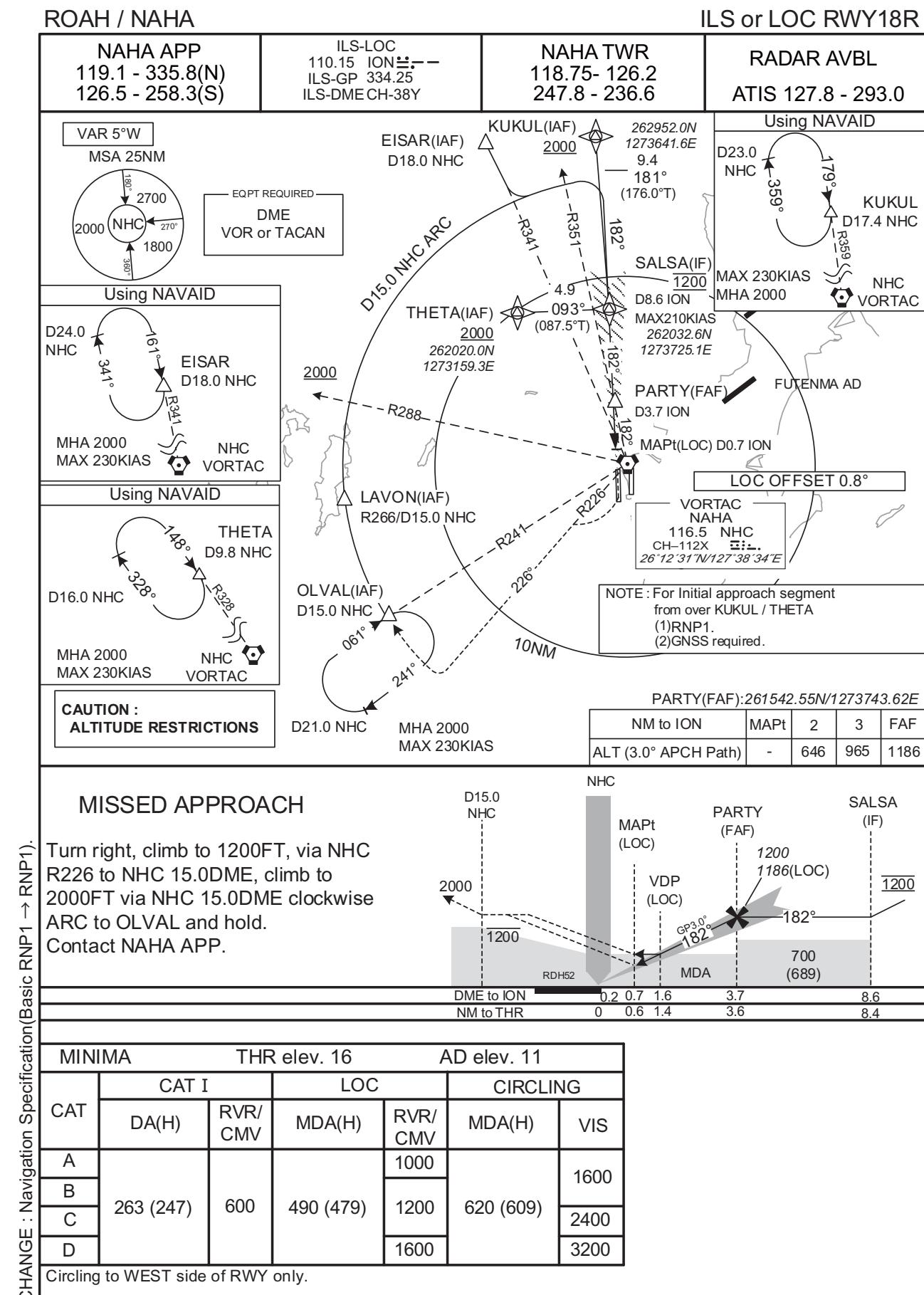
MISSED APPROACH

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 200
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		2400
C				1400		3200
D						

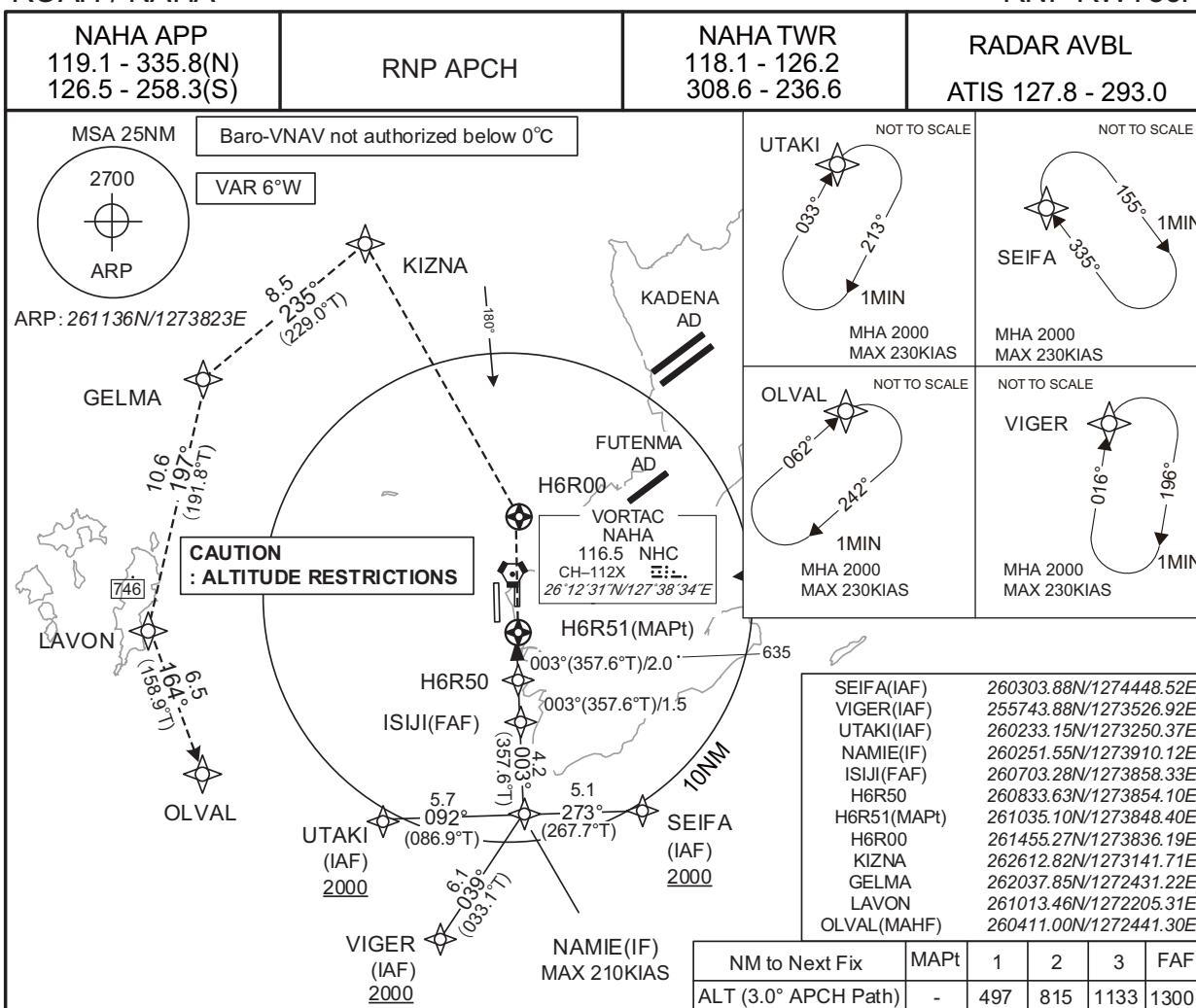
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

ROAH / NAHA

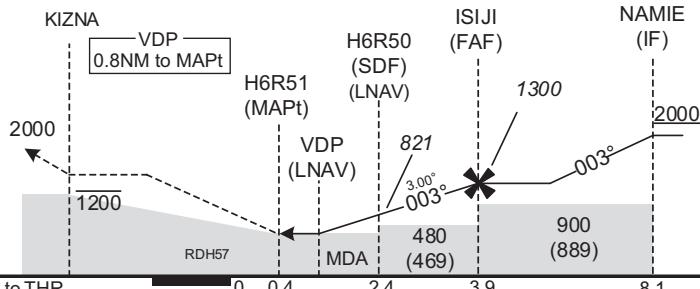
RNP RWY36R



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.



MINIMA THR elev. 9 AD elev. 11

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

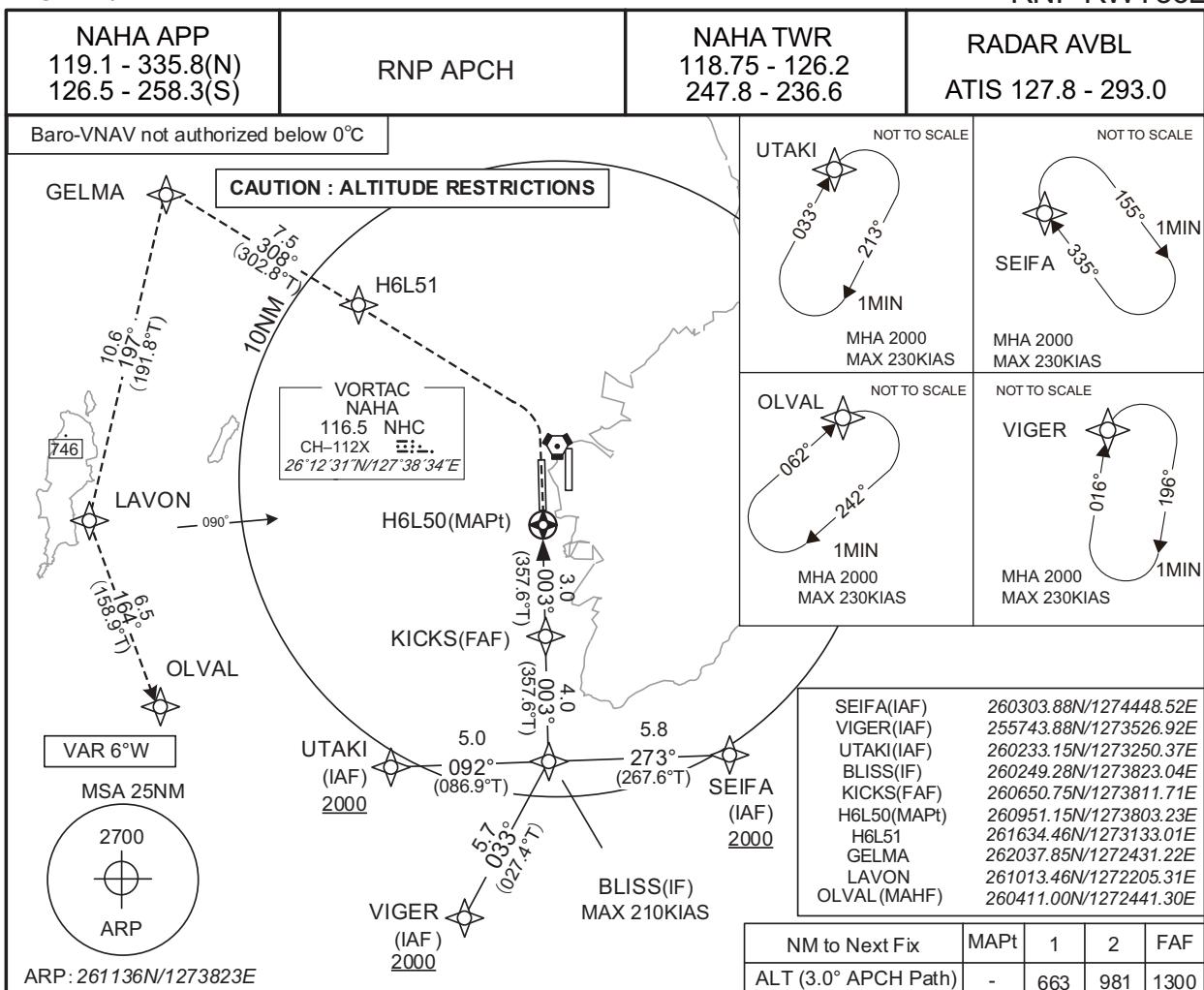
CHANGE : Description of VAR.

Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA

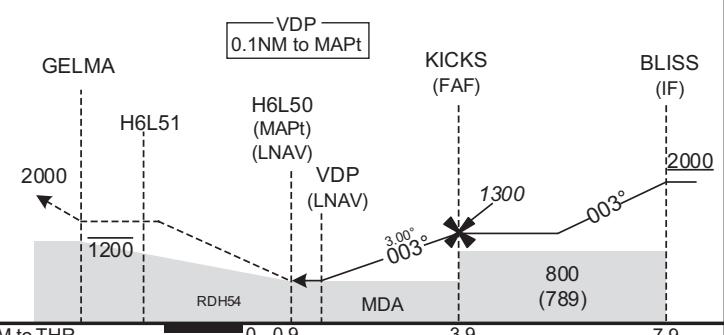
RNP RWY36L



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 : Description of VAR.

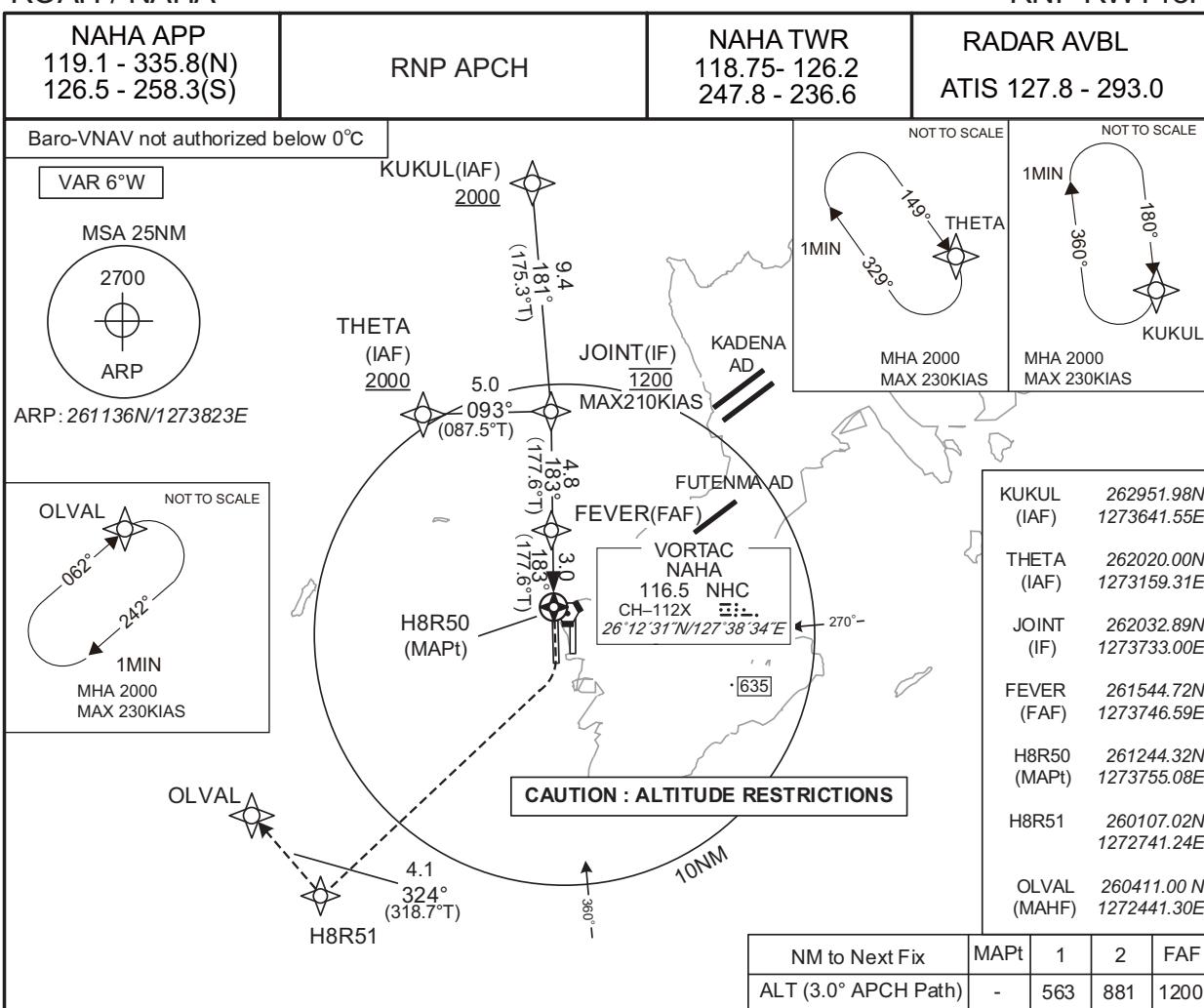
CAT	MINIMA		THR elev. 14		AD elev. 11	
	LNAV/VNAV	RVR/CMV	LNAV	RVR/CMV	CIRCLING	VIS
A	900		900		1600	
B	370 (356)	1000	370 (359)	1000	620 (609)	2400
C				1400		3200
D	1400					

Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA

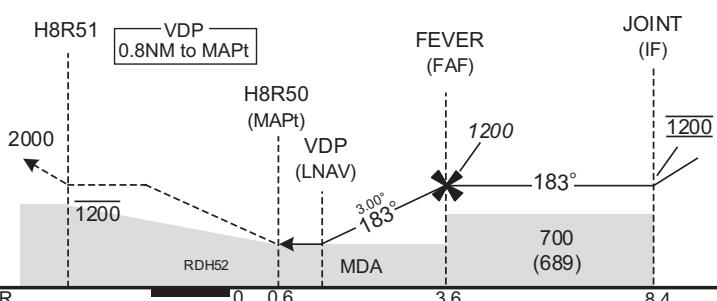
RNP RWY18R



MISSED APPROACH

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

Contact NAHA APP.



CHANGE : Description of VAR.

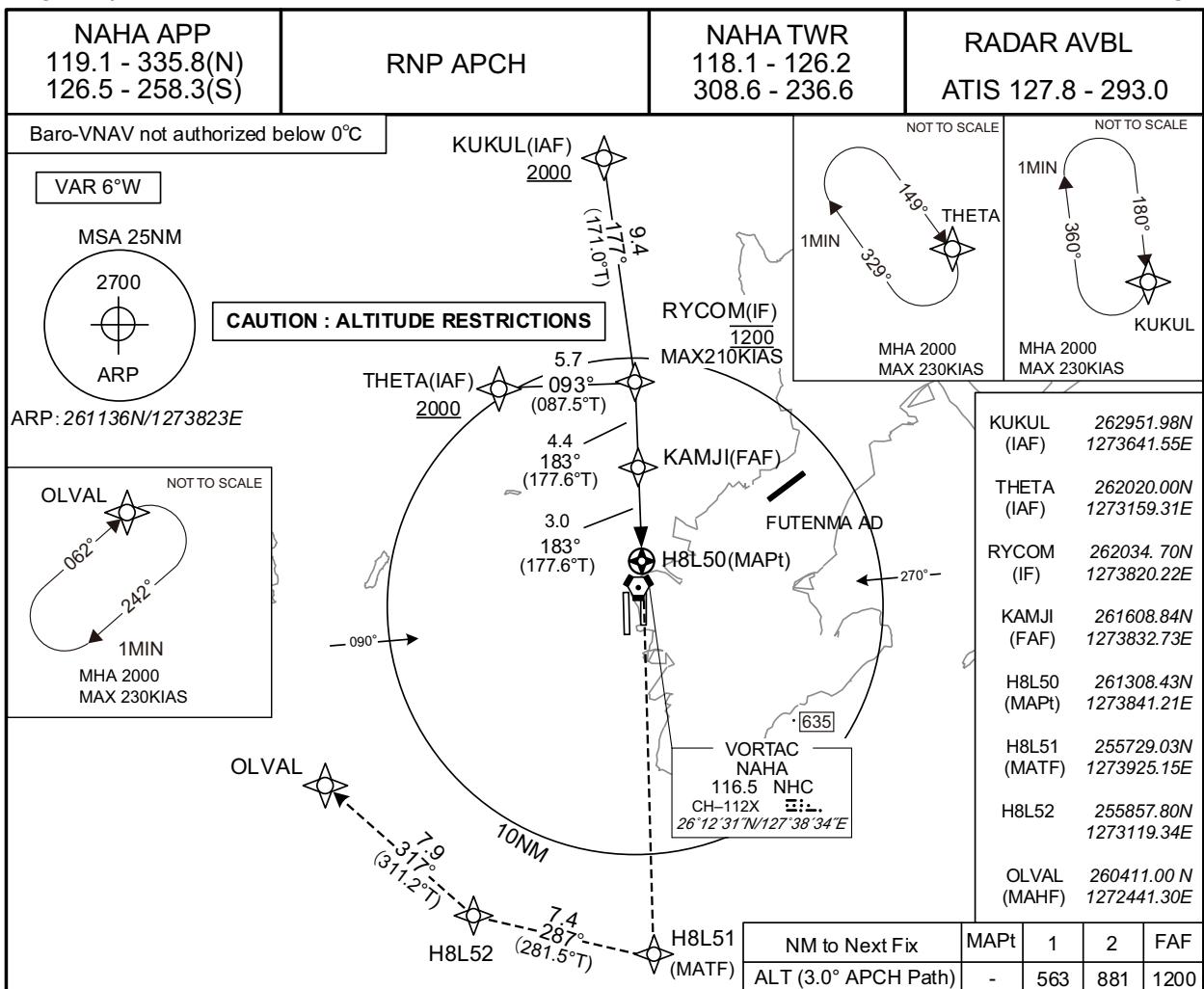
CAT	MINIMA		THR elev. 16		AD elev. 11	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A		1000		1000		1600
B		1200		1200	620 (609)	2400
C	490 (474)		490 (479)			3200
D	1600		1600			

Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA

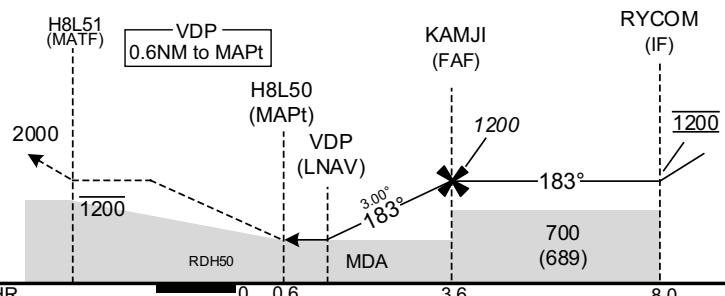
RNP RWY18L



MISSED APPROACH

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

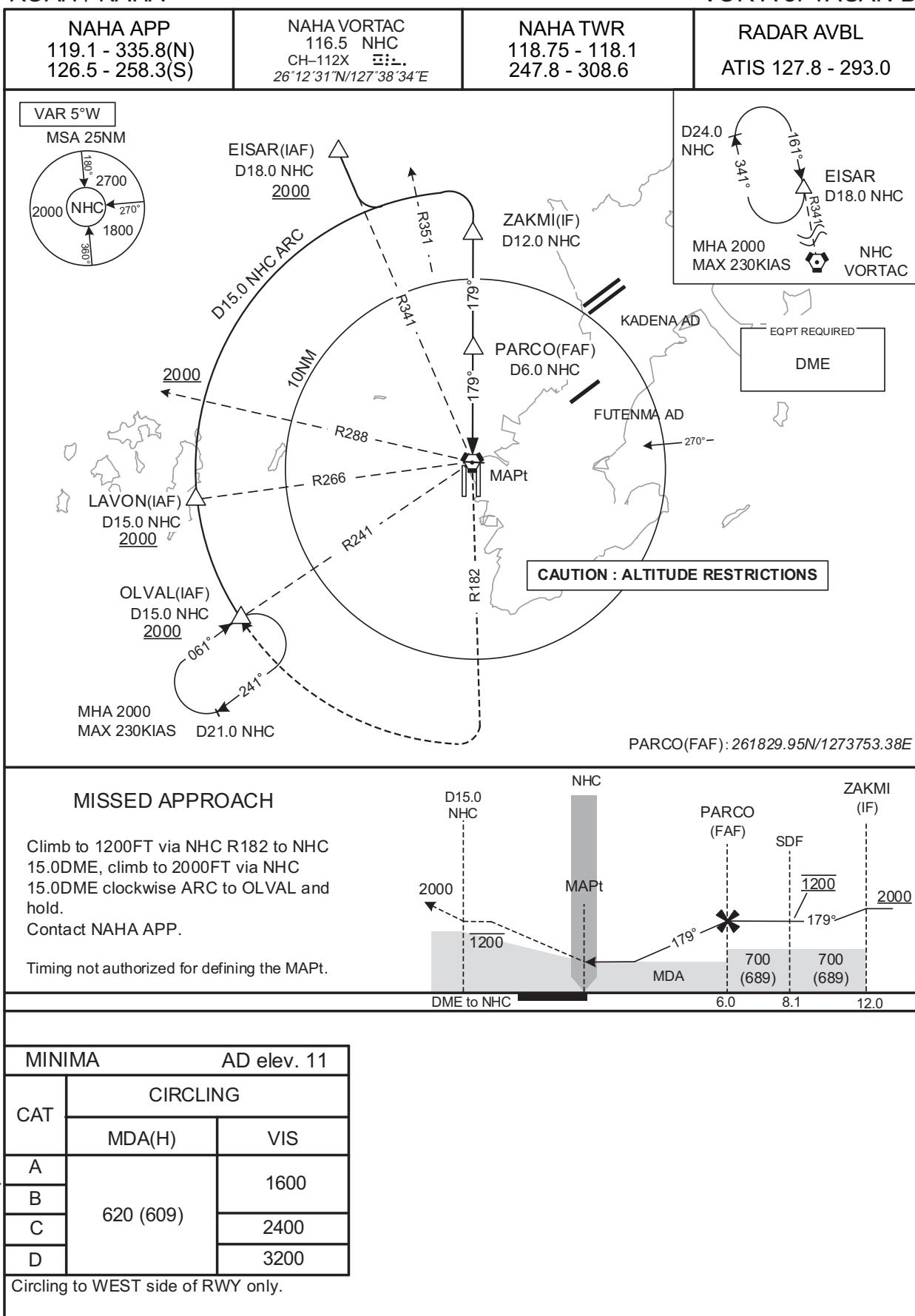
Contact NAHA APP.



CHANGE : Description of VAR.	MINIMA		THR elev. 11		AD elev. 11					
	CAT	LNAV/VNAV	LNAV	CIRCLING	MDA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A		DA(H)	RVR/CMV		MDA(H)		MDA(H)		MDA(H)	
B					1200		1200		1200	
C		430 (419)			1300		1300		1600	
D					1400		1400		2400	
					1600		1600		3200	
Circling to WEST side of RWY only.										

INSTRUMENT APPROACH CHART

ROAH / NAHA

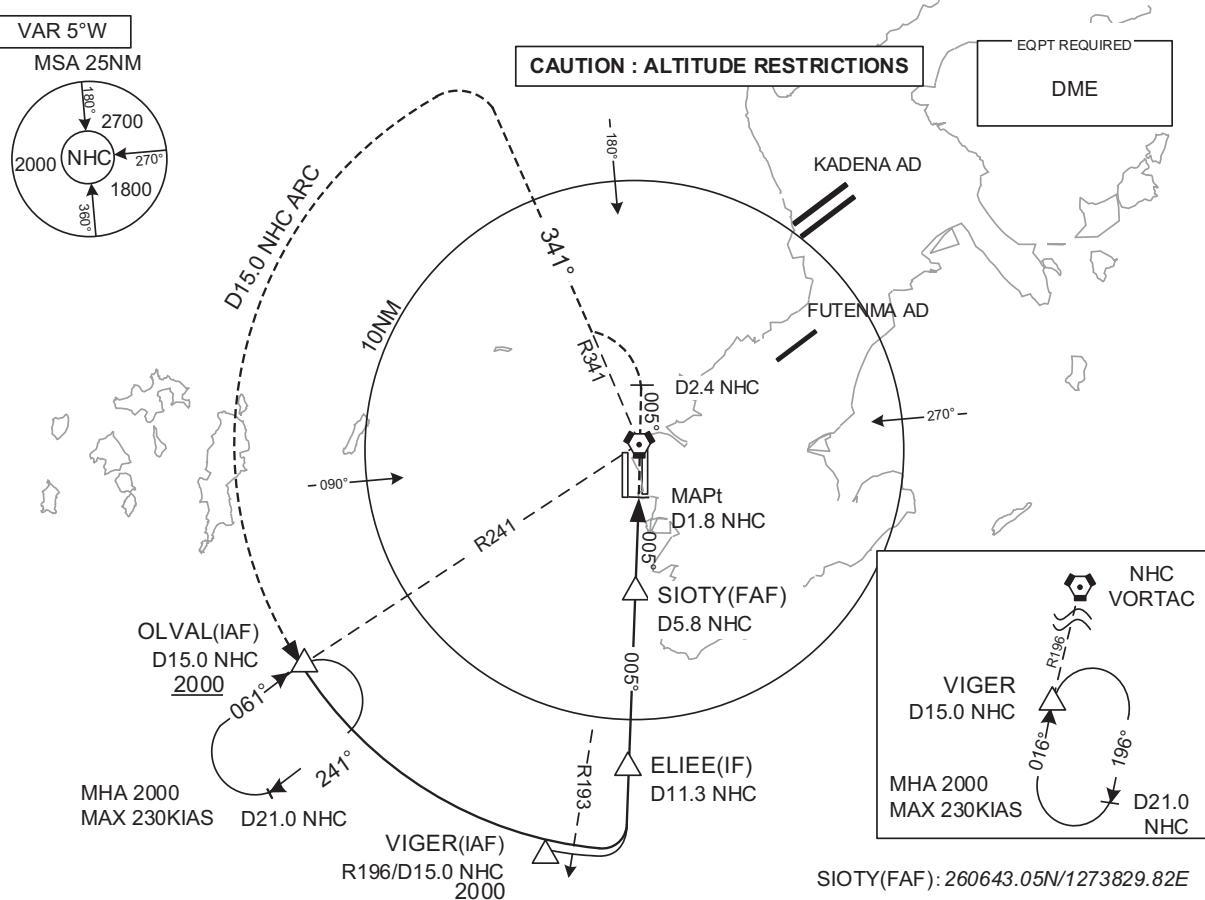


INSTRUMENT APPROACH CHART

ROAH / NAHA

VOR C

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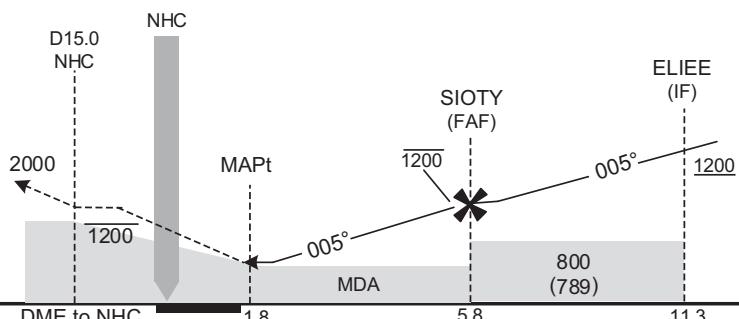


MISSED APPROACH

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 Q1 VAL and hold

Contact NAHA APP

Timing not authorized for defining the MAPt



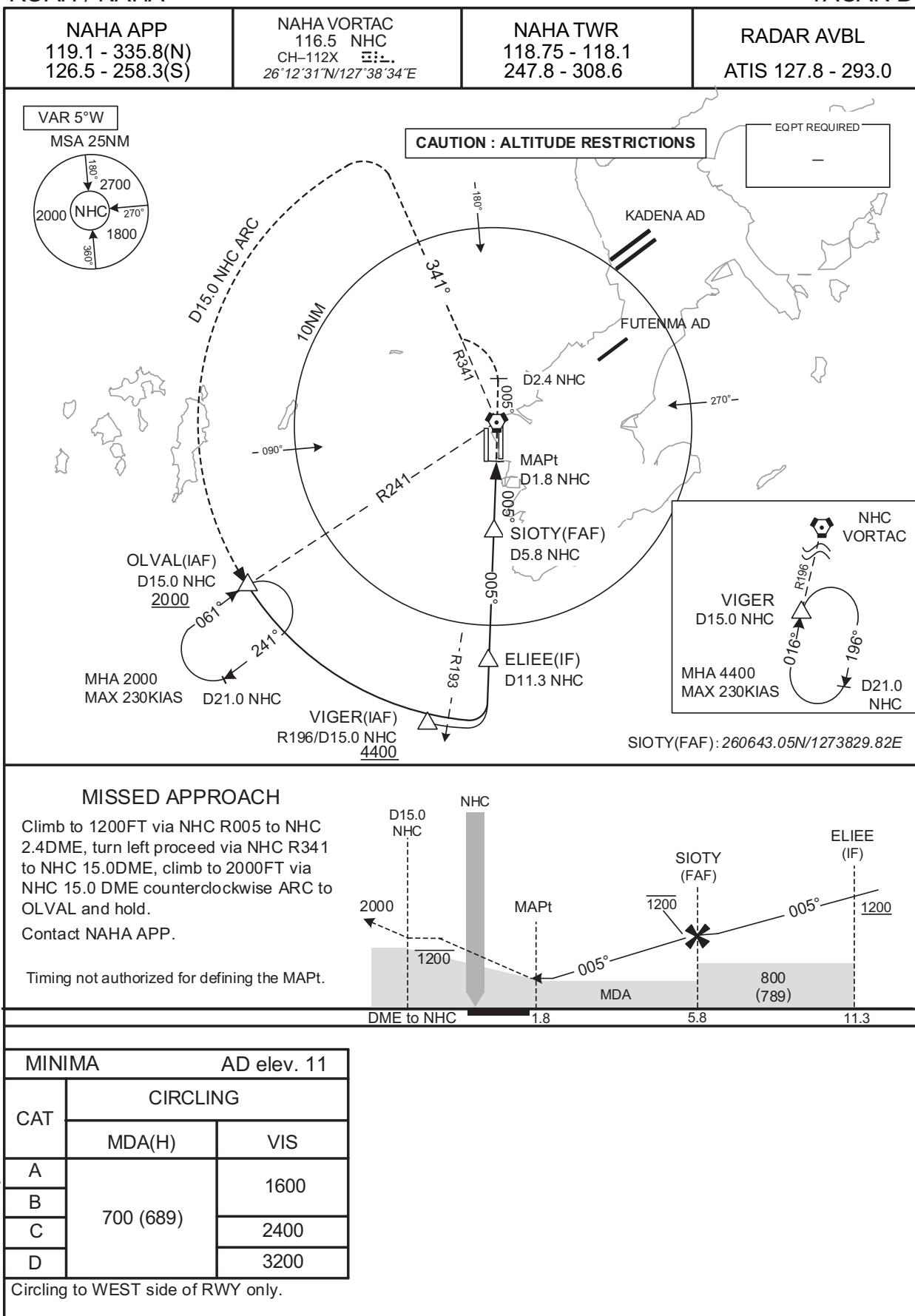
MINIMA		AD elev. 11
CHANGE : Description of VAR. CAT	CIRCLING	
	MDA(H)	VIS
	A	1600
	B	620 (609)
	C	2400
	D	3200

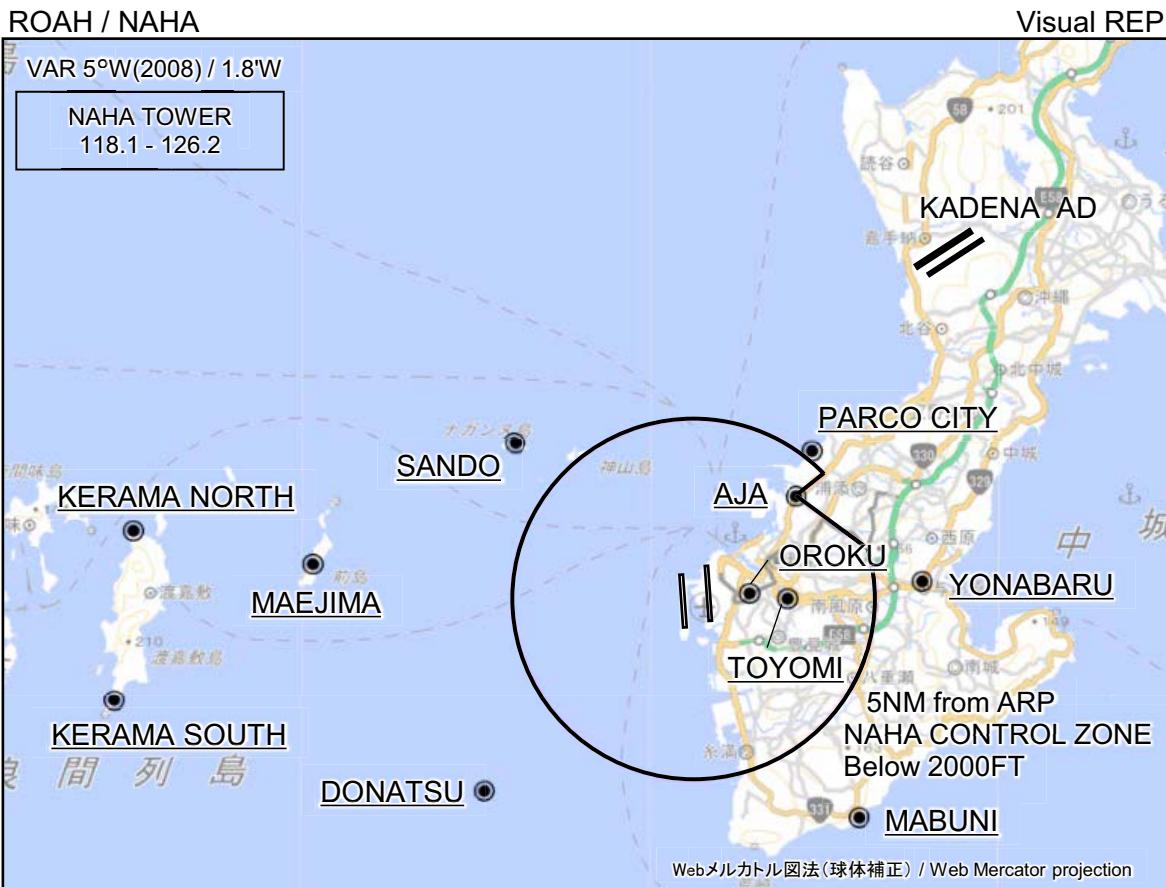
Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA

TACAN D





※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).

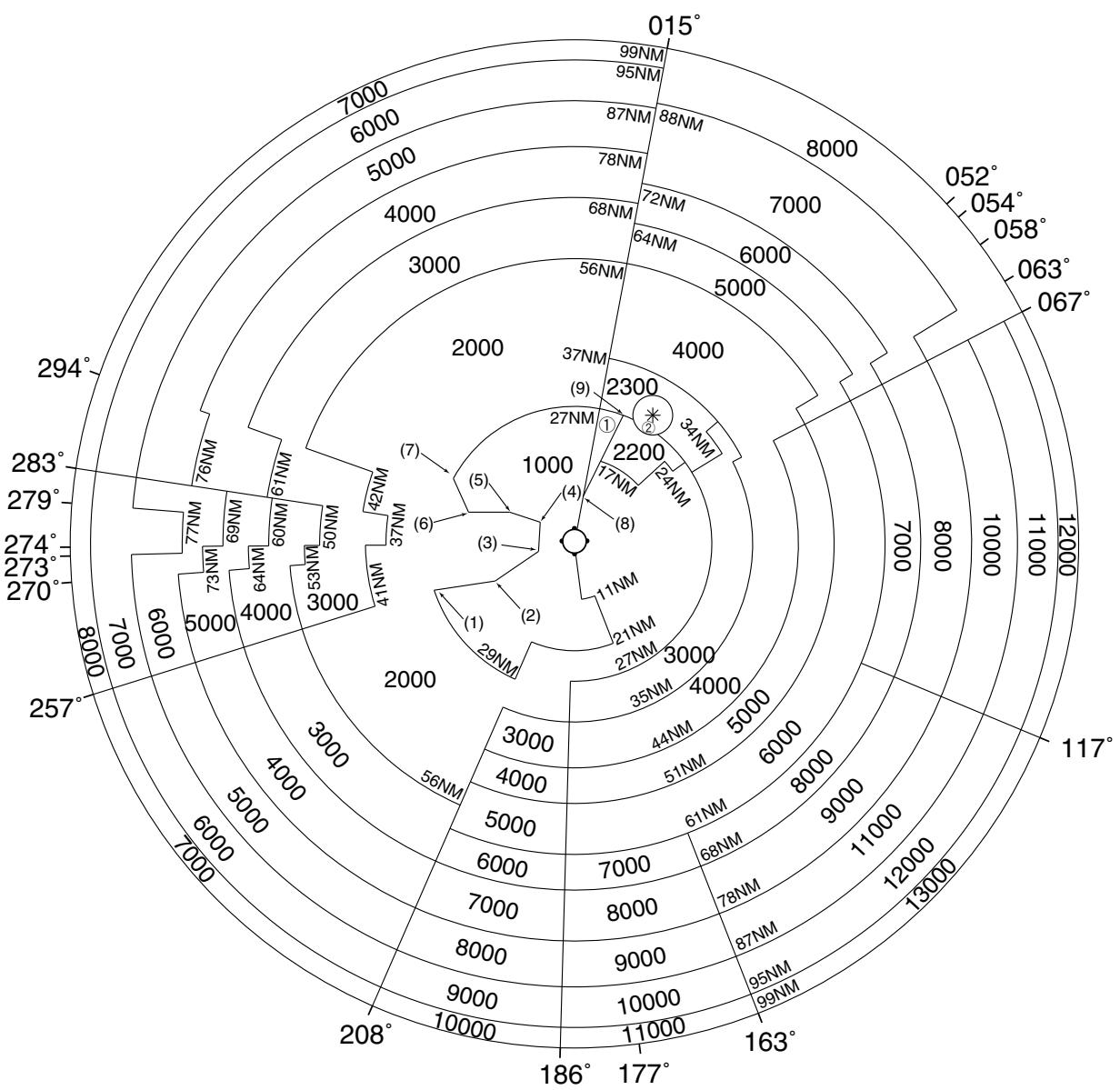
CHANGE : Map updated. BRG/DIST from ARP. Visual REP established(Oroku, Parco City, Toyomi).

Call sign	BRG / DIST from ARP	Remarks
サンド Sando	311°T / 6.6NM	ナガンヌ島 Island
慶良間ノース Kerama North	277°T / 15.4NM	渡嘉敷島北端 North edge of island
前島 Maejima	276°T / 10.5NM	前島 Island
慶良間サウス Kerama South	260°T / 16.1NM	渡嘉敷島南端 South edge of island
ドーナツ Donatsu	227°T / 7.8NM	ルカン礁 Coral reef
パルコシティ Parco City	037°T / 5.2NM	パルコシティ Shopping mall
安謝 Aja	043°T / 4.0NM	国道58号線安謝橋 Bridge
小禄 Oroku	083°T / 1.5NM	モノレール小禄駅 Station
与那原 Yonabaru	085°T / 6.2NM	国道329号線与那原交叉点 Intersection
とよみ Toyomi	090°T / 2.5NM	とよみ大橋と爬龍橋の交点 Intersection
摩文仁 Mabuni	143°T / 7.5NM	平和祈念公園 Park

ROAH / NAHA

Minimum Vectoring Altitude CHART

VAR 5°W (2011)



- ① 1500 (1) 260301N/1270807E
 ② 2600 (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