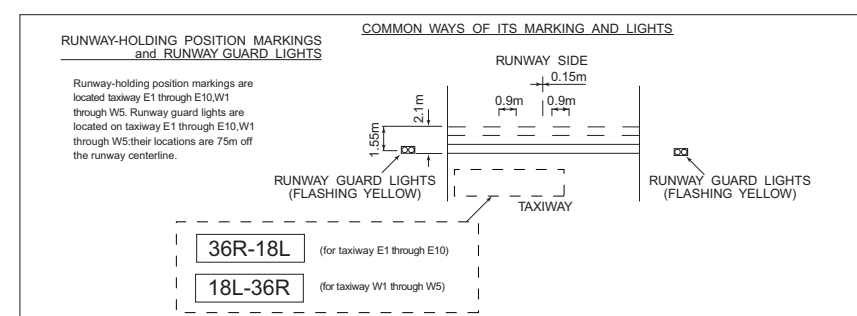


NAHA AIRPORT
ELEV 11ft (3.3m)

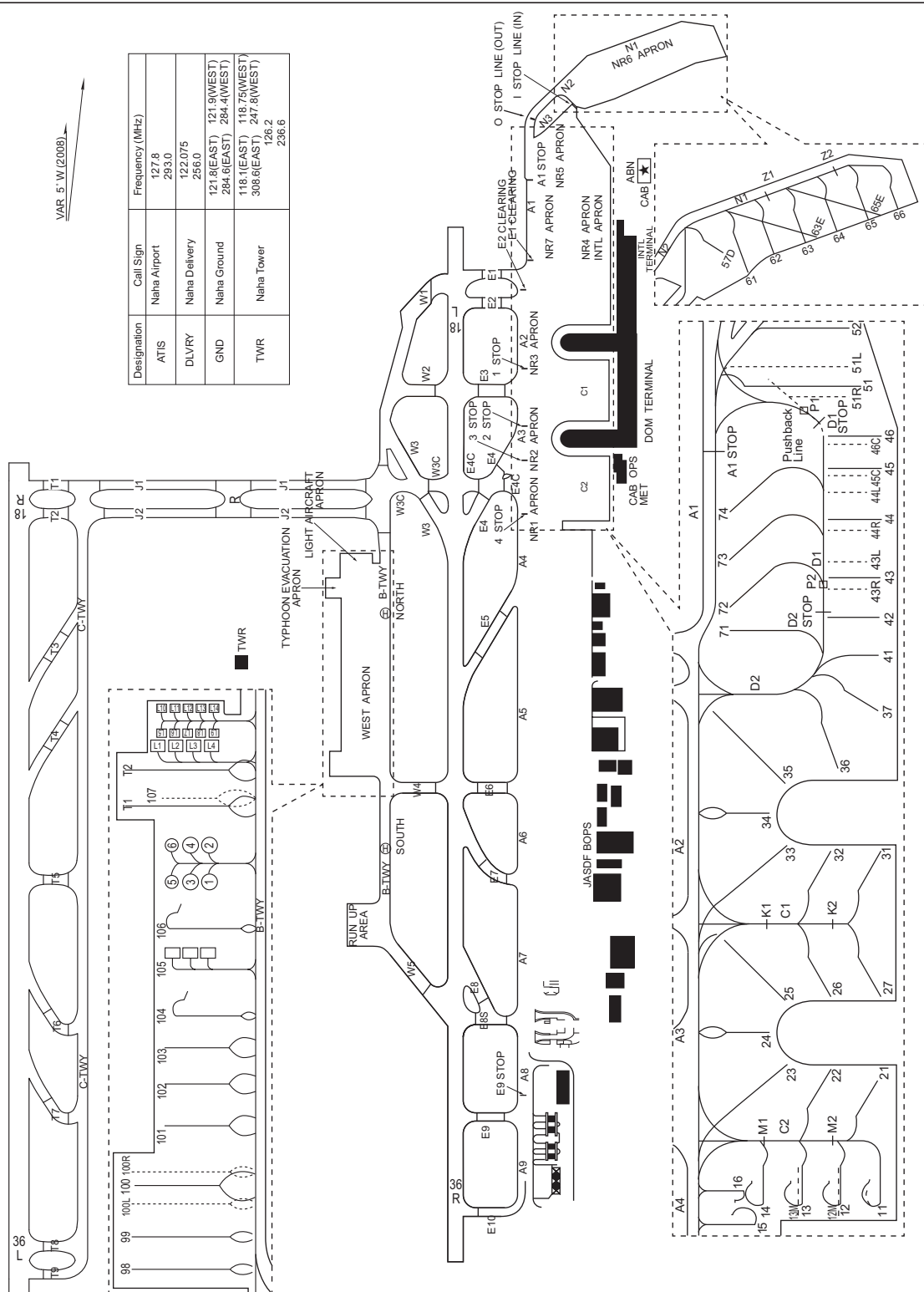


2/11/23

AD CHART

NAHA AIRPORT
ELEV 11ft (3.3m)

| Designation | Call Sign | Frequency (MHz) |
|-------------|---------------|-----------------------------|
| ATIS | Naha Airport | 127.8 |
| | | 293.0 |
| DLVR | Naha Delivery | 122.075 |
| | | 256.0 |
| GND | Naha Ground | 121.8(EAST) 124.8(EAST) |
| | | 121.9(WEST) 284.4(WEST) |
| TWR | Naha Tower | 118.1(EAST) 118.75(WEST) |
| | | 308.6(EAST) 247.8(WEST) |
| | | 26.2 236.6 |

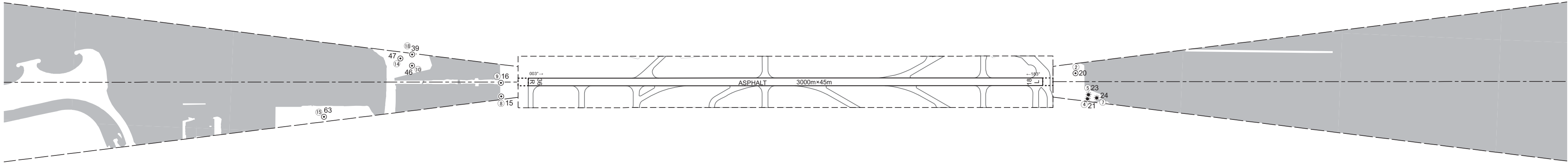


INTENTIONALLY LEFT BLANK

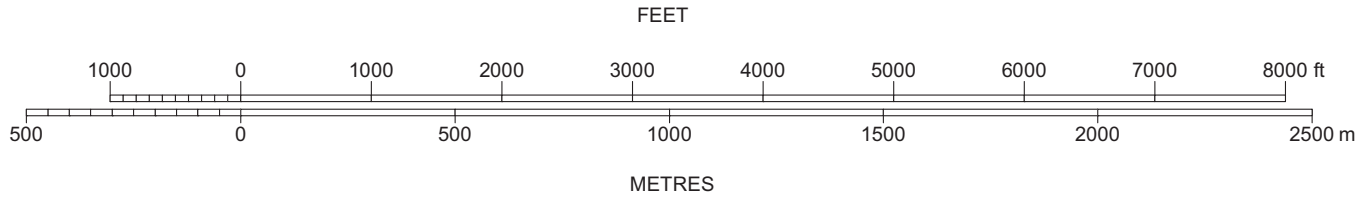
AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC
Transverse Mercator Projection

MAGNETIC VARIATION 6°W - FEB 2023



HORIZONTAL SCALE



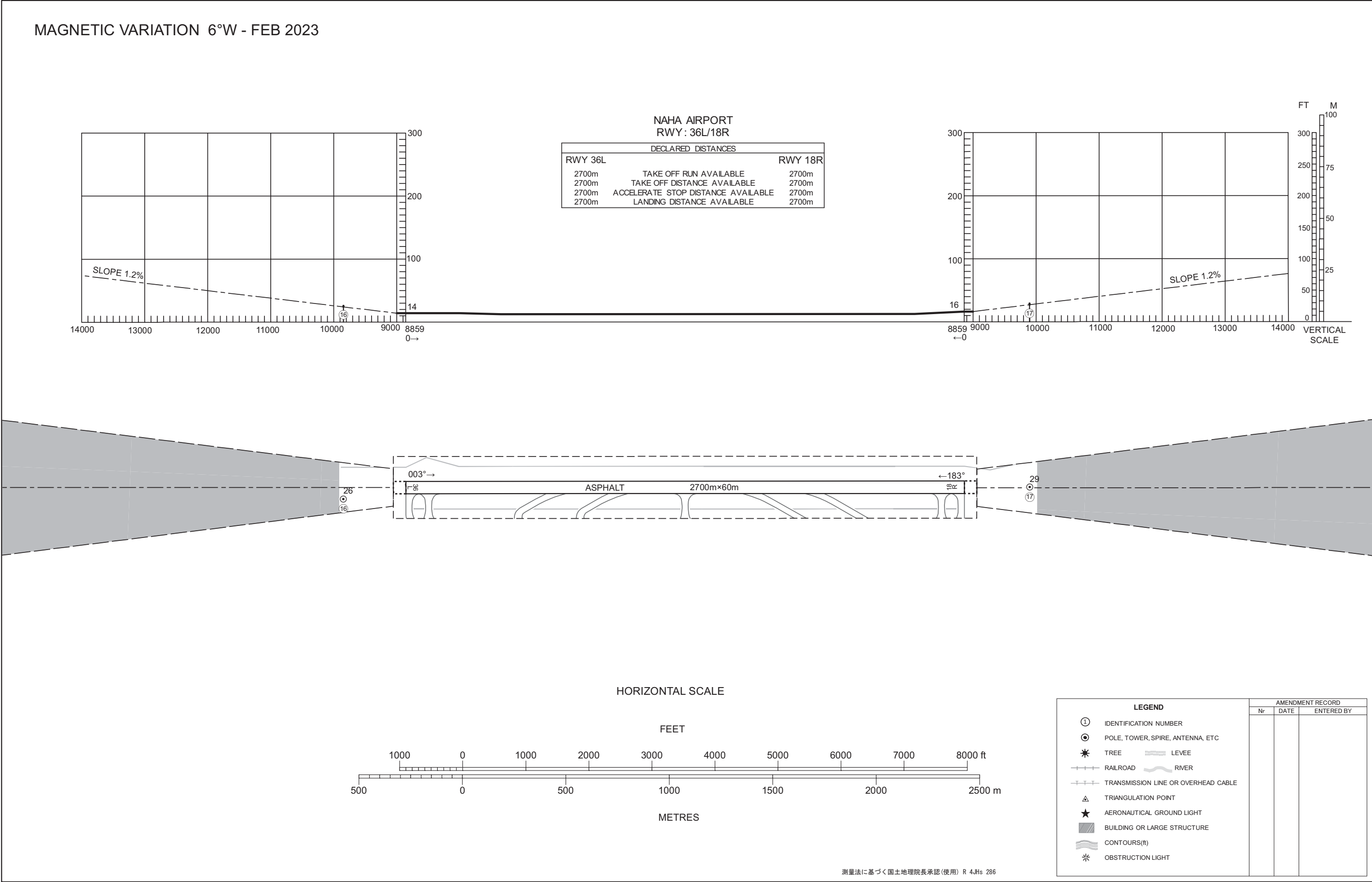
| LEGEND | | AMENDMENT RECORD | | |
|--------|-------------------------------------|------------------|------|------------|
| ① | IDENTIFICATION NUMBER | Nr | DATE | ENTERED BY |
| ⊙ | POLE, TOWER, SPIRE, ANTENNA, ETC | | | |
| ✱ | TREE | | | |
| ⋯ | RAILROAD | | | |
| ⋯ | TRANSMISSION LINE OR OVERHEAD CABLE | | | |
| △ | TRIANGULATION POINT | | | |
| ★ | AERONAUTICAL GROUND LIGHT | | | |
| ■ | BUILDING OR LARGE STRUCTURE | | | |
| ⋯ | CONTOURS(1) | | | |
| ✱ | OBSTRUCTION LIGHT | | | |
| ⋯ | LEVEE | | | |
| ⋯ | RIVER | | | |

測量法に基づく国土地理院長承認 (使用) R 4JHis 286

CHANGE : Update.

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC
Transverse Mercator Projection

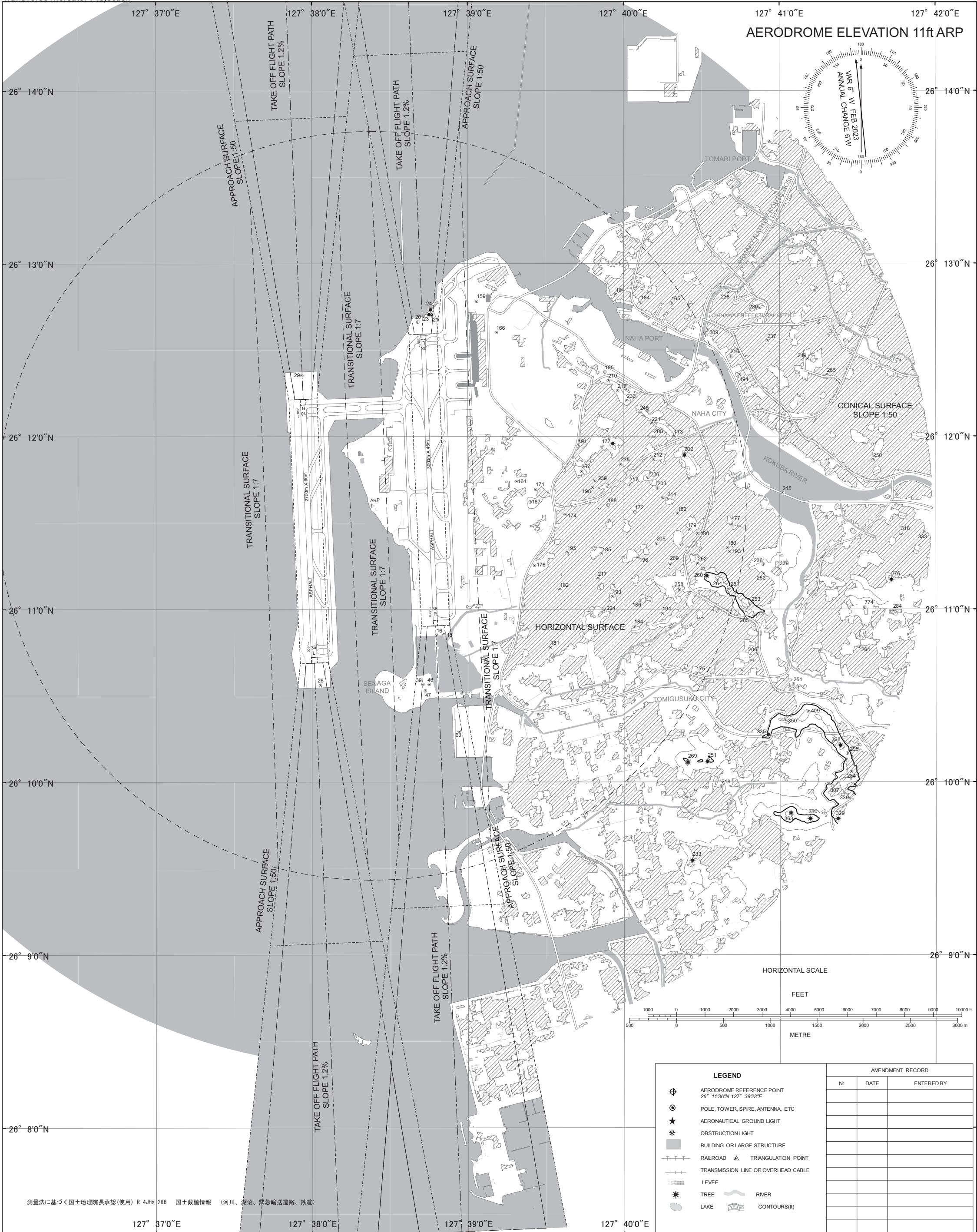
AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)



</

DIMENSIONS AND ELEVATION 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

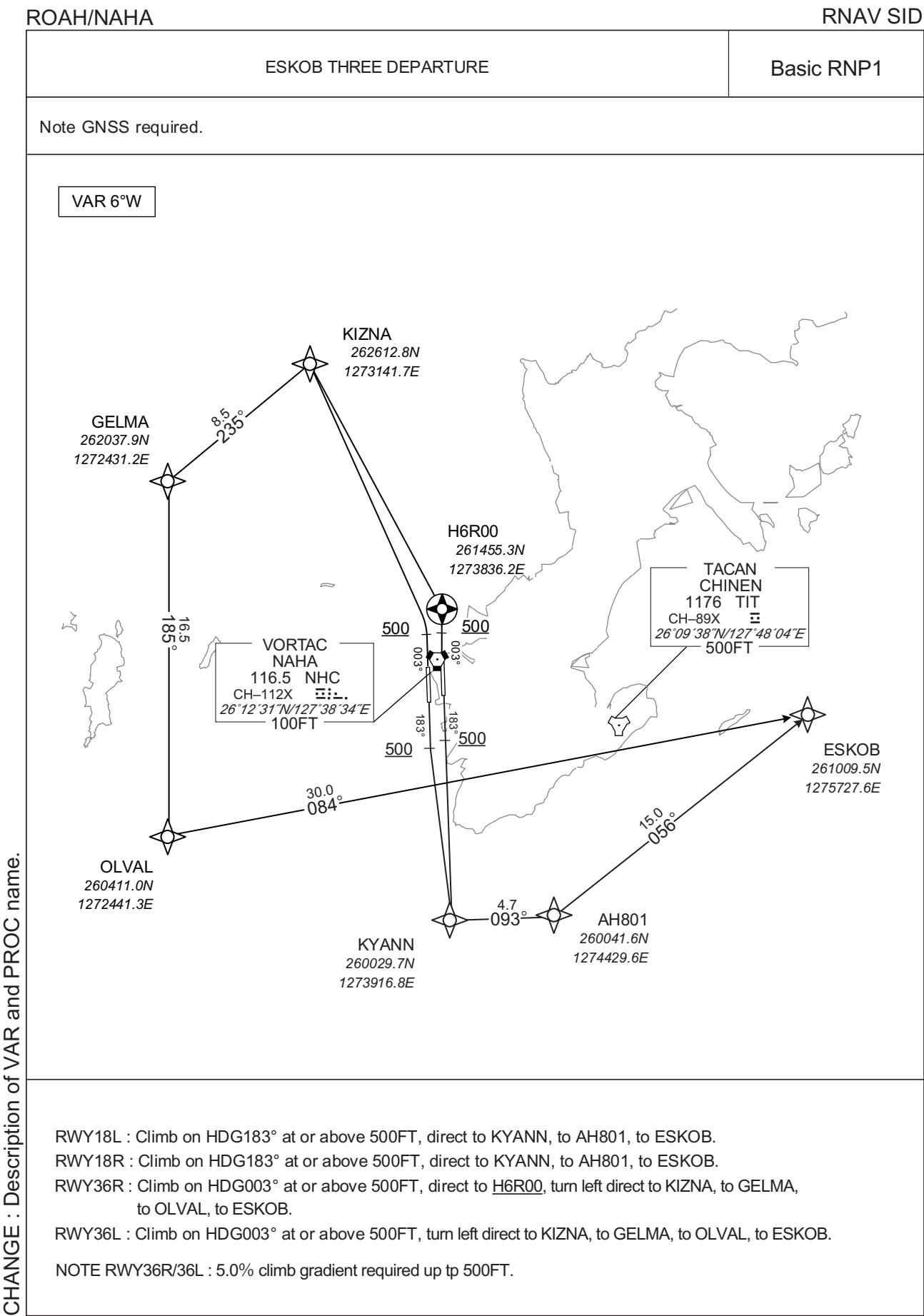
RWY18L : Climb RWY HDG to NHC 4.7DME,...
RWY18R : Climb RWY HDG to 500FT,...
... turn right, via NHC R196 to LAFTY.
RWY36R/36L: (Not established)

CHANGE:New PROC

STANDARD DEPARTURE CHART-INSTRUMENT



STANDARD DEPARTURE CHART-INSTRUMENT



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

RWY36R

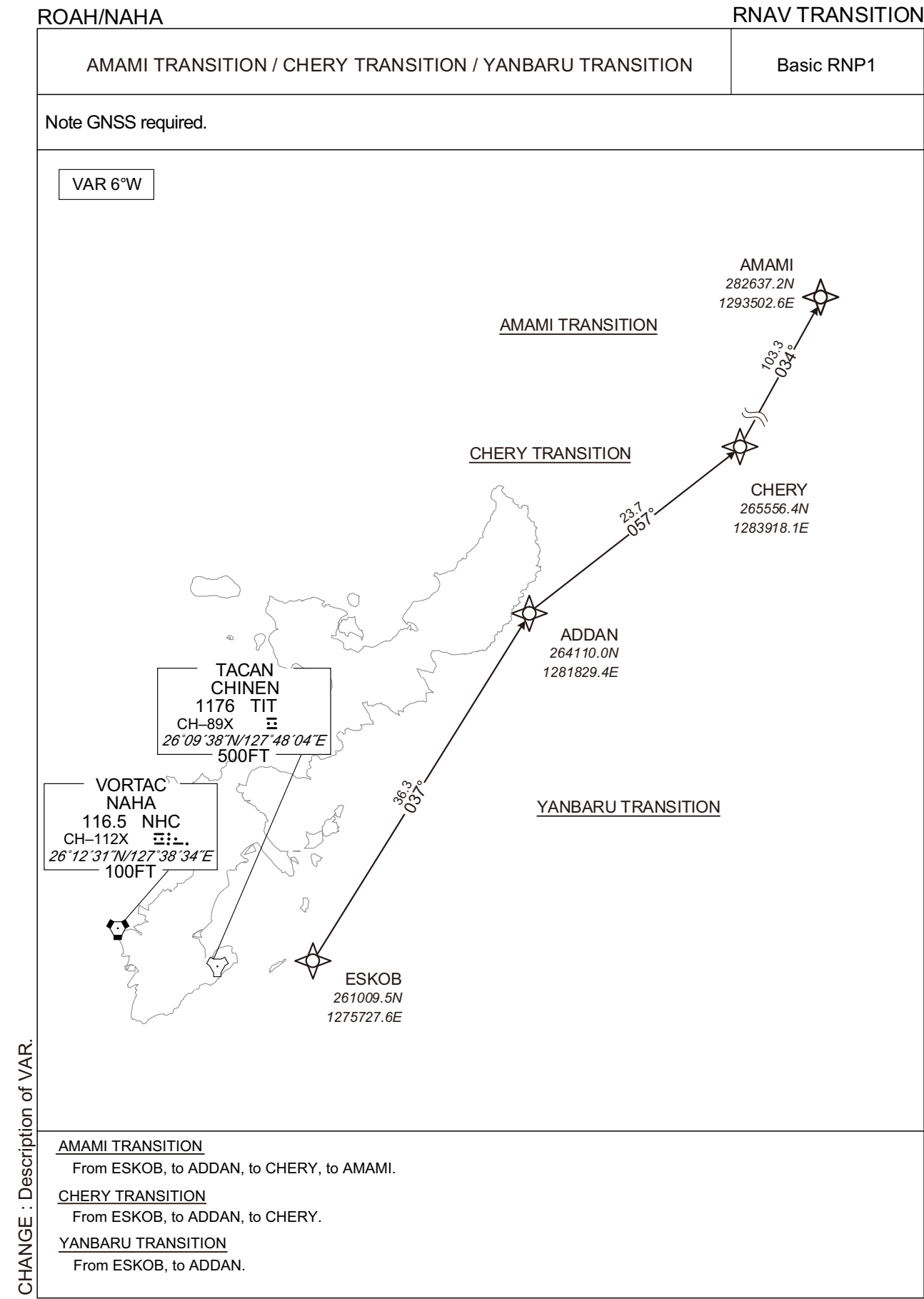
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | - | - | 003 (357.6) | -5.6 | - | - | +500 | - | - | Basic RNP1 |
| 002 | DF | H6R00 | Y | - | -5.6 | - | - | - | - | - | Basic RNP1 |
| 003 | DF | KIZNA | - | - | -5.6 | - | L | - | - | - | Basic RNP1 |
| 004 | TF | GELMA | - | 235 (229.0) | -5.6 | 8.5 | - | - | - | - | Basic RNP1 |
| 005 | TF | OLVAL | - | 185 (179.5) | -5.6 | 16.5 | - | - | - | - | Basic RNP1 |
| 006 | TF | ESKOB | - | 084 (078.4) | -5.6 | 30.0 | - | - | - | - | Basic 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 | - | - | Basic RNP1 |
| 002 | DF | KIZNA | - | - | -5.6 | - | L | - | - | - | Basic RNP1 |
| 003 | TF | GELMA | - | 235 (229.0) | -5.6 | 8.5 | - | - | - | - | Basic RNP1 |
| 004 | TF | OLVAL | - | 185 (179.5) | -5.6 | 16.5 | - | - | - | - | Basic RNP1 |
| 005 | TF | ESKOB | - | 084 (078.4) | -5.6 | 30.0 | - | - | - | - | Basic RNP1 |

CHANGE : PROC renamed. Navigation specification.

STANDARD DEPARTURE CHART-INSTRUMENT



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

YANBARU TRANSITION

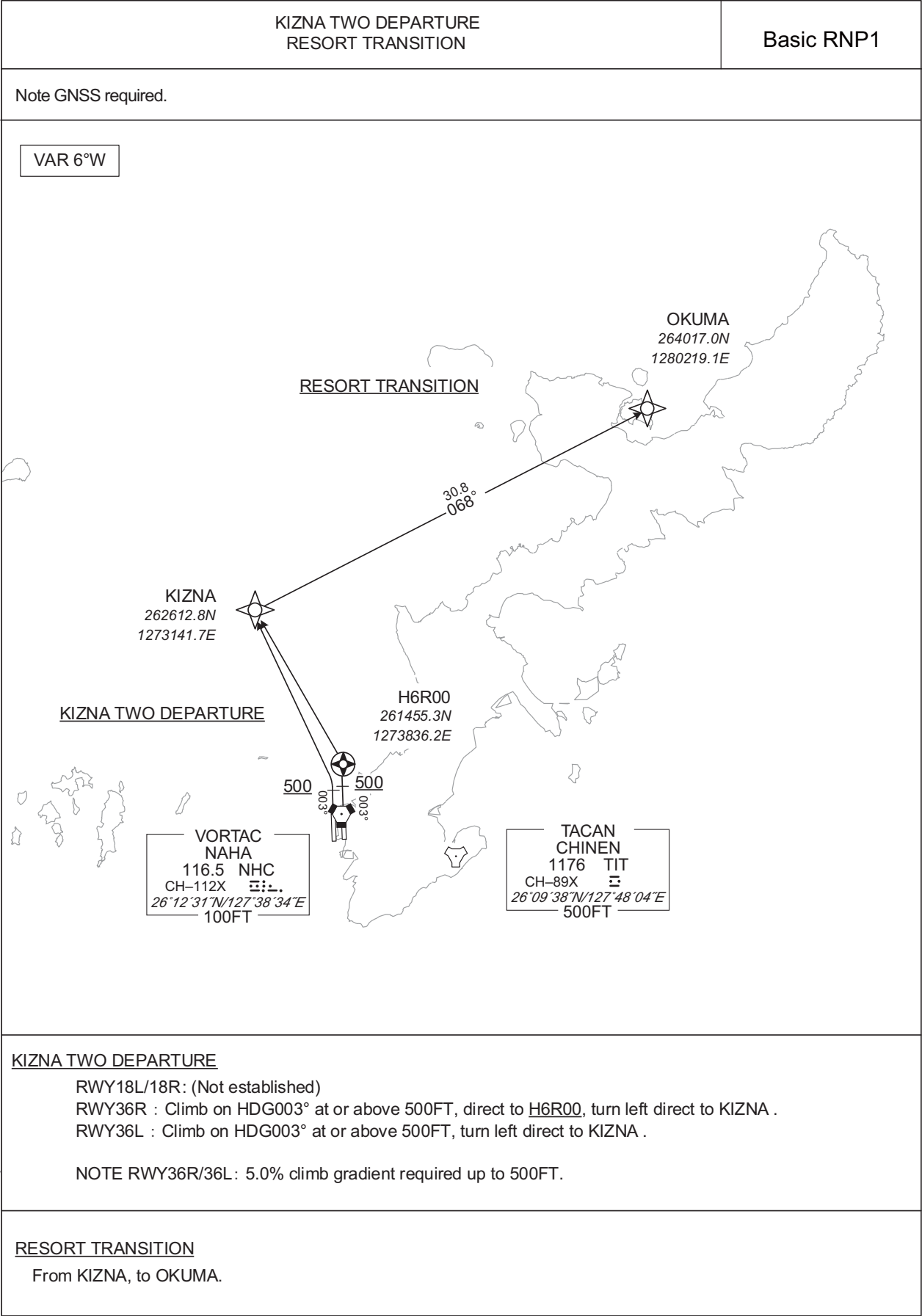
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | ESKOB | - | - | -5.6 | - | - | - | - | - | Basic RNP1 |
| 002 | TF | ADDAN | - | 037 (031.2) | -5.6 | 36.3 | - | - | - | - | Basic RNP1 |

CHANGE : Navigation specification.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH/NAHA

RNAV SID and TRANSITION



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 | - | - | Basic RNP1 |
| 002 | DF | H6R00 | Y | - | -5.6 | - | - | - | - | - | Basic RNP1 |
| 003 | DF | KIZNA | - | - | -5.6 | - | L | - | - | - | Basic 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 | - | - | Basic RNP1 |
| 002 | DF | KIZNA | - | - | -5.6 | - | L | - | - | - | Basic 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 | - | - | - | - | - | Basic RNP1 |
| 002 | TF | OKUMA | - | 068 (062.7) | -5.6 | 30.8 | - | - | - | - | Basic RNP1 |

CHANGE : PROC renamed (KIZNA TWO DEPARTURE). Navigation specification.

STANDARD DEPARTURE CHART-INSTRUMENT

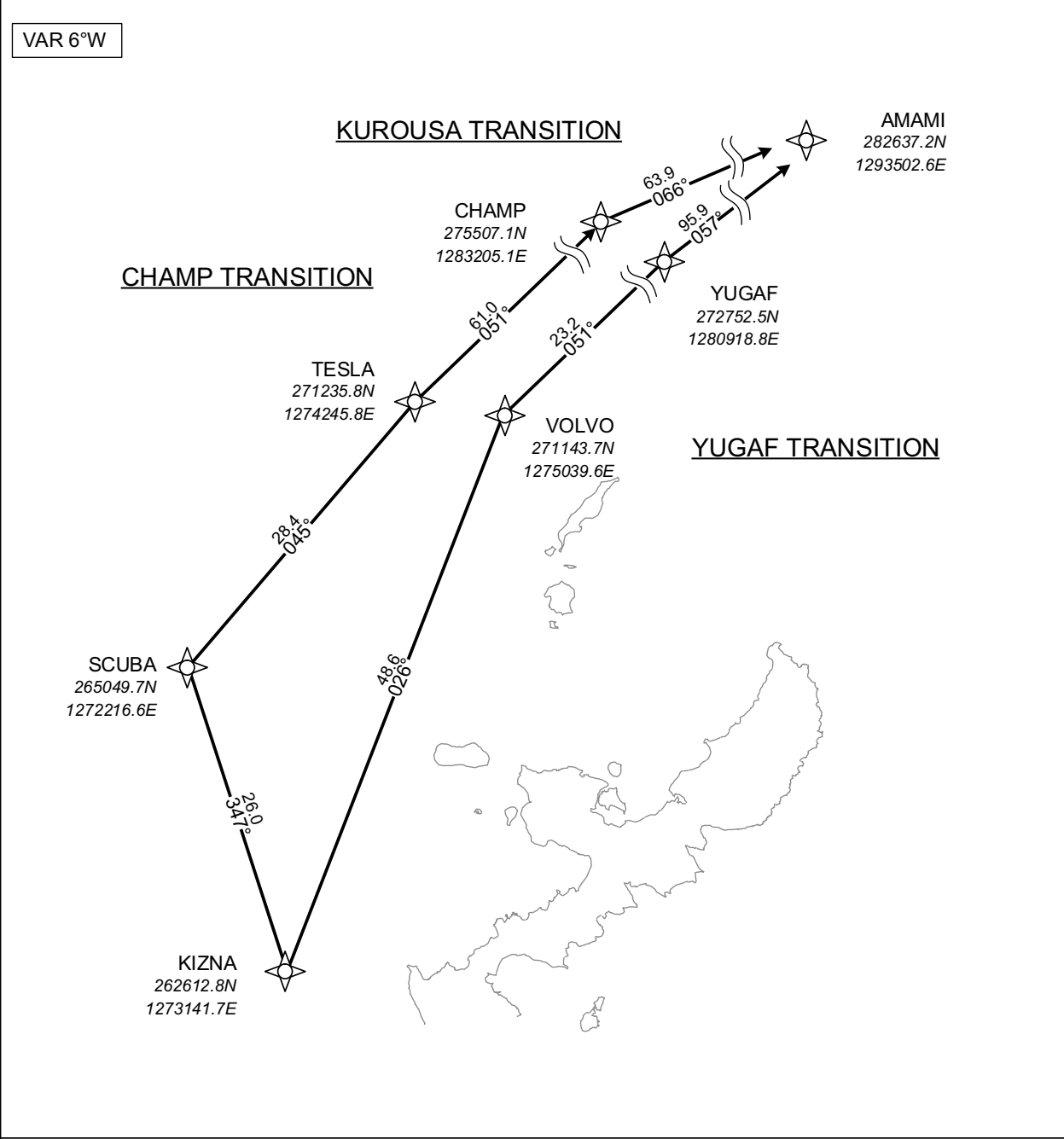
ROAH/NAHA

RNAV TRANSITION

| | |
|--|------------|
| KUROUSA TRANSITION CHAMP TRANSITION YUGAF TRANSITION | Basic RNP1 |
|--|------------|

Note GNSS required.

VAR 6°W



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

YUGAF TRANSITION

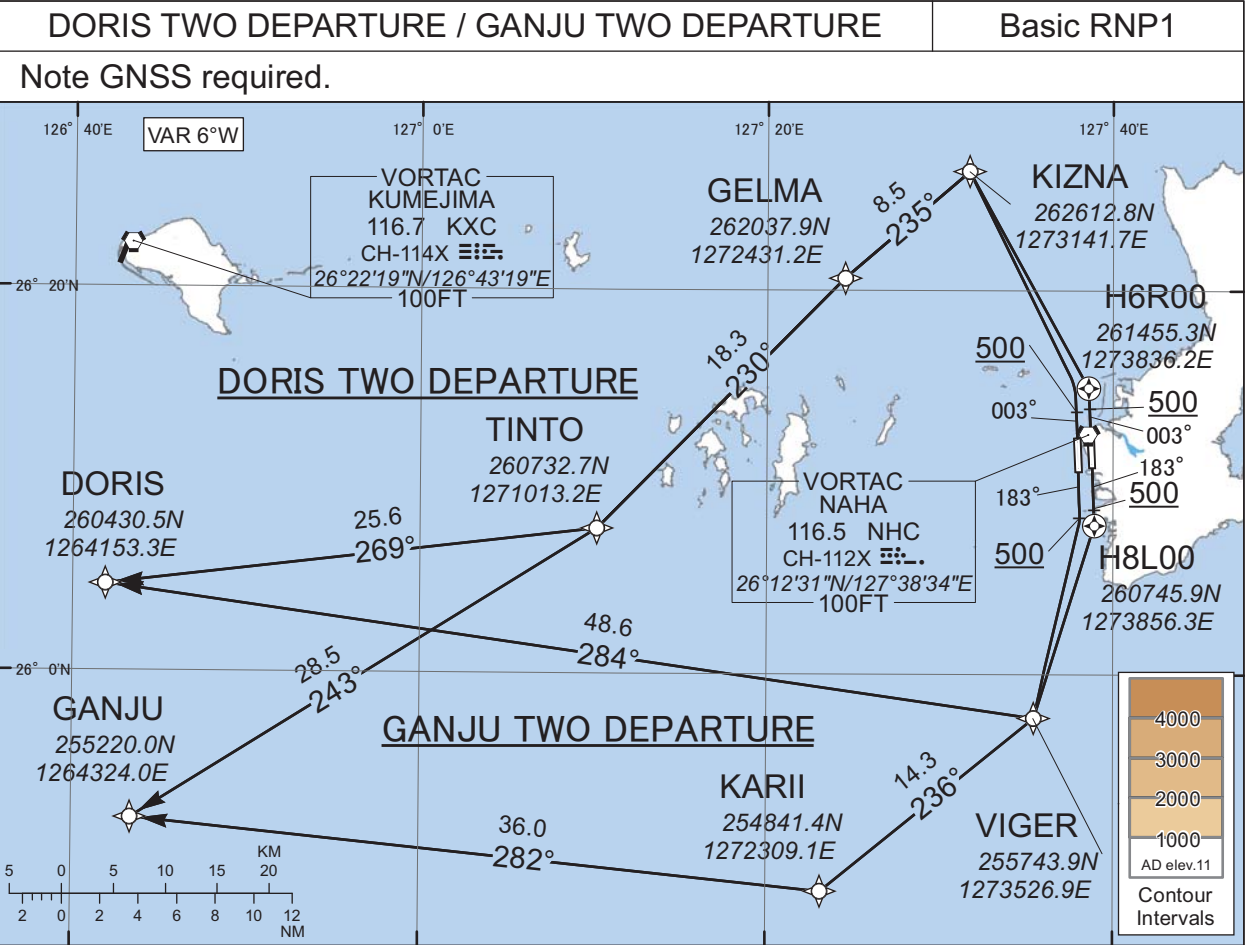
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | KIZNA | - | - | -5.6 | - | - | - | - | - | Basic RNP1 |
| 002 | TF | VOLVO | - | 026 (020.3) | -5.6 | 48.6 | - | - | - | - | Basic RNP1 |
| 003 | TF | YUGAF | - | 051 (045.7) | -5.6 | 23.2 | - | - | - | - | Basic RNP1 |
| 004 | TF | AMAMI | - | 057 (051.9) | -5.6 | 95.9 | - | - | - | - | Basic RNP1 |

CHANGE : Navigation specification.

STANDARD DEPARTURE CHART-INSTRUMENT

ROAH / NAHA

RNAV SID



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 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 : Description of VAR.

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 | - | - | Basic RNP1 |
| 002 | DF | H8L00 | Y | - | -5.6 | - | - | - | - | - | Basic RNP1 |
| 003 | DF | VIGER | - | - | -5.6 | - | R | - | - | - | Basic RNP1 |
| 004 | TF | DORIS | - | 284 (278.2) | -5.6 | 48.6 | - | - | - | - | Basic 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 | - | - | Basic RNP1 |
| 002 | DF | VIGER | - | - | -5.6 | - | R | - | - | - | Basic RNP1 |
| 003 | TF | DORIS | - | 284 (278.2) | -5.6 | 48.6 | - | - | - | - | Basic 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 | - | - | Basic RNP1 |
| 002 | DF | H6R00 | Y | - | -5.6 | - | - | - | - | - | Basic RNP1 |
| 003 | DF | KIZNA | - | - | -5.6 | - | L | - | - | - | Basic RNP1 |
| 004 | TF | GELMA | - | 235 (229.0) | -5.6 | 8.5 | - | - | - | - | Basic RNP1 |
| 005 | TF | TINTO | - | 230 (224.5) | -5.6 | 18.3 | - | - | - | - | Basic RNP1 |
| 006 | TF | DORIS | - | 269 (263.3) | -5.6 | 25.6 | - | - | - | - | Basic 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 | - | - | Basic RNP1 |
| 002 | DF | KIZNA | - | - | -5.6 | - | L | - | - | - | Basic RNP1 |
| 003 | TF | GELMA | - | 235 (229.0) | -5.6 | 8.5 | - | - | - | - | Basic RNP1 |
| 004 | TF | TINTO | - | 230 (224.5) | -5.6 | 18.3 | - | - | - | - | Basic RNP1 |
| 005 | TF | DORIS | - | 269 (263.3) | -5.6 | 25.6 | - | - | - | - | Basic RNP1 |

CHANGE : PROC renamed. Navigation specification.

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 | - | - | Basic RNP1 |
| 002 | DF | H8L00 | Y | - | -5.6 | - | - | - | - | - | Basic RNP1 |
| 003 | DF | VIGER | - | - | -5.6 | - | R | - | - | - | Basic RNP1 |
| 004 | TF | KARII | - | 236 (230.8) | -5.6 | 14.3 | - | - | - | - | Basic RNP1 |
| 005 | TF | GANJU | - | 282 (276.0) | -5.6 | 36.0 | - | - | - | - | Basic 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 | - | - | Basic RNP1 |
| 002 | DF | VIGER | - | - | -5.6 | - | R | - | - | - | Basic RNP1 |
| 003 | TF | KARII | - | 236 (230.8) | -5.6 | 14.3 | - | - | - | - | Basic RNP1 |
| 004 | TF | GANJU | - | 282 (276.0) | -5.6 | 36.0 | - | - | - | - | Basic 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 | - | - | Basic RNP1 |
| 002 | DF | H6R00 | Y | - | -5.6 | - | - | - | - | - | Basic RNP1 |
| 003 | DF | KIZNA | - | - | -5.6 | - | L | - | - | - | Basic RNP1 |
| 004 | TF | GELMA | - | 235 (229.0) | -5.6 | 8.5 | - | - | - | - | Basic RNP1 |
| 005 | TF | TINTO | - | 230 (224.5) | -5.6 | 18.3 | - | - | - | - | Basic RNP1 |
| 006 | TF | GANJU | - | 243 (237.8) | -5.6 | 28.5 | - | - | - | - | Basic 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 | - | - | Basic RNP1 |
| 002 | DF | KIZNA | - | - | -5.6 | - | L | - | - | - | Basic RNP1 |
| 003 | TF | GELMA | - | 235 (229.0) | -5.6 | 8.5 | - | - | - | - | Basic RNP1 |
| 004 | TF | TINTO | - | 230 (224.5) | -5.6 | 18.3 | - | - | - | - | Basic RNP1 |
| 005 | TF | GANJU | - | 243 (237.8) | -5.6 | 28.5 | - | - | - | - | Basic RNP1 |

CHANGE : PROC renamed. Navigation specification.

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

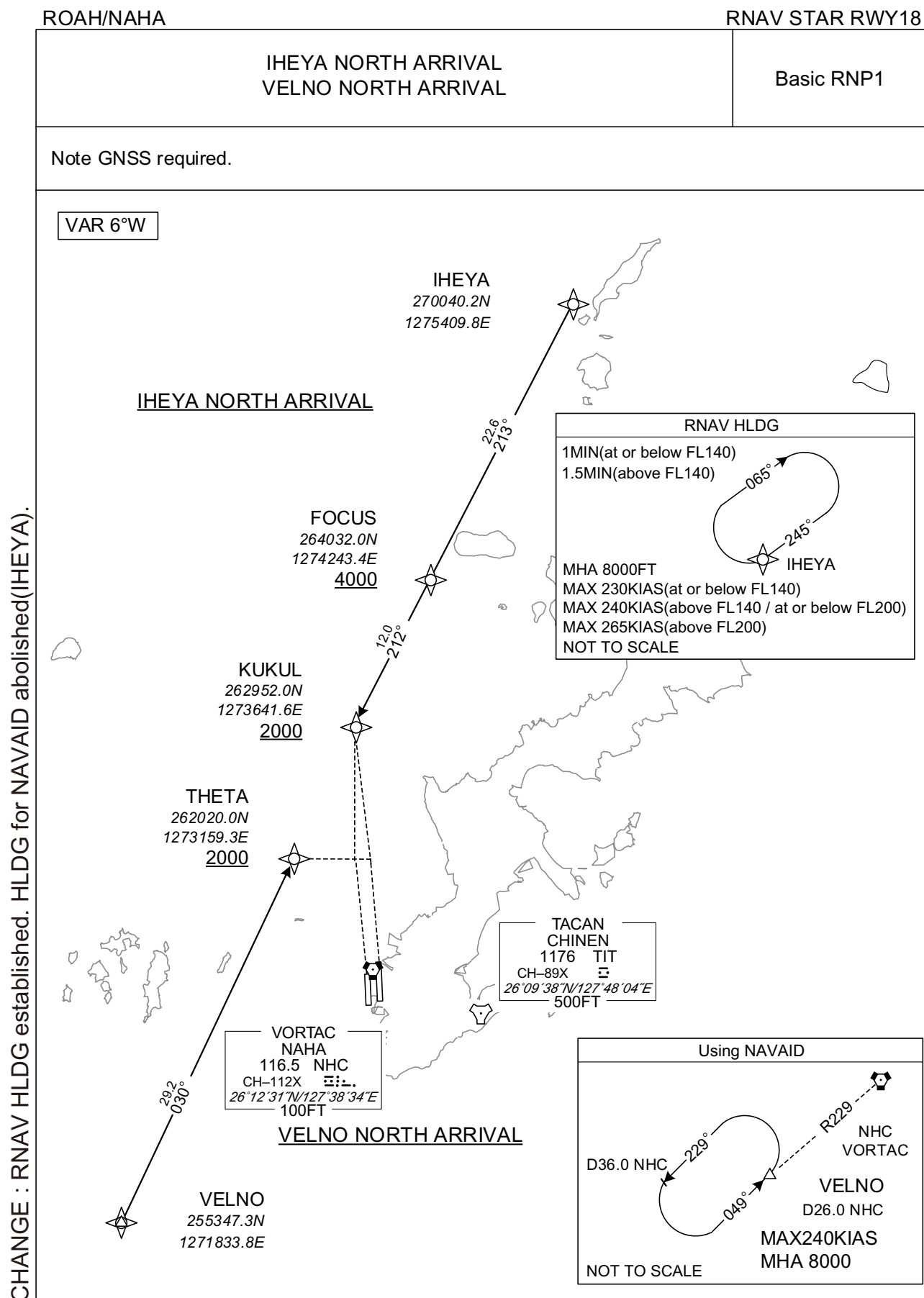
STANDARD ARRIVAL CHART-INSTRUMENT

ROAH/NAHA

STAR



STANDARD ARRIVAL CHART-INSTRUMENT



ROAH / NAHA

IHEYA NORTH ARRIVAL

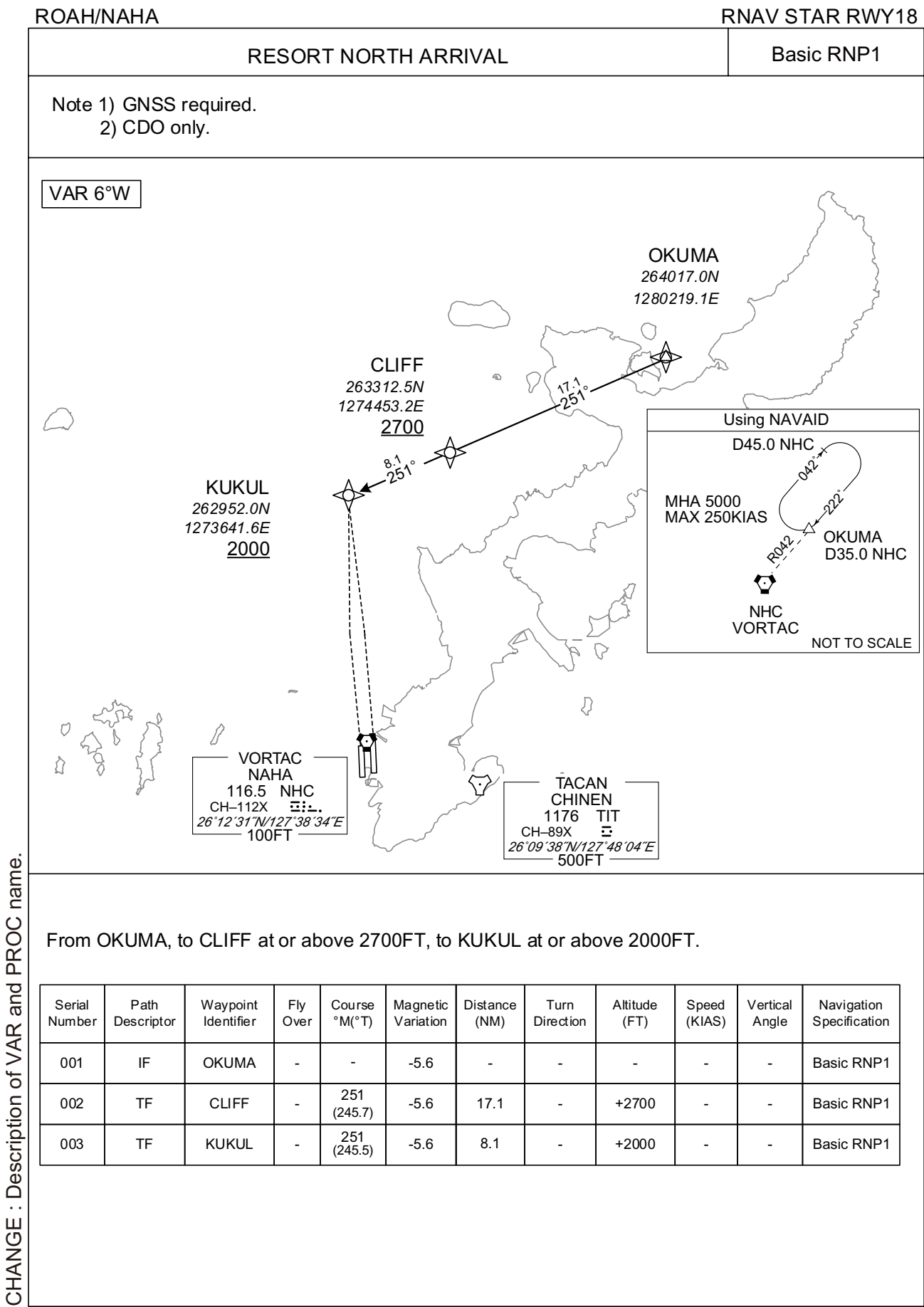
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | IHEYA | - | - | -5.6 | - | - | - | - | - | Basic RNP1 |
| 002 | TF | FOCUS | - | 213 (206.9) | -5.6 | 22.6 | - | +4000 | - | - | Basic RNP1 |
| 003 | TF | KUKUL | - | 212 (206.8) | -5.6 | 12.0 | - | +2000 | - | - | Basic 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) | Basic RNP1 |

| 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 | - | - | - | - | - | Basic RNP1 |
| 002 | TF | THETA | - | 030 (024.4) | -5.6 | 29.2 | - | +2000 | - | - | Basic RNP1 |

Civil Aviation Bureau, Japan (EFF:20 APR 2023)

STANDARD ARRIVAL CHART-INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT

ROAH/NAHA

RNAV STAR RWY18

GUPTI NORTH ARRIVAL
ENTOK NORTH ARRIVAL

Basic RNP1

Note 1) GNSS required. 2) CDO only.

VAR 6°W

GUPTI NORTH ARRIVAL

GUPTI
290124.5N
1280918.7E
FL200

IHEYA
270040.2N
1275409.8E

KUKUL
262952.0N
1273641.6E
2000

ENTOK
261914.3N
1245953.8E
FL170

YEEZY
262018.1N
1265032.5E
2100

THETA
262020.0N
1273159.3E
2000

ENTOK NORTH ARRIVAL

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

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

CHANGE : Description of VAR.

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

Basic RNP1

Note GNSS required.

VAR 6°W

RNAV HLDG

1MIN(at or below FL140)
1.5MIN(above FL140)MHA 8000FT
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140 / at or below FL200)
MAX 265KIAS(above FL200)
NOT TO SCALE

Using NAVAID

D36.0 NHC
229°
049°
NHC
VORTAC
VELNO
D26.0 NHC
MAX240KIAS
MHA 8000
NOT TO SCALEVORTAC
NAHA
116.5 NHC
CH-112X
26°12'31"N/127°38'34"E
100FT

VELNO SOUTH ARRIVAL

TACAN
CHINEN
1176 TIT
CH-89X
26°09'38"N/127°48'04"E
500FTSEIFA
260303.9N
1274448.5E
2000VIGER
255743.9N
1273526.9E
2000VELNO
255347.3N
1271833.8EIHEYA
270040.2N
1275409.8E

IHEYA SOUTH ARRIVAL

HASSA
262334.1N
1275516.0E
11000

CHANGE : RNAV HLDG established. HLDG for NAVAID abolished(IHEYA).

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

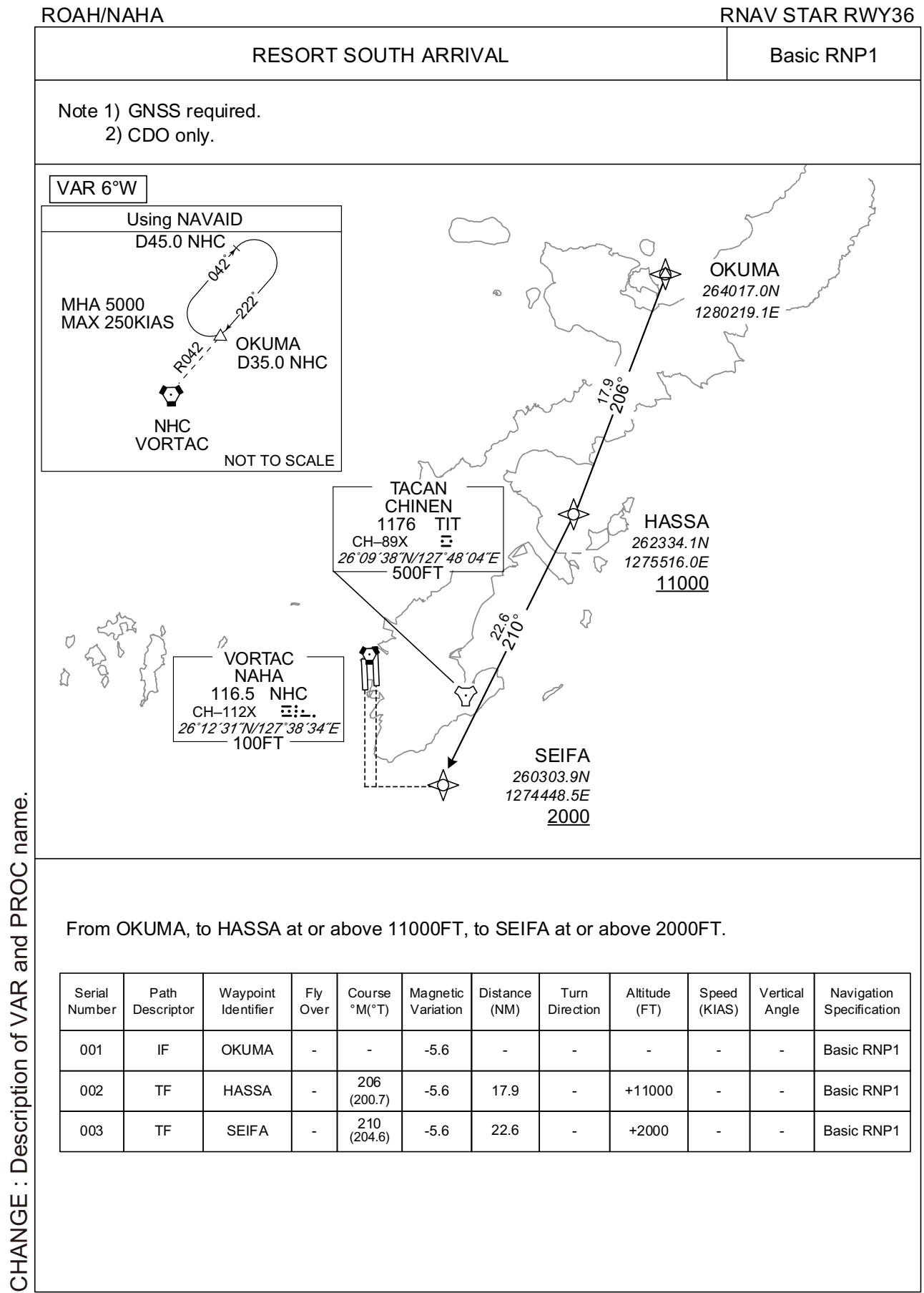
VELNO SOUTH ARRIVAL

From VELNO, to VIGER at or above 2000FT.

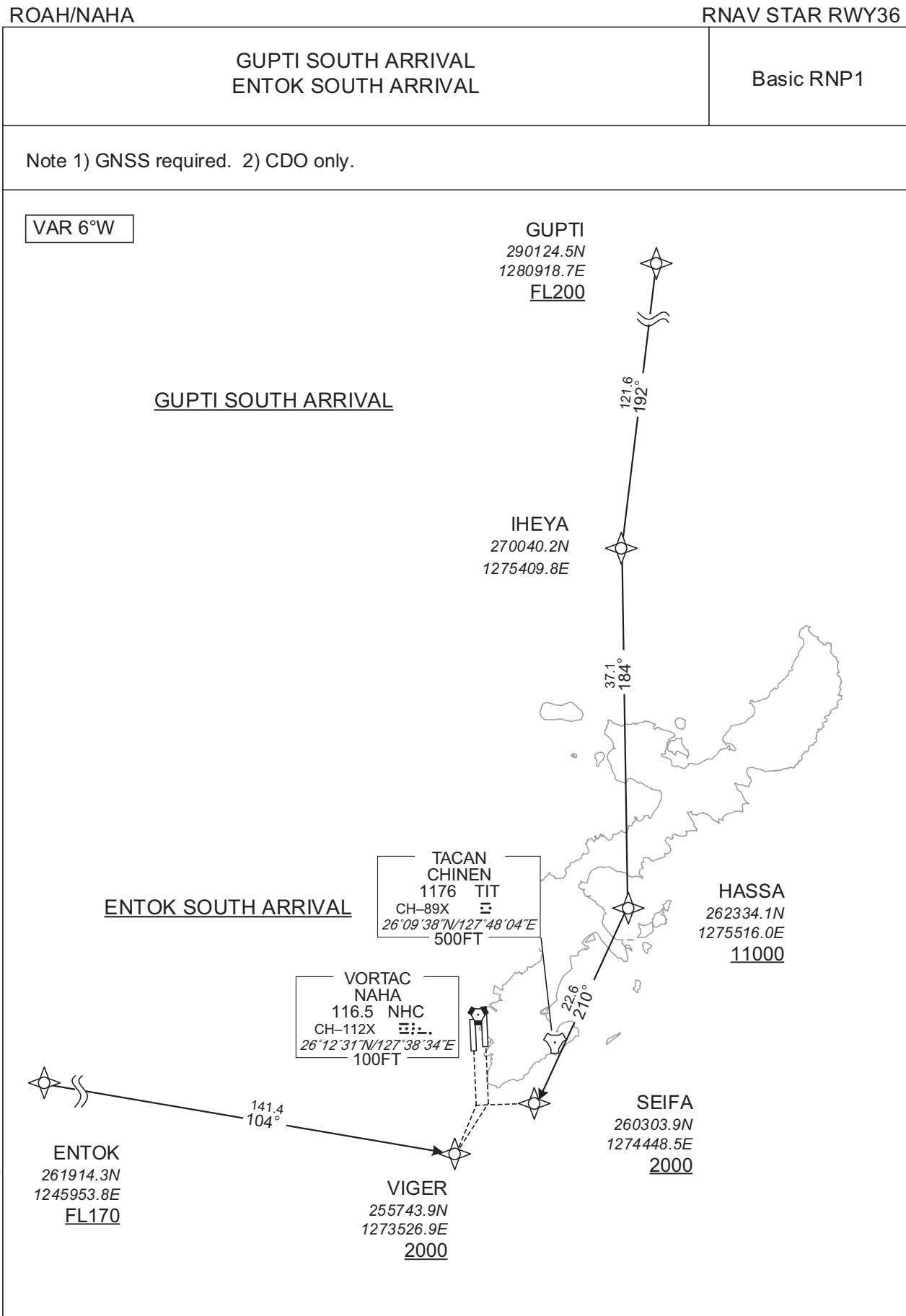
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | VELNO | - | - | -5.6 | - | - | - | - | - | Basic RNP1 |
| 002 | TF | VIGER | - | 081 (075.4) | -5.6 | 15.7 | - | +2000 | - | - | Basic RNP1 |

CHANGE : RNAV HLDG established.

STANDARD ARRIVAL CHART-INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT



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.

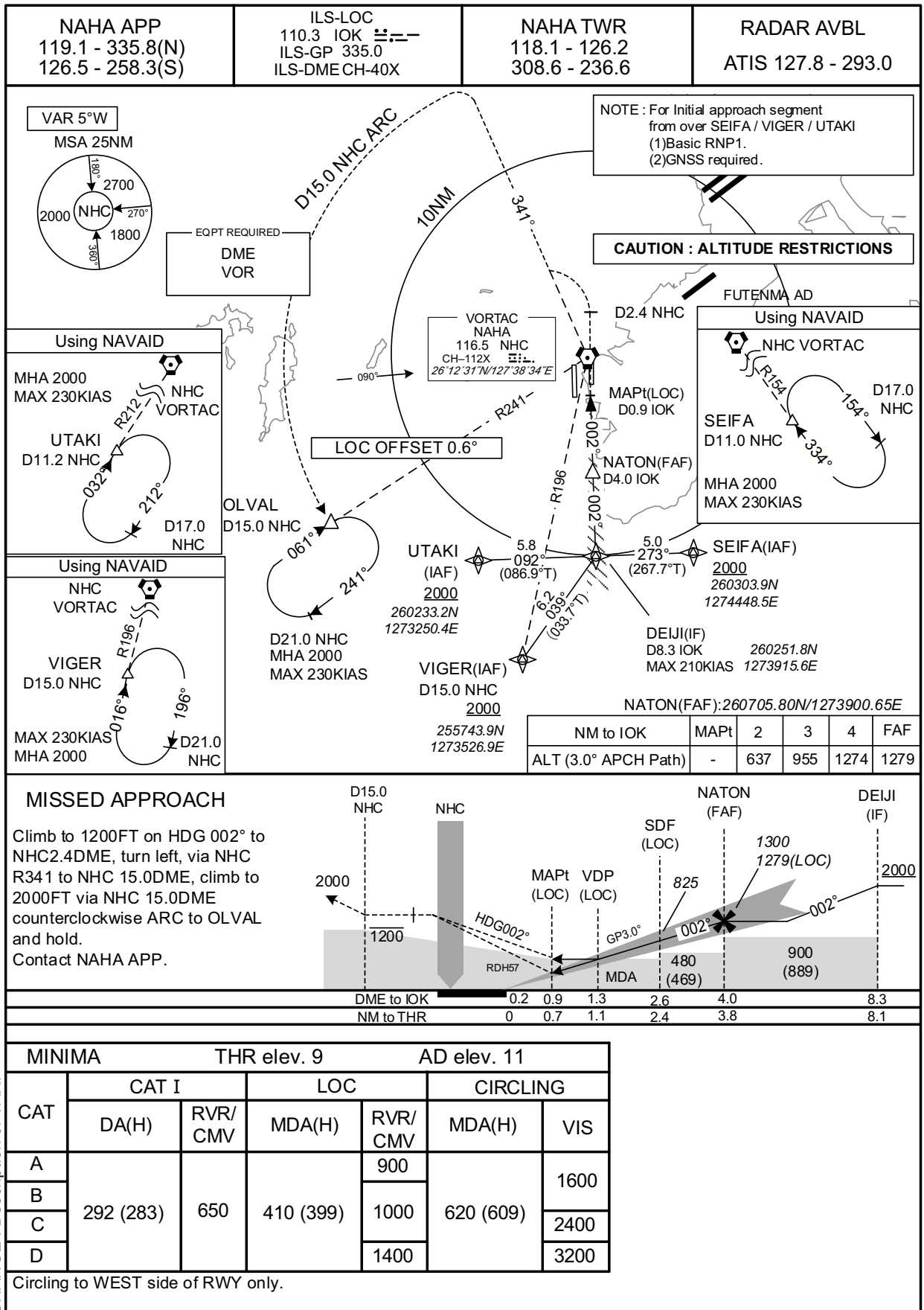
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 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



INSTRUMENT APPROACH CHART

ROAH / NAHA

ILS Y or LOC Y RWY36R

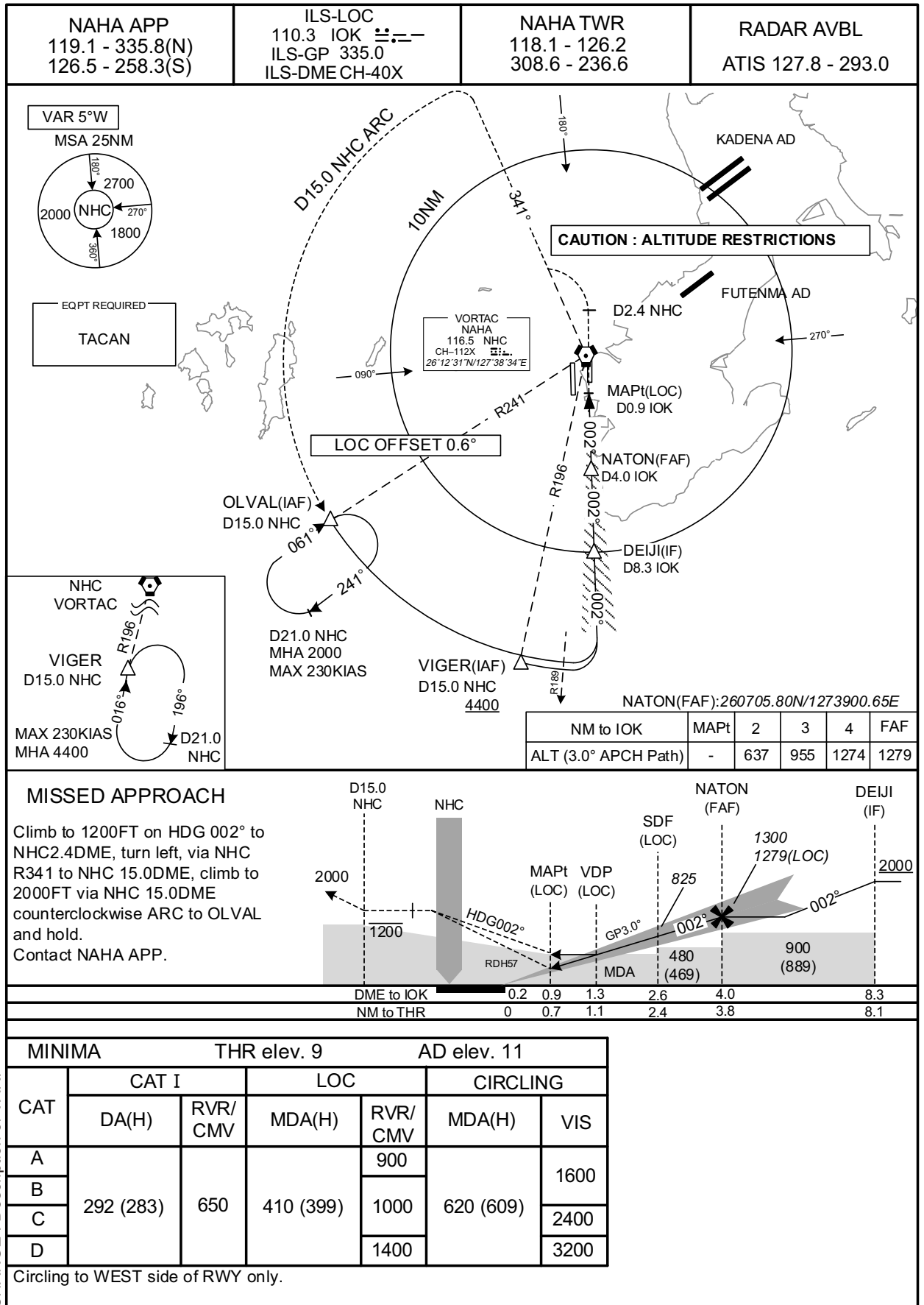


CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

ROAH / NAHA

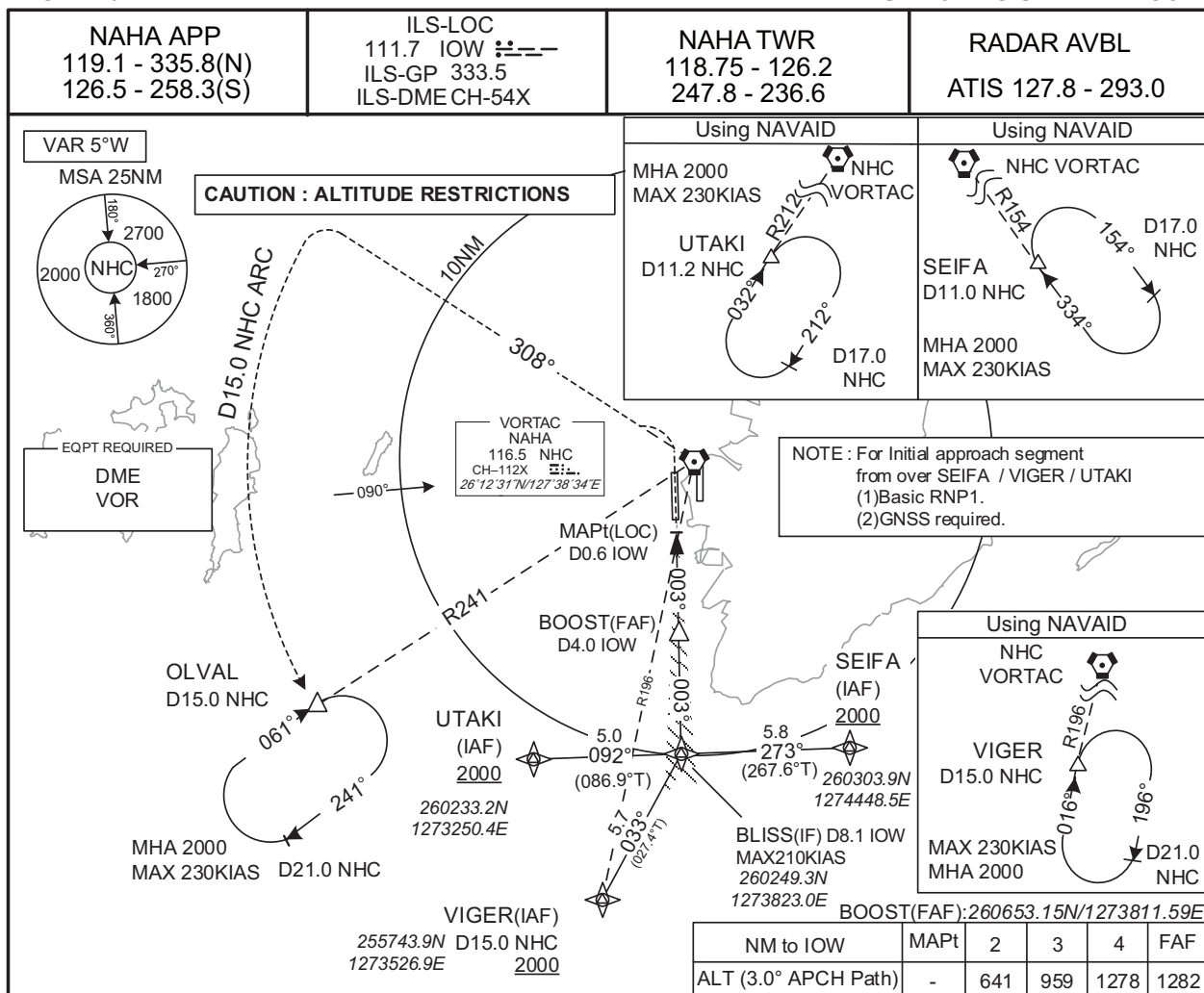
ILS X or LOC X RWY36R



INSTRUMENT APPROACH CHART

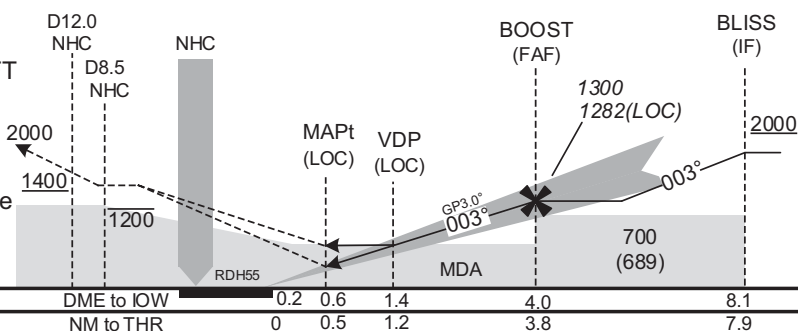
ROAH / NAHA

ILS Z or LOC Z RWY36L



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 | | 2400 |
| C | | | | 1400 | | 3200 |
| D | | | | | | |

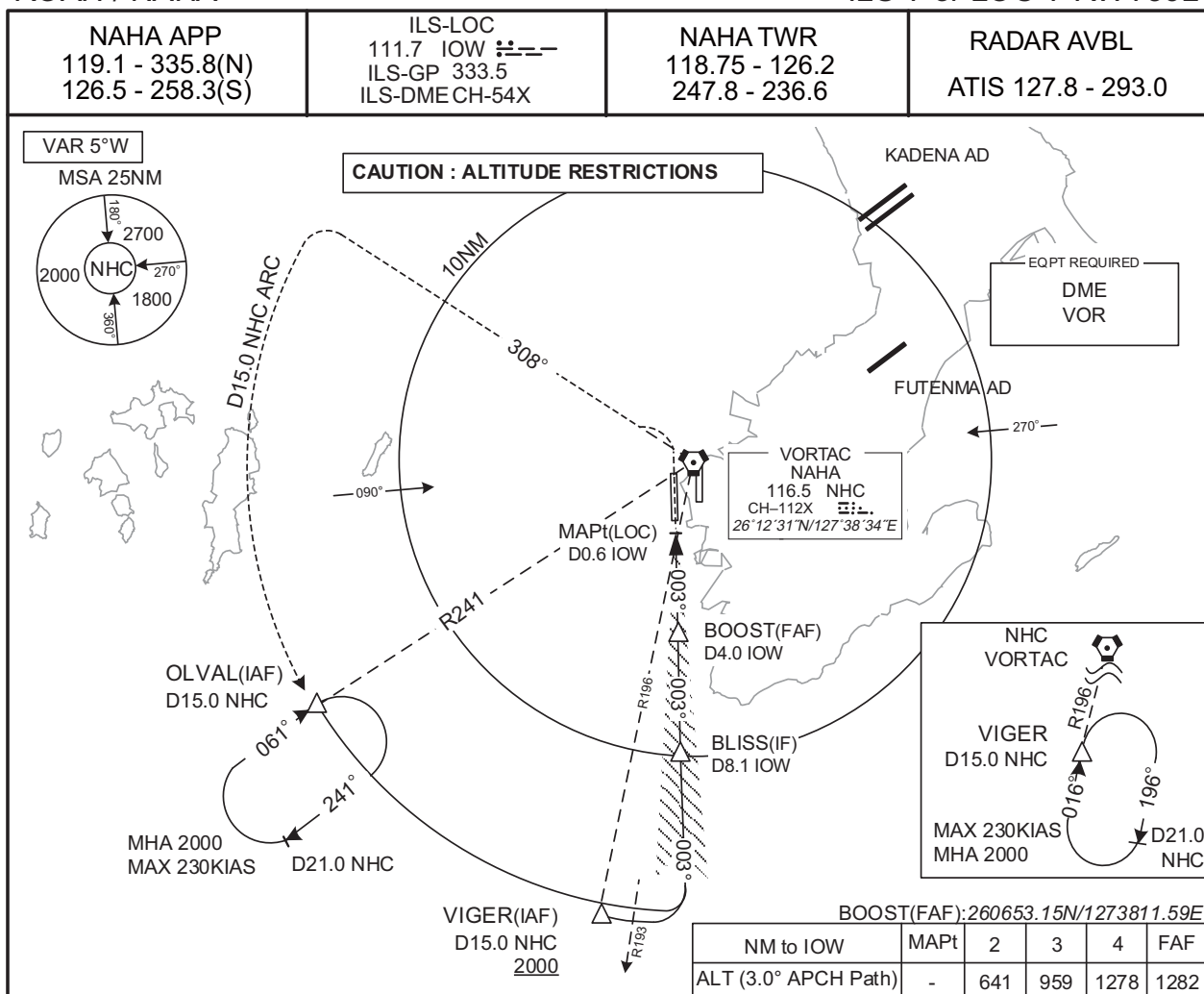
Circling to WEST side of RWY only.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

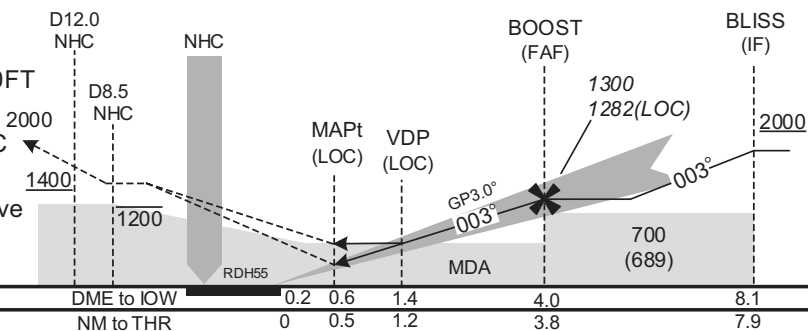
ROAH / NAHA

ILS Y or LOC Y RWY36L



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 | | | | 1400 | | |
| D | | | | 1400 | | |

Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA

ILS X or LOC X RWY36L



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 2000
 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 | | | | | | |

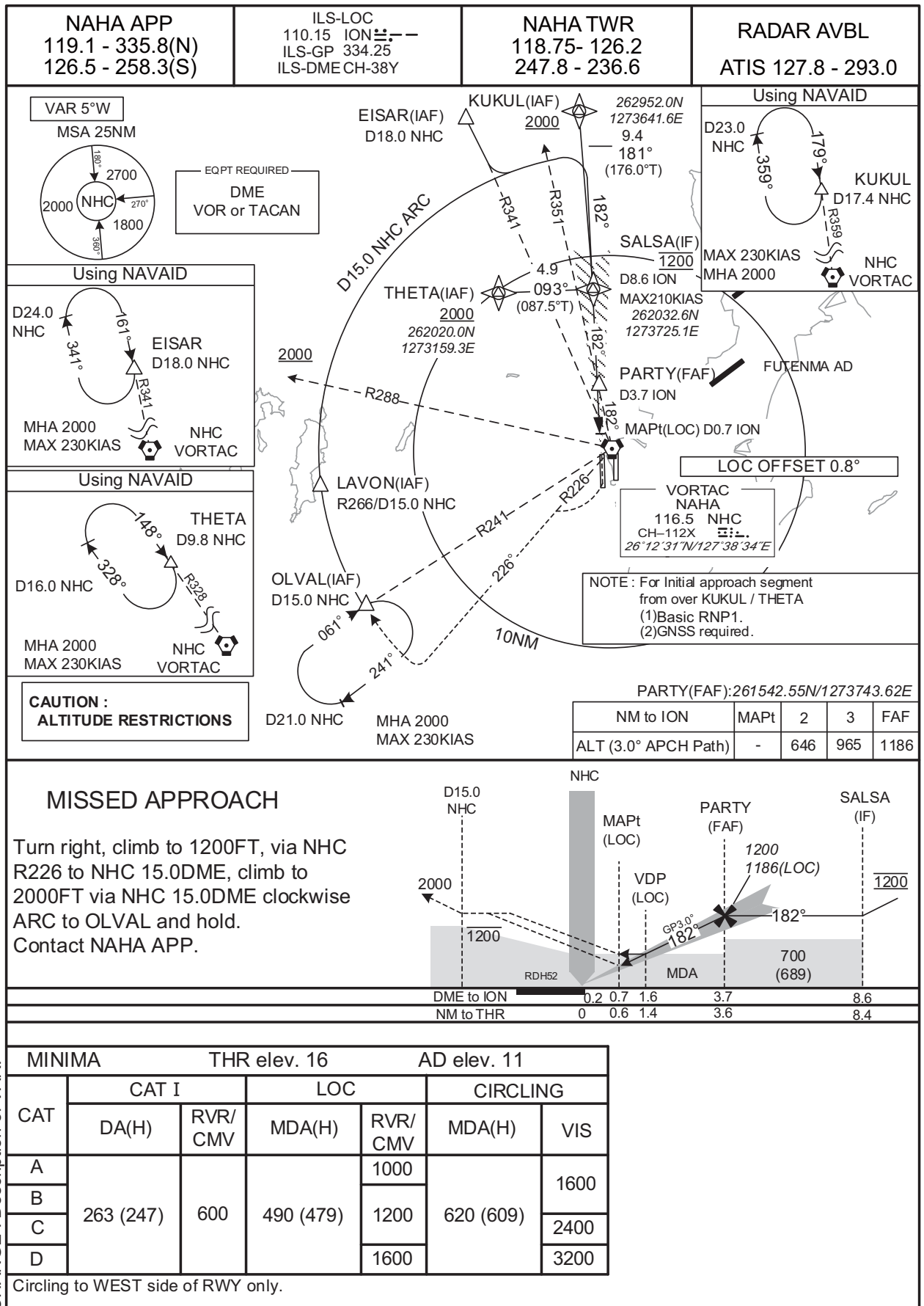
Circling to WEST side of RWY only.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

ROAH / NAHA

ILS or LOC RWY18R



INSTRUMENT APPROACH CHART

ROAH / NAHA

RNP RWY36R



CHANGE : Description of VAR.

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 | 410 (401) | 900 | 410 (399) | 900 | 620 (609) | 1600 | | |
| B | | 1000 | | 1000 | | 2400 | | |
| C | | | | | | 3200 | | |
| D | | 1400 | | 1400 | | | | |

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.

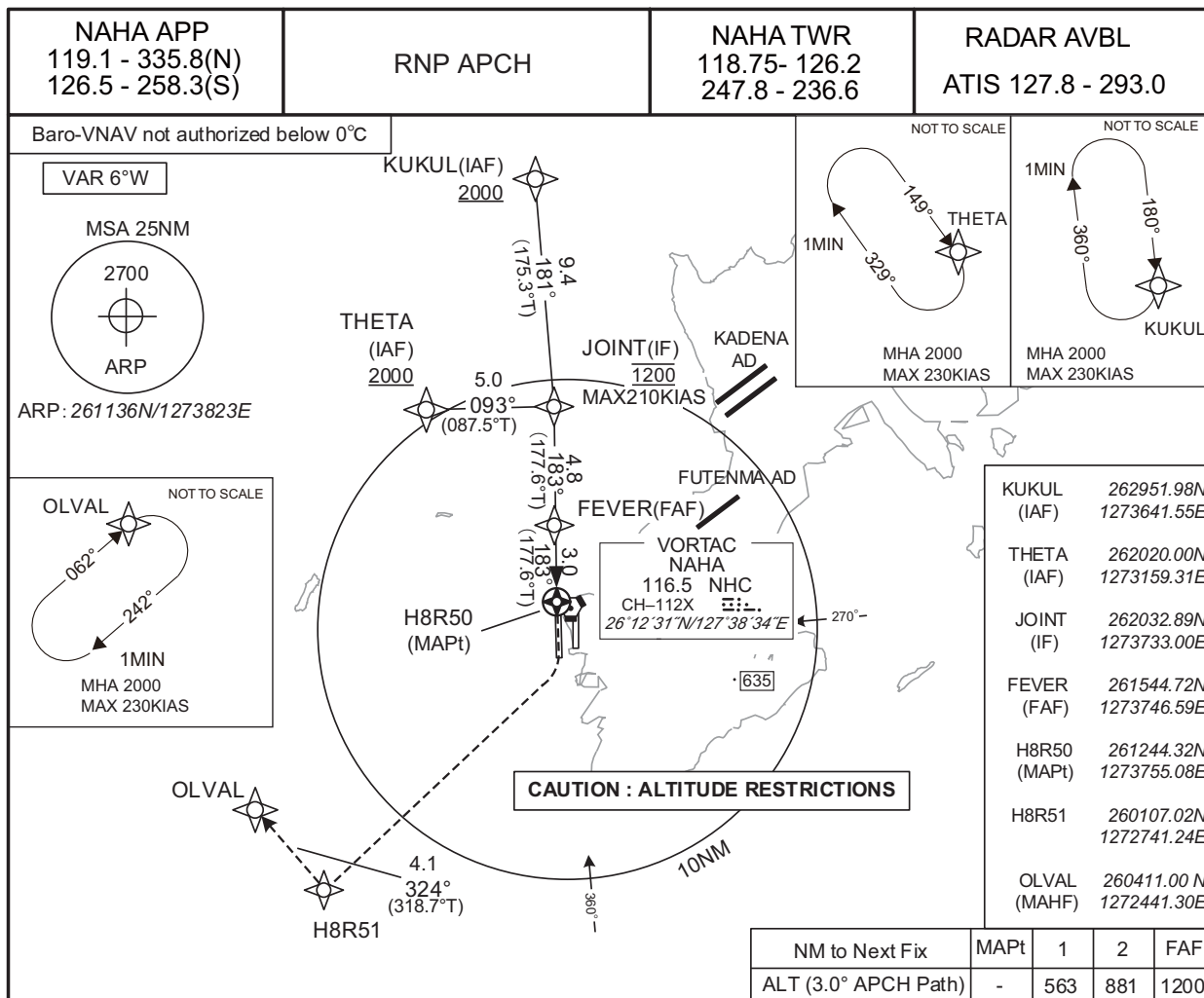
| CAT | MINIMA | | THR elev. 14 | | AD elev. 11 | |
|-----|-----------|---------|--------------|---------|-------------|------|
| | LNAV/VNAV | | LNAV | | CIRCLING | |
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 370 (356) | 900 | 370 (359) | 900 | 620 (609) | 1600 |
| B | | 1000 | |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

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.



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 | | 2400 |
| C | | 1600 | | 1600 | | 3200 |
| D | | | | | | |

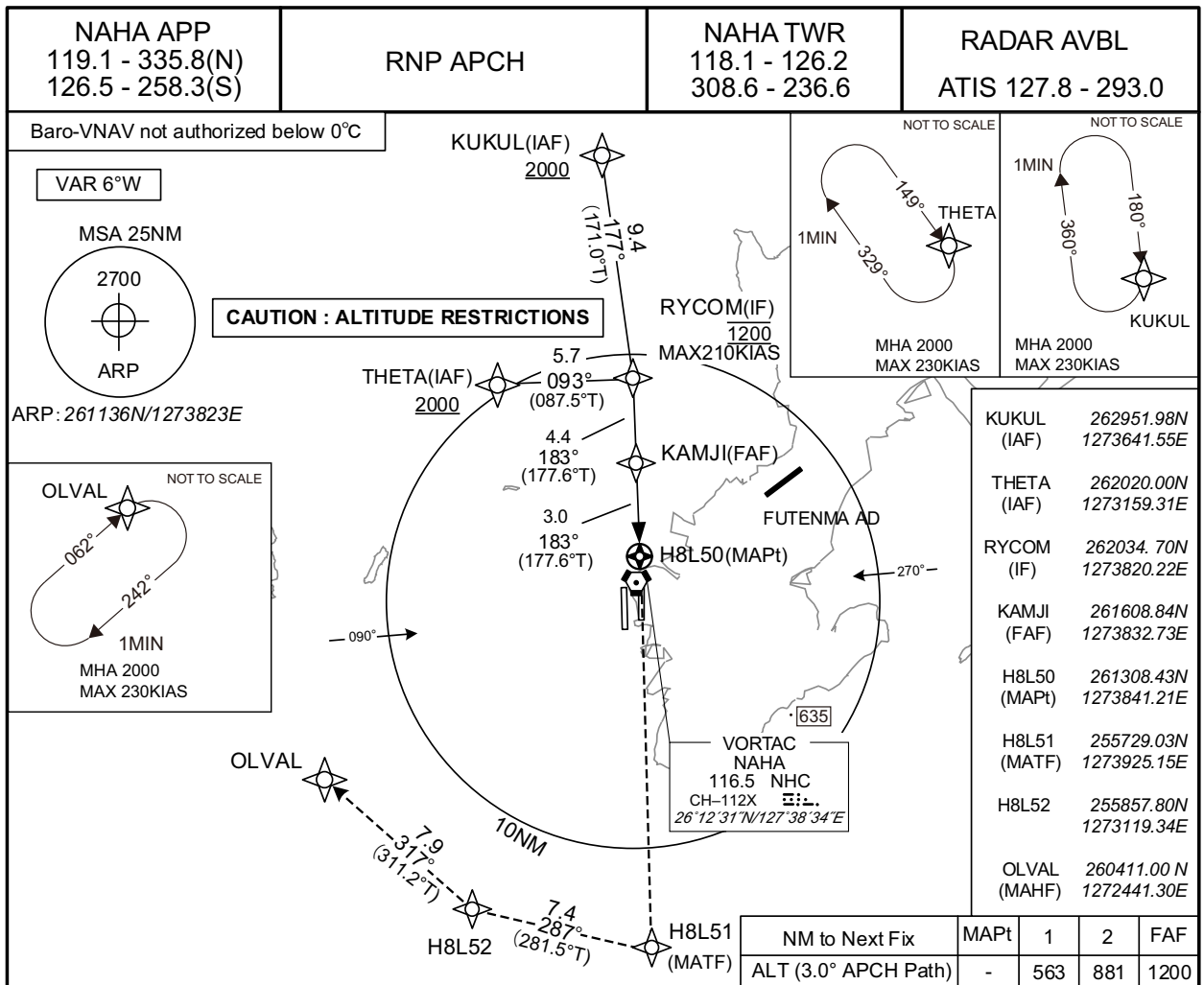
Circling to WEST side of RWY only.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

ROAH / NAHA

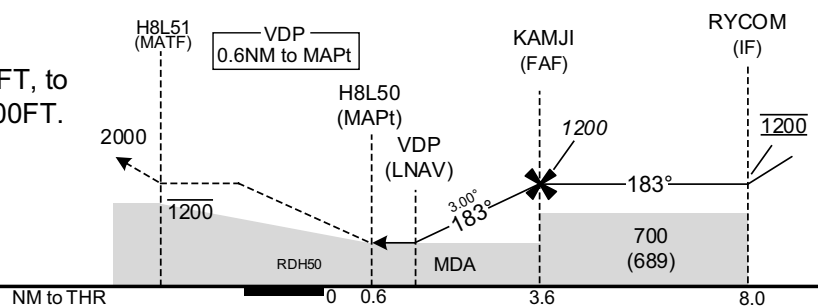
RNP RWY18L



MISSED APPROACH

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

Contact NAHA APP.



CHANGE : Description of VAR.

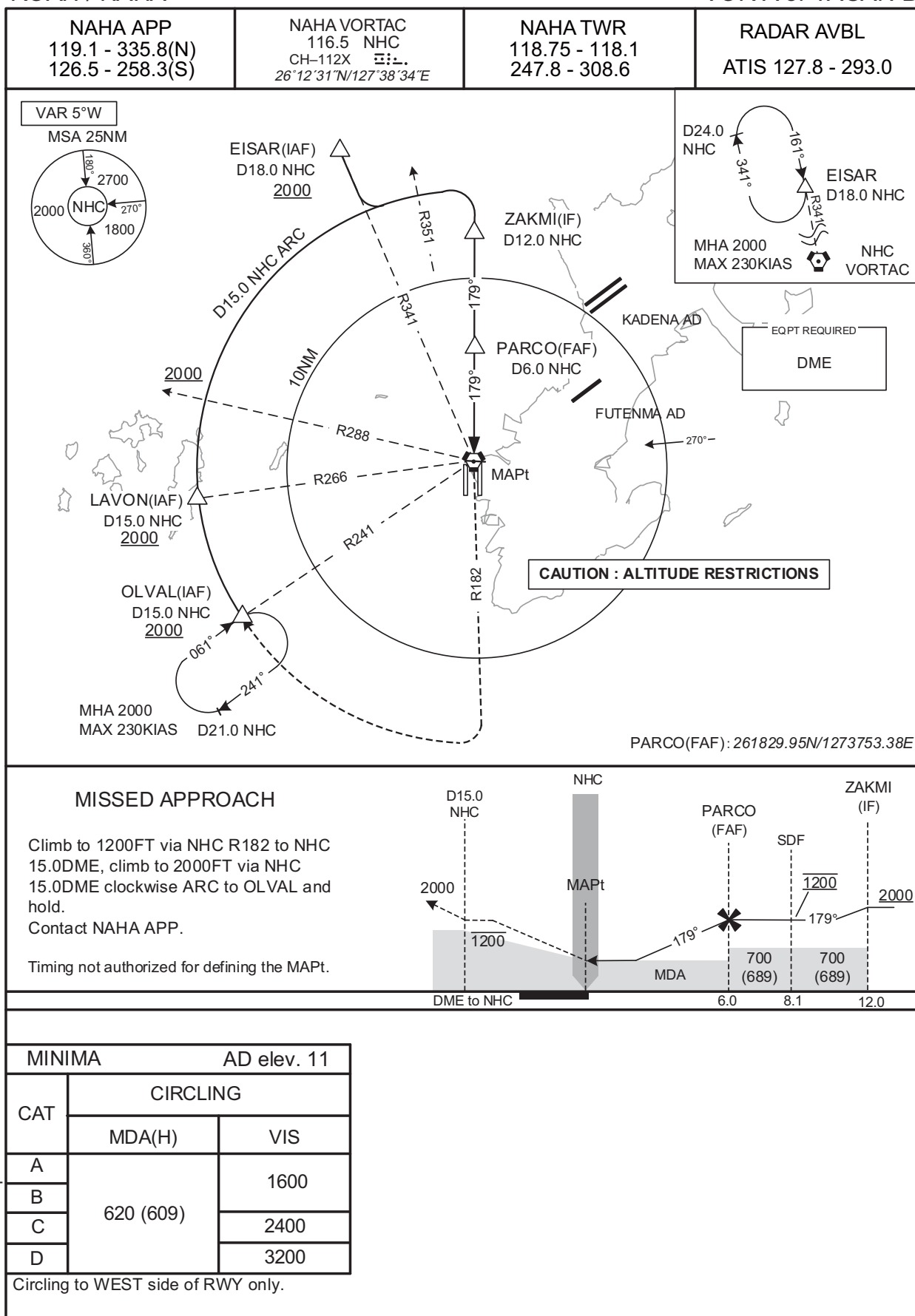
| MINIMA | | THR elev. 11 | | AD elev. 11 | | |
|--------|-----------|--------------|-----------|-------------|-----------|------|
| CAT | LNAV/VNAV | | LNAV | | CIRCLING | |
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 430 (419) | 1200 | 430 (419) | 1200 | 620 (609) | 1600 |
| B | | 1300 | | 1300 | | |
| C | | 1400 | | 1400 | | |
| D | | 1600 | | 1600 | | |

Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA

VOR A or TACAN B

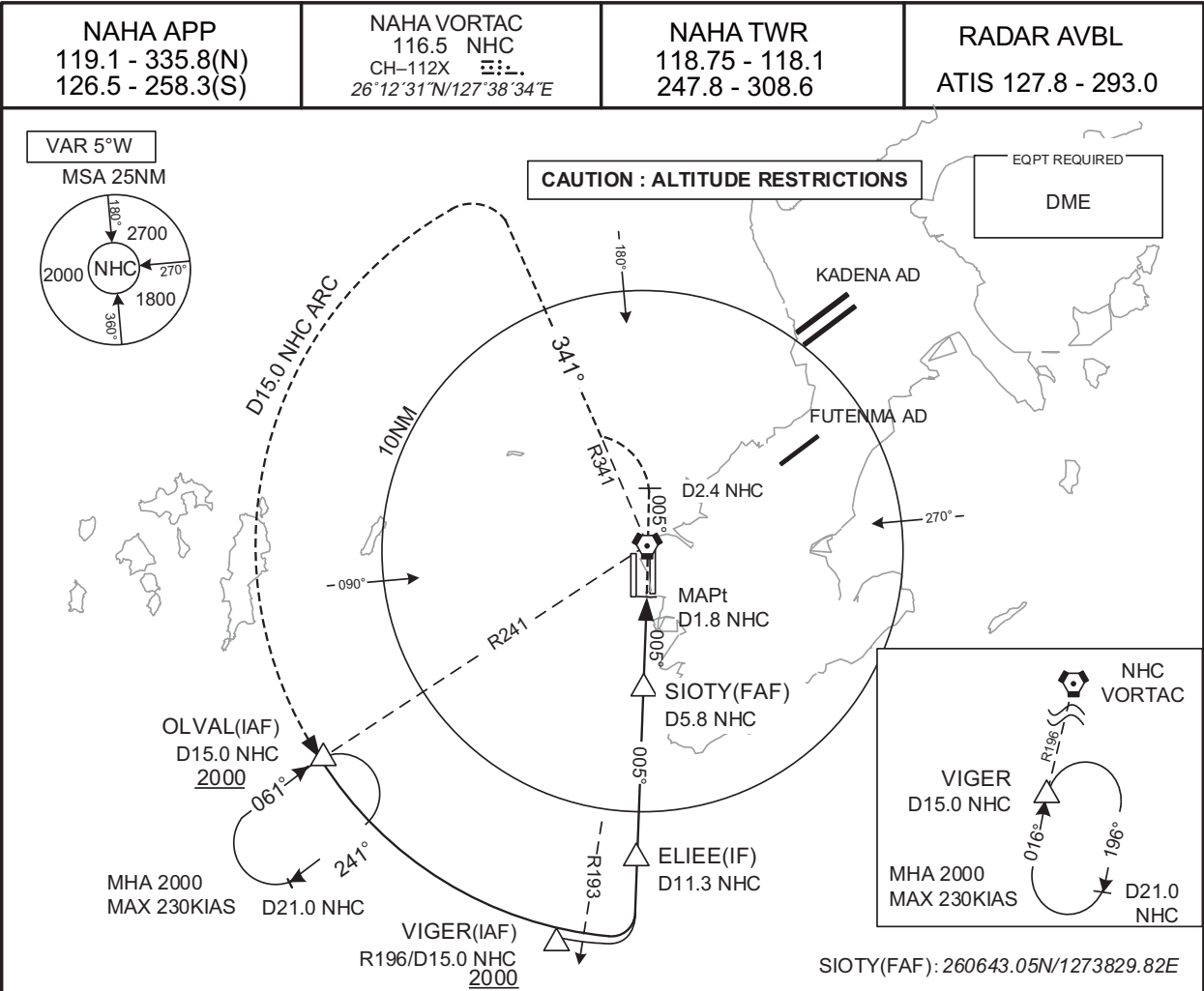


CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

ROAH / NAHA

VOR C

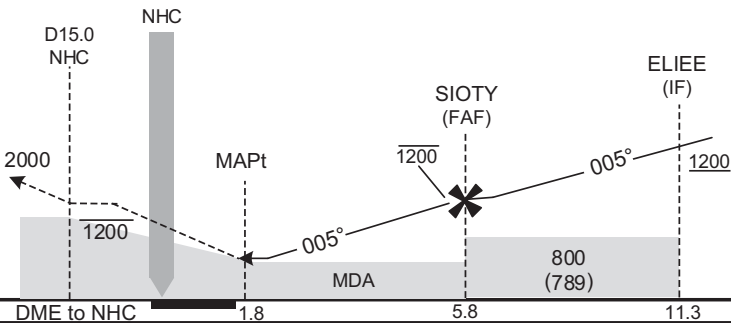


MISSED APPROACH

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.



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

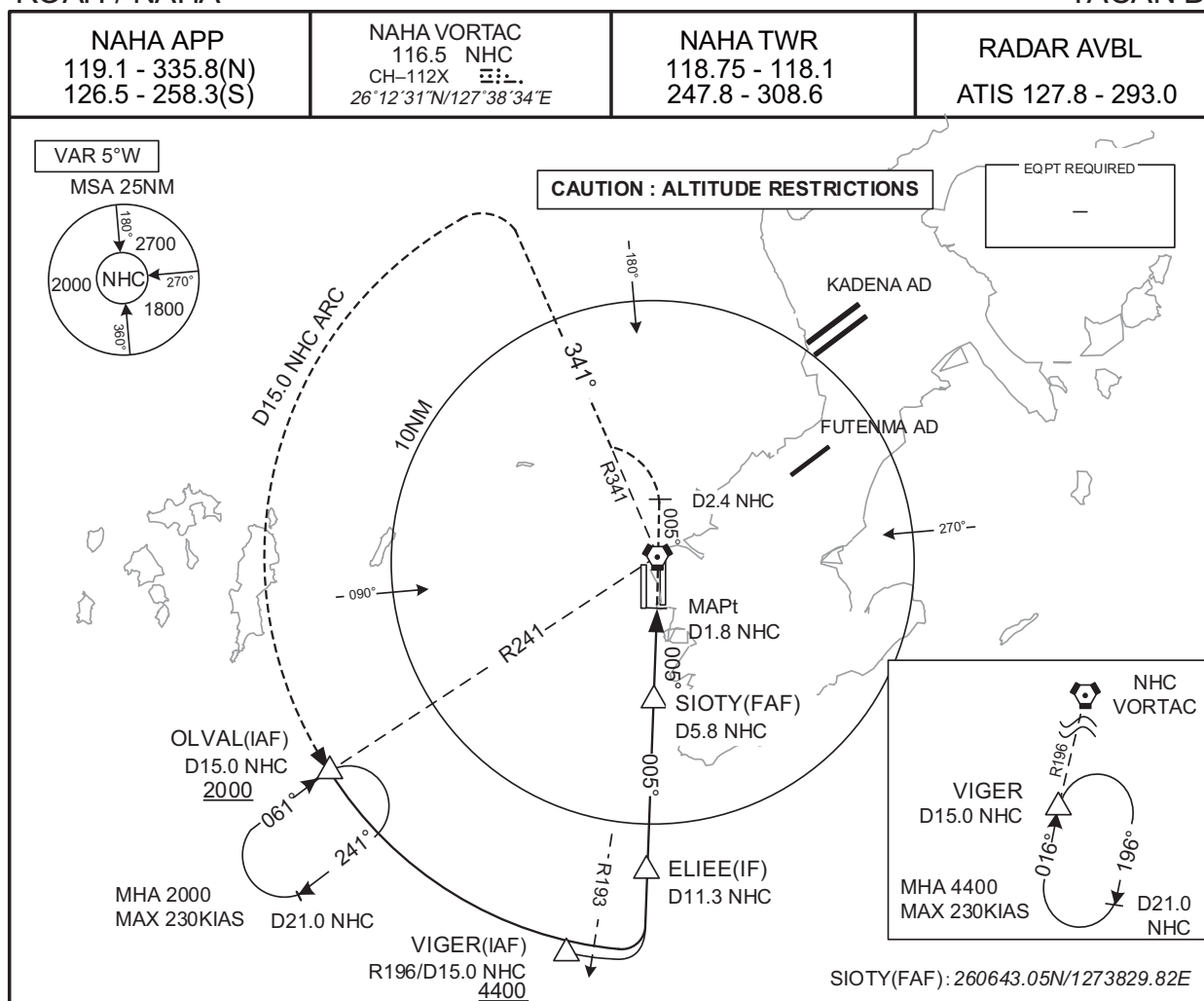
Circling to WEST side of RWY only.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

ROAH / NAHA

TACAN D

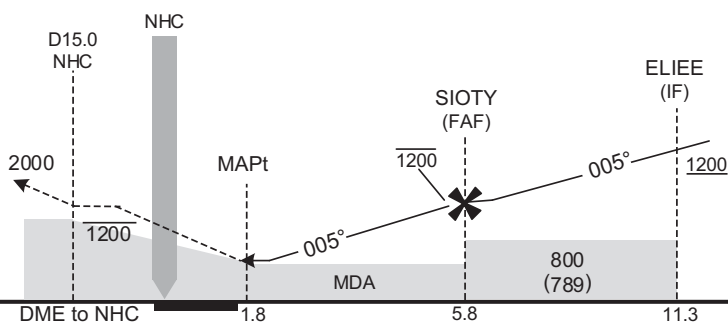


MISSED APPROACH

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.



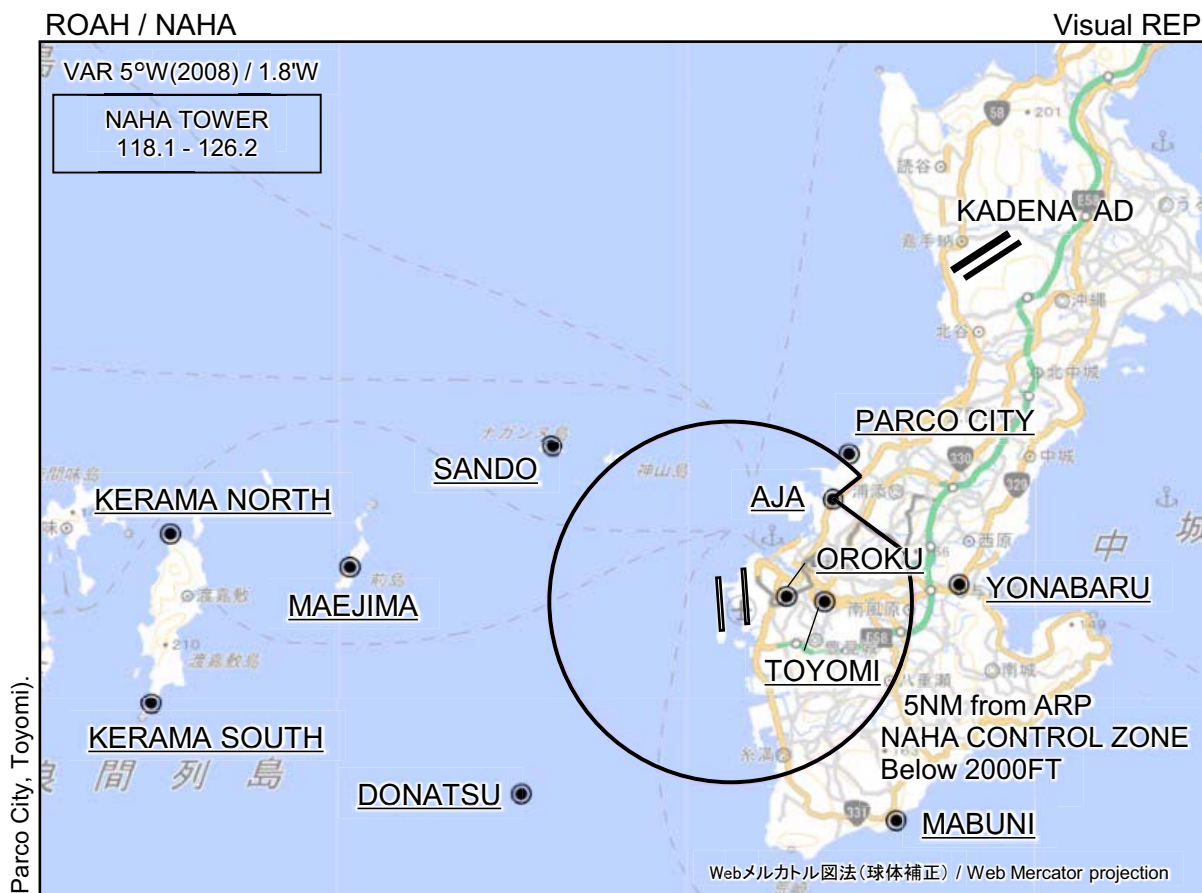
MINIMA

AD elev. 11

| CAT | CIRCLING | |
|-----|-----------|------|
| | MDA(H) | VIS |
| A | 700 (689) | 1600 |
| B | | 2400 |
| C | | 3200 |
| D | | |

Circling to WEST side of RWY only.

CHANGE : Description of VAR.



※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).

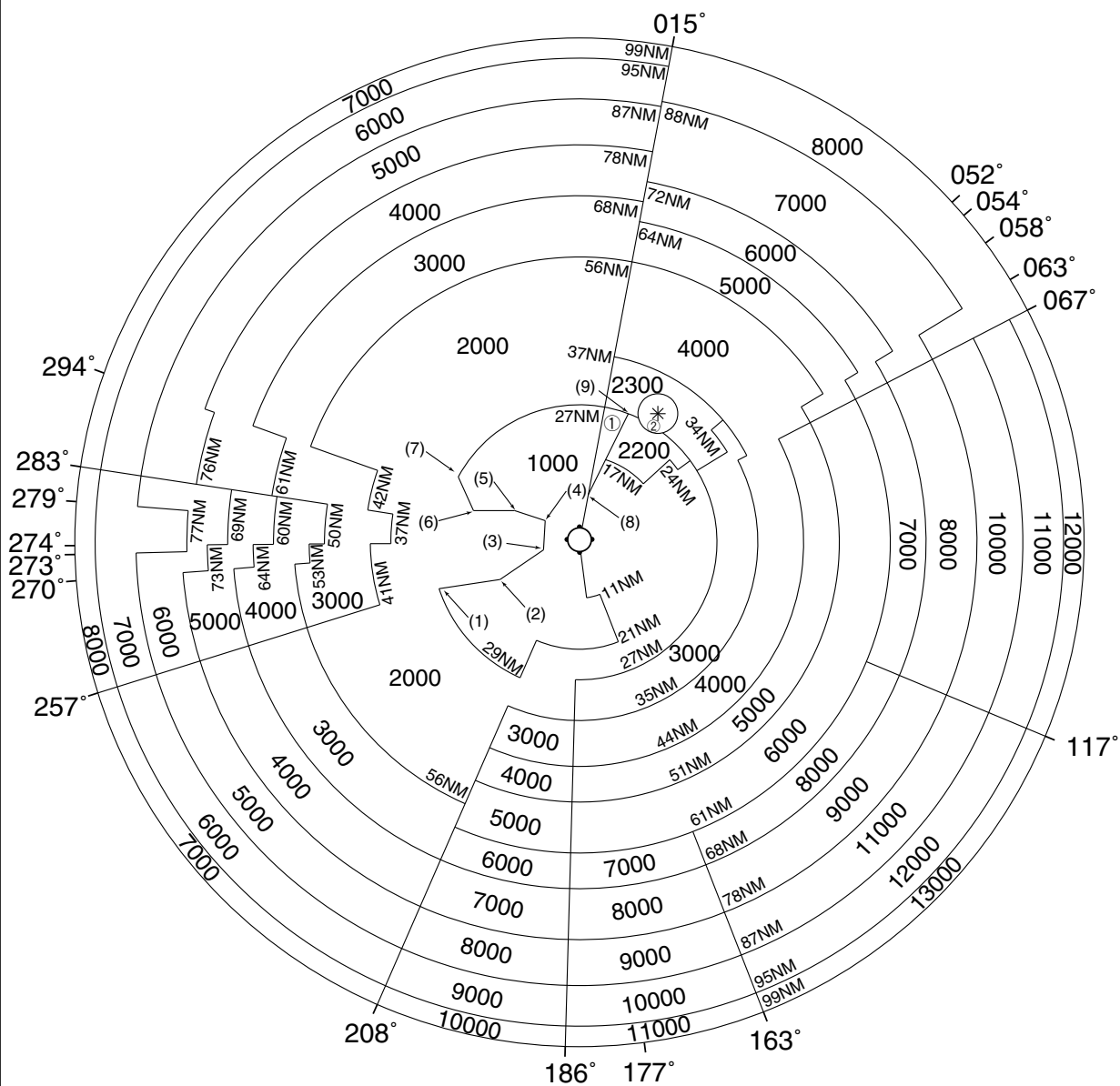
CHANGE : Map updated. BRG/DIST from ARP. Visual REP established(Oroku, Parco City, Toyomi).

| 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号線与那原交差点 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 (6) 261829N/1271524E CENTER: 261231N/1273834E (NHC)
 ② 2600 (2) 260459N/1272121E (7) 262505N/1271157E * : 263759N/1275528E
 (3) 261057N/1273045E (8) 262154N/1274025E RADIUS 3.9NM
 (4) 261640N/1273102E (9) 263755N/1274900E
 (5) 261835N/1272422E