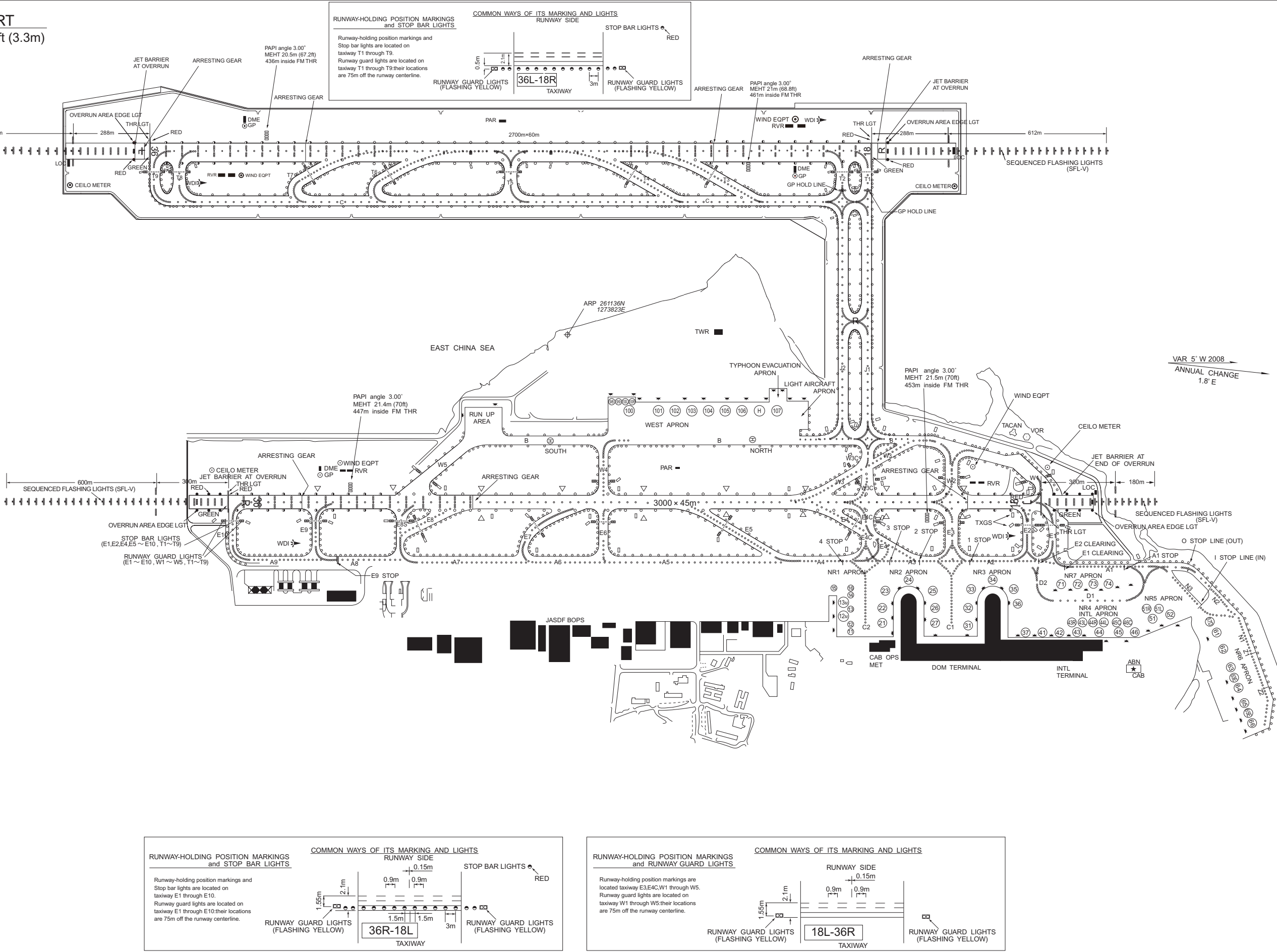


AERODROME CHART

NAHA AIRPORT
ELEV 11ft (3.3m)

CHANGE : TWY CL LGT installed(W1). TWY CL LGT added(E1, E2).



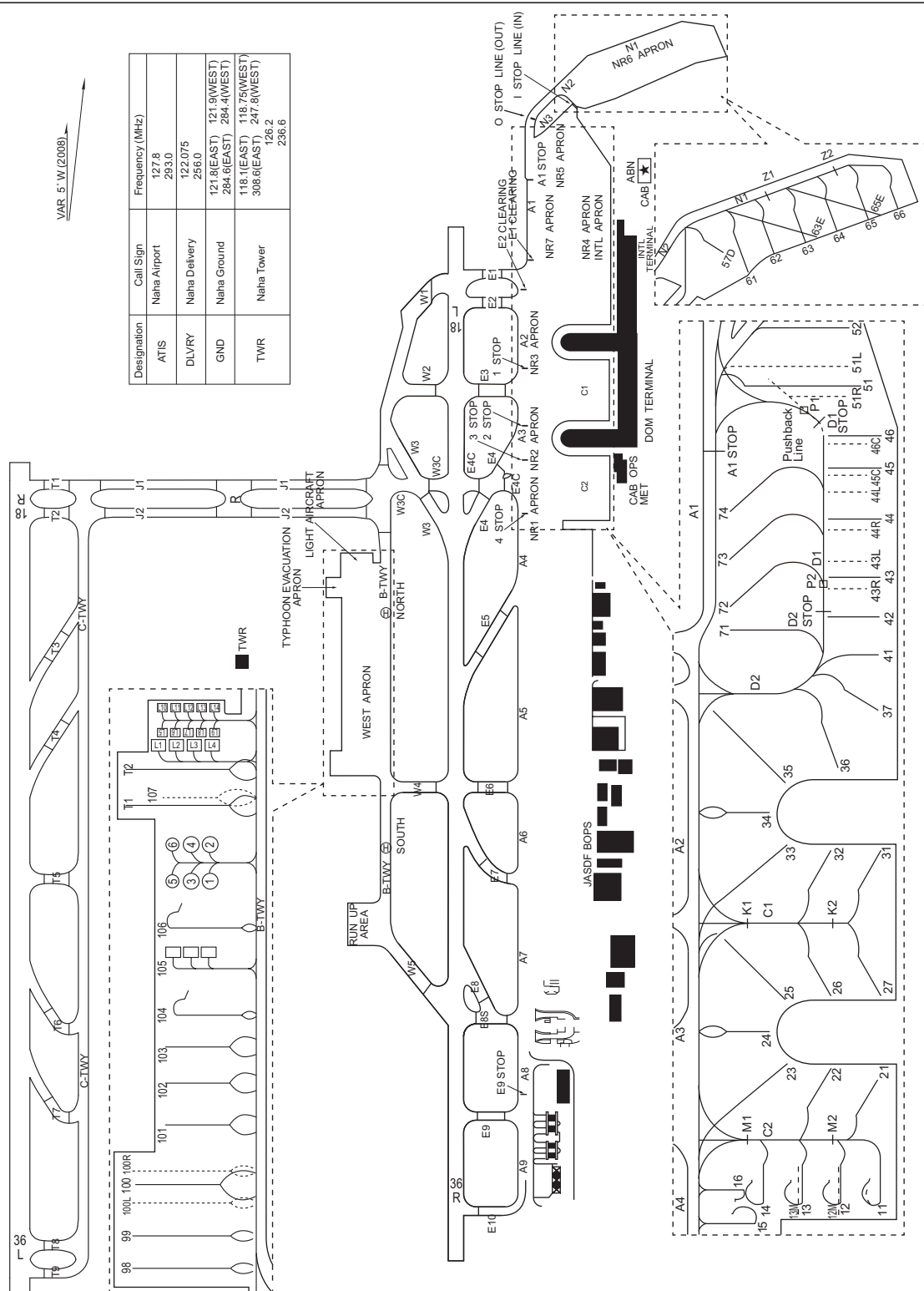
ROAH / NAHA

AD CHART

CHANGE : A1 STOP added in the enlarged figure.

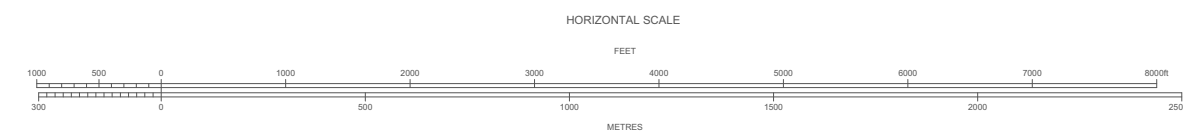
NAHA AIRPORT














ELEV 11ft (3.3m)



INTENTIONALLY LEFT BLANK

DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC
MAGNETIC VARIATION 5°25' W-APR 2020



| LEGEND | | AMENDMENT RECORD | |
|---|-------------------------------------|------------------|------|
| | | No | DATE |
|  | 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 | | |
|  | THREAT | | |
|  | LAKE | | |
|  | RIVER | | |
|  | CONTOURS(M) | | |

AERODROME OBSTACLE CHART-ICAO

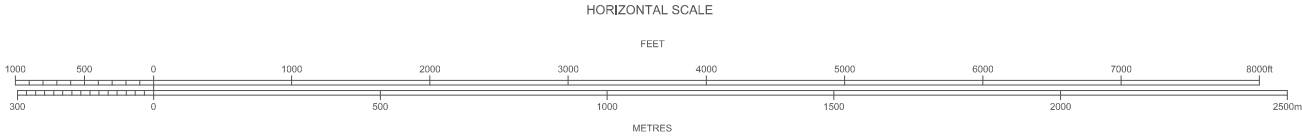
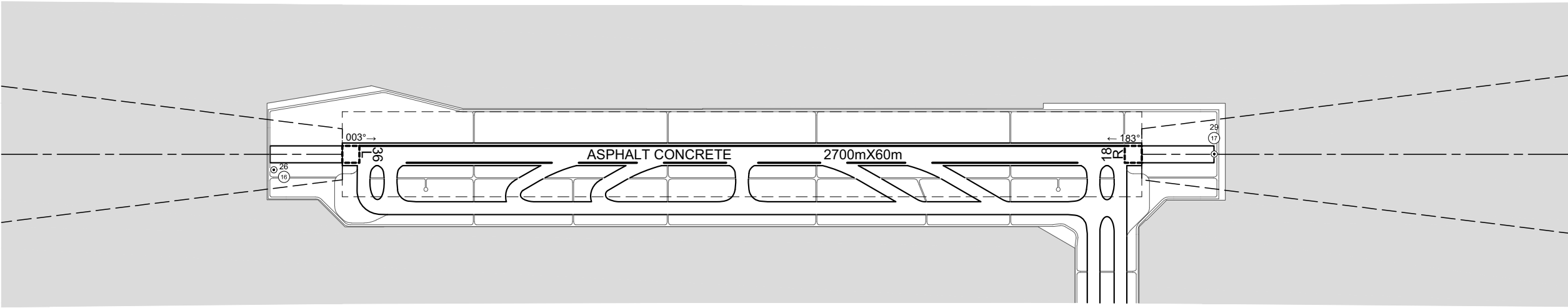
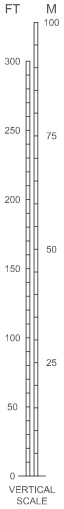
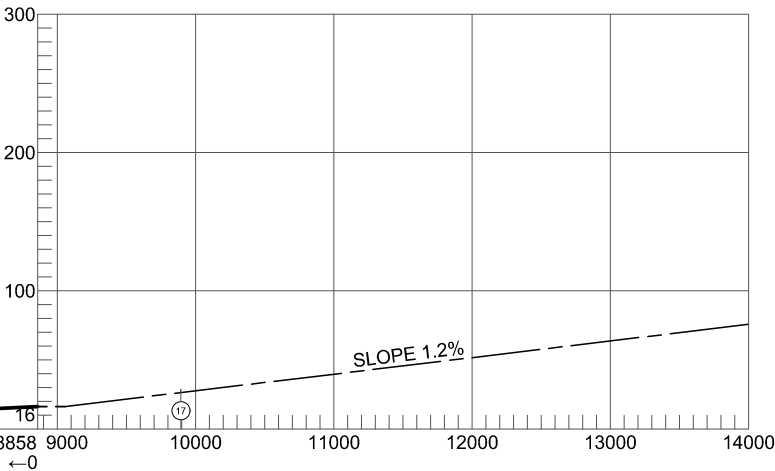
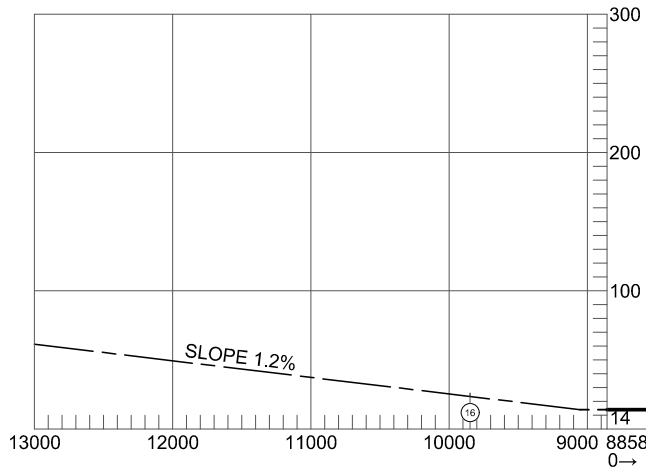
TYPE A (OPERATING LIMITATIONS)

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 |

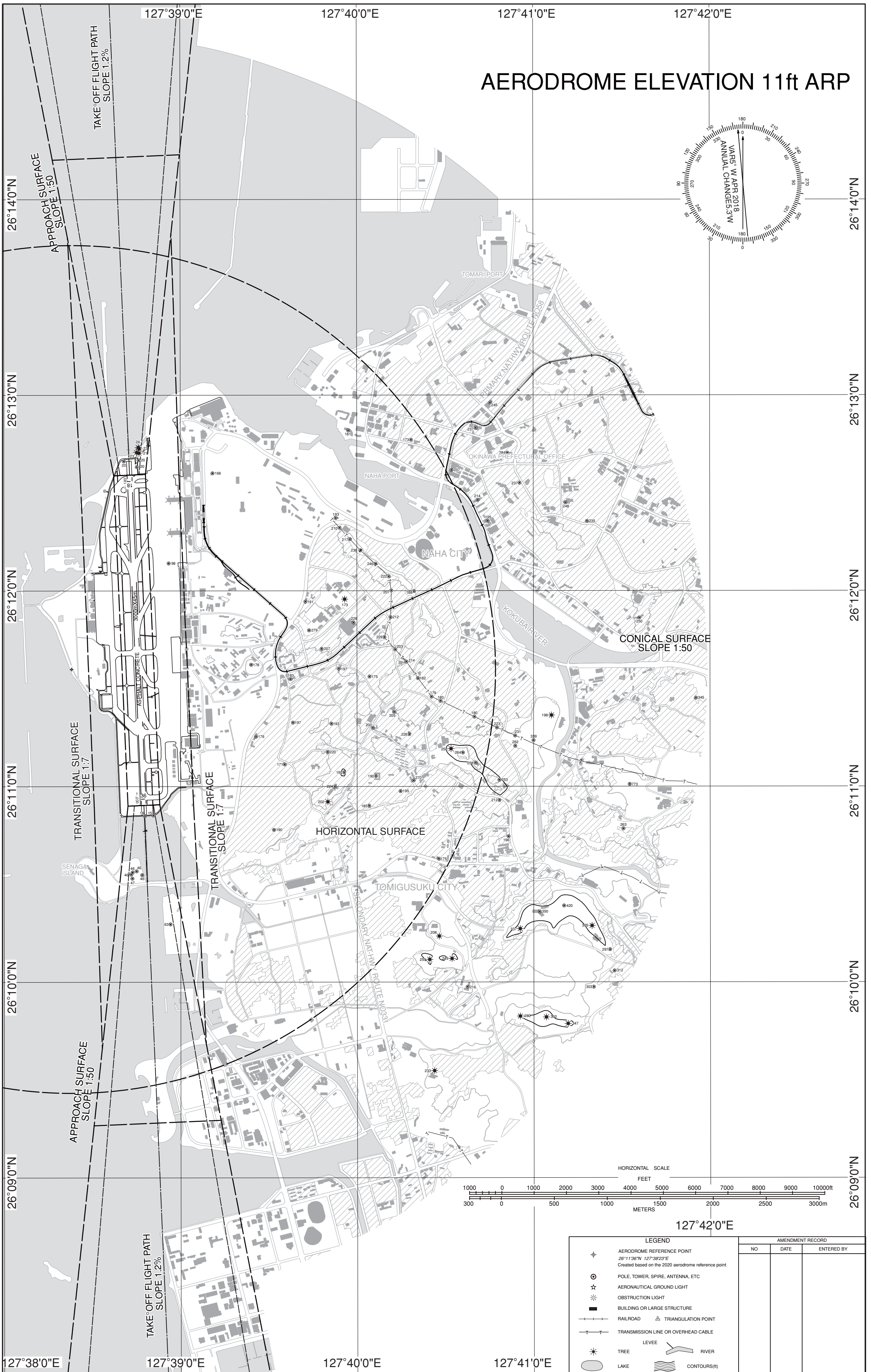


| LEGEND | | AMENDMENT RECORD | | |
|--------|-------------------------------------|------------------|------|------------|
| ① | IDENTIFICATION NUMBER | Nr | DATE | ENTERED BY |
| ⦿ | POLE, TOWER, SPIRE, ANTENNA, ETC | | | |
| ★ | AERONAUTICAL GROUND LIGHT | | | |
| ✱ | OBSTRUCTION LIGHT | | | |
| ■ | BUILDING OR LARGE STRUCTURE | | | |
| —+—+— | RAILROAD | | | |
| —+—+— | TRANSMISSION LINE OR OVERHEAD CABLE | | | |
| | LEVEE | | | |
| ★ | TREE | | | |
| ○ | LAKE | | | |
| — | RIVER | | | |
| — | CONTOUR(S) | | | |
| ▲ | TRIANGULATION POINT | | | |

CHANGE : Newly established

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

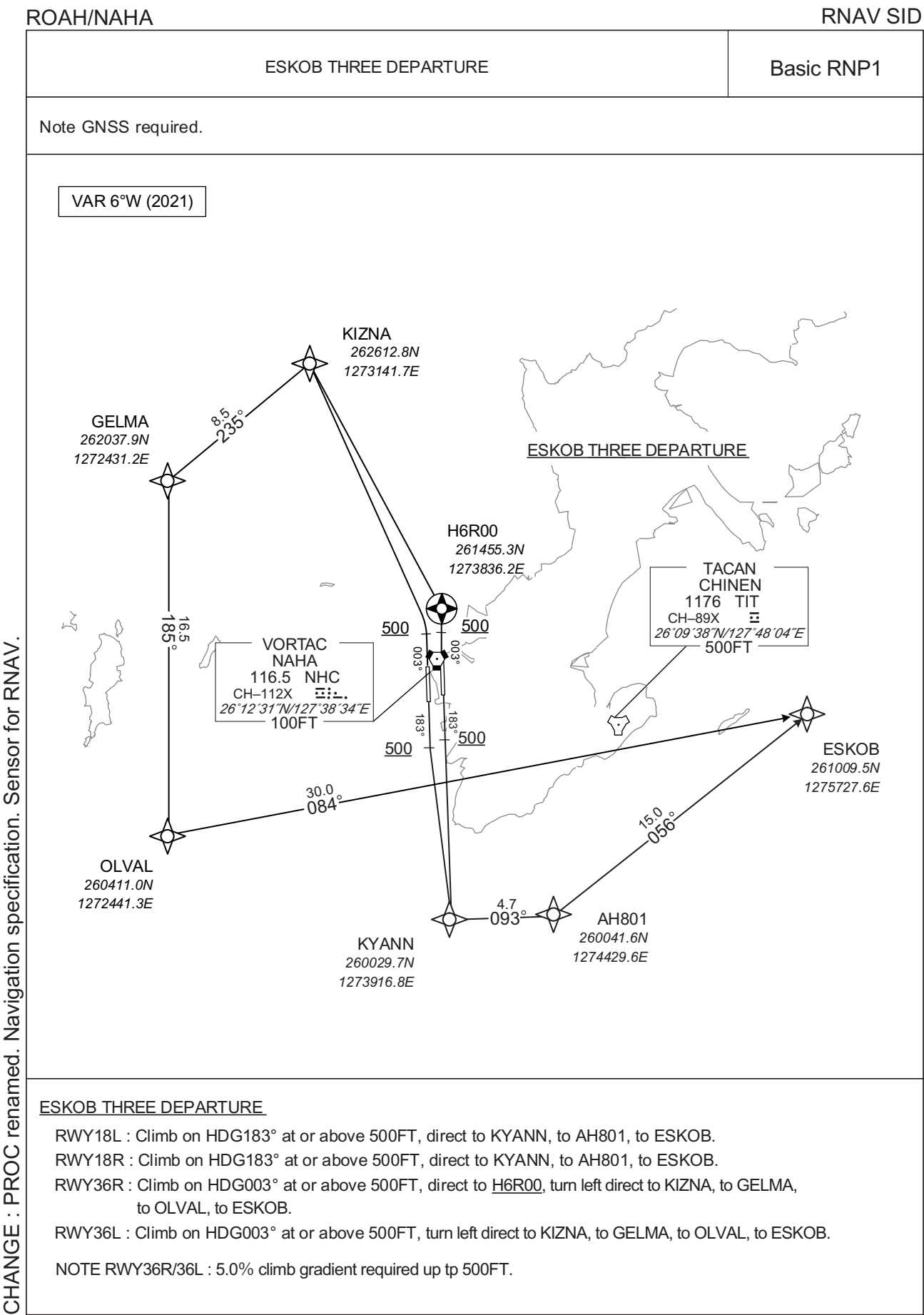
ROAH/NAHA

SID



CHANGE:New PROC

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

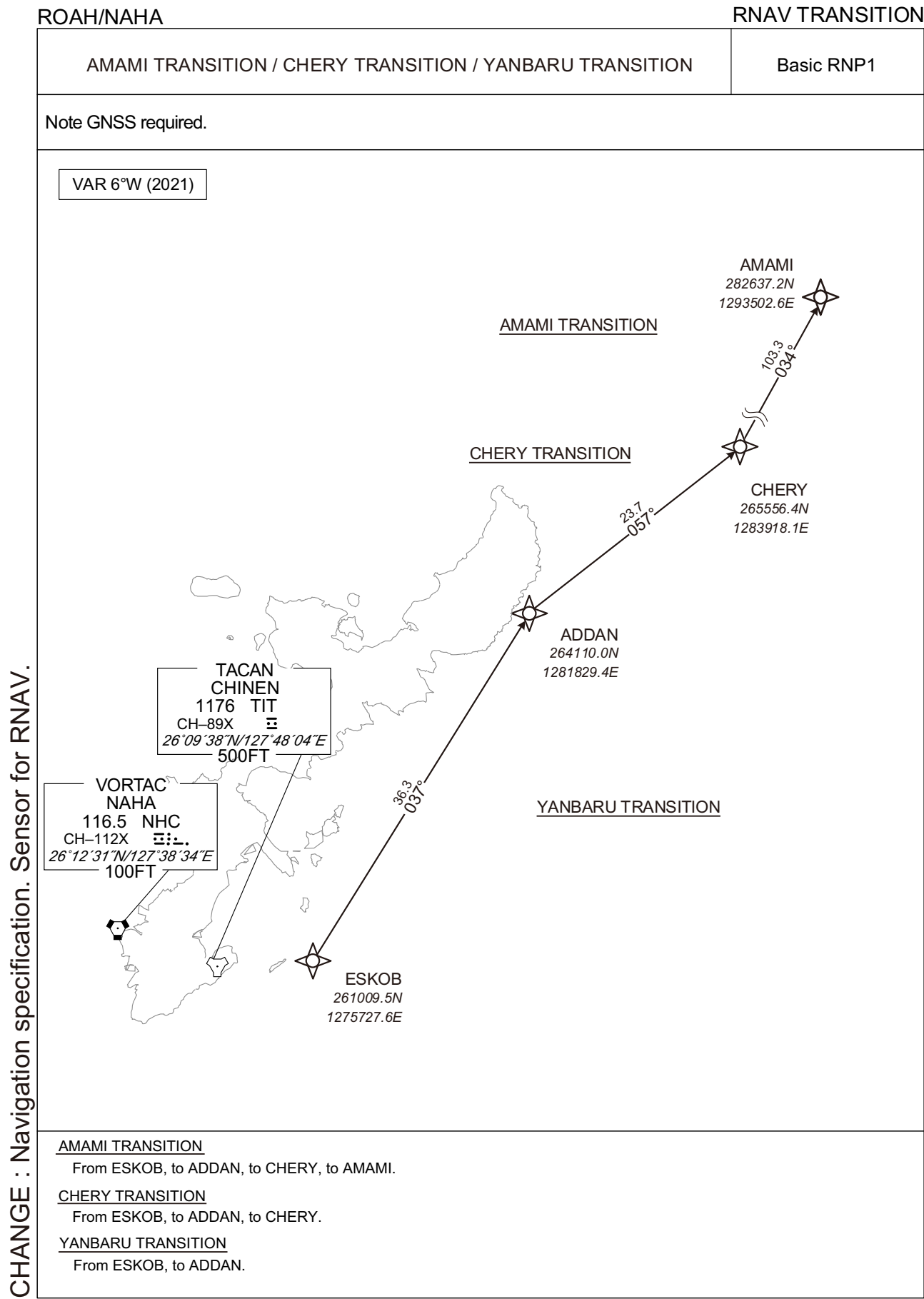
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|-----------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



CHANGE : Navigation specification. Sensor for RNAV.

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

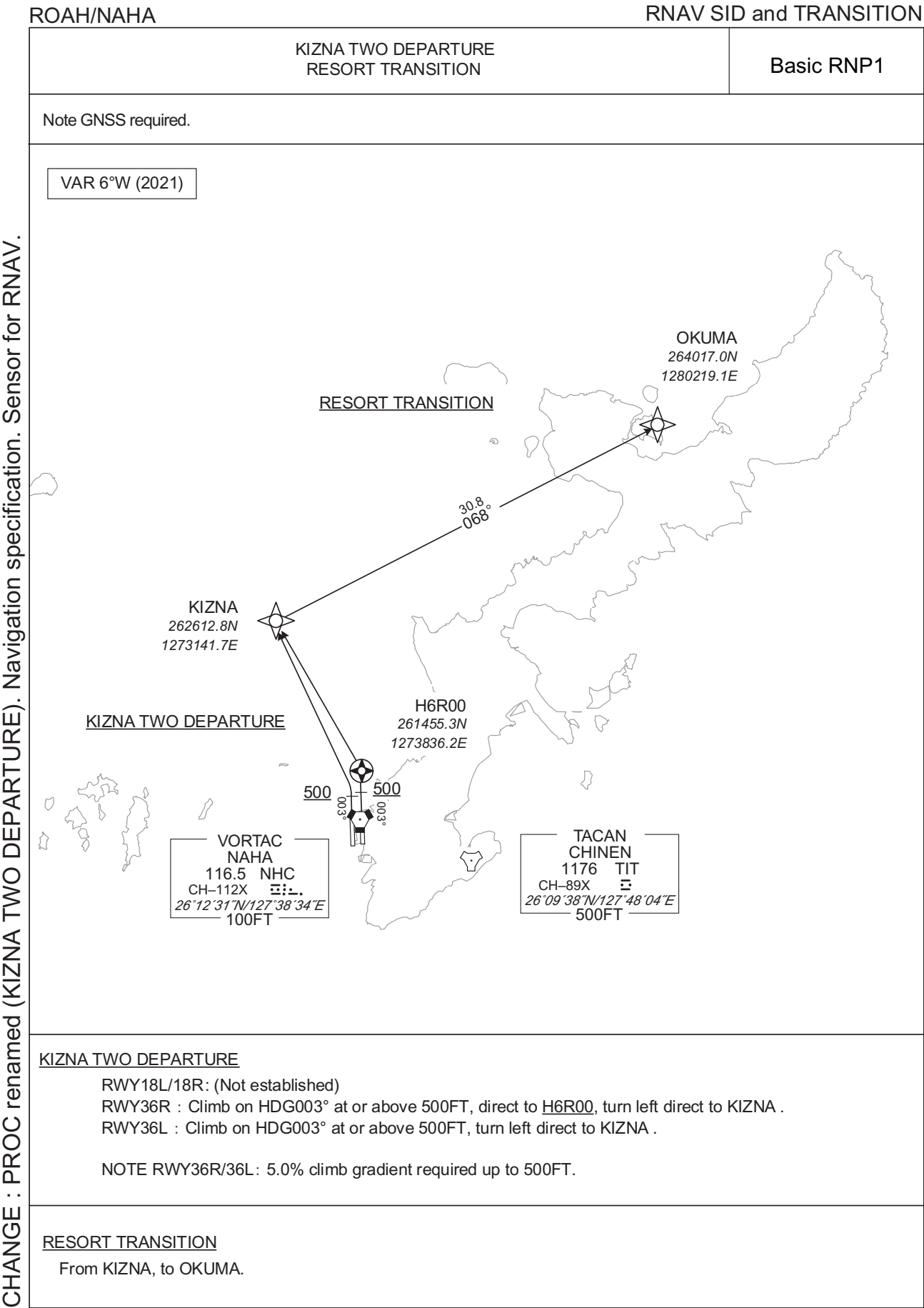
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|-----------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



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

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

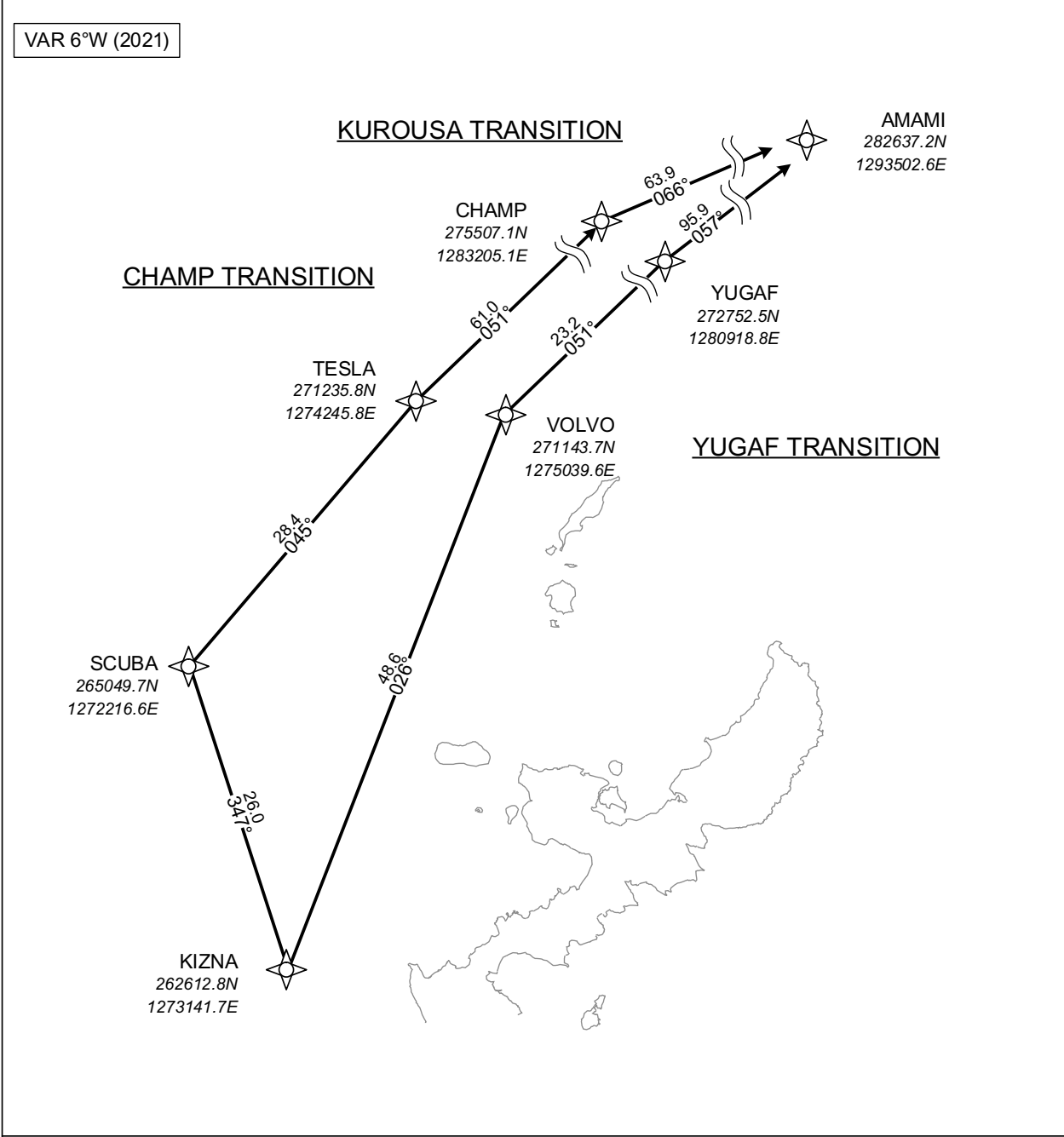
RNAV TRANSITION

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

Note GNSS required.

VAR 6°W (2021)

CHANGE : Navigation specification. Sensor for RNAV.



- 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

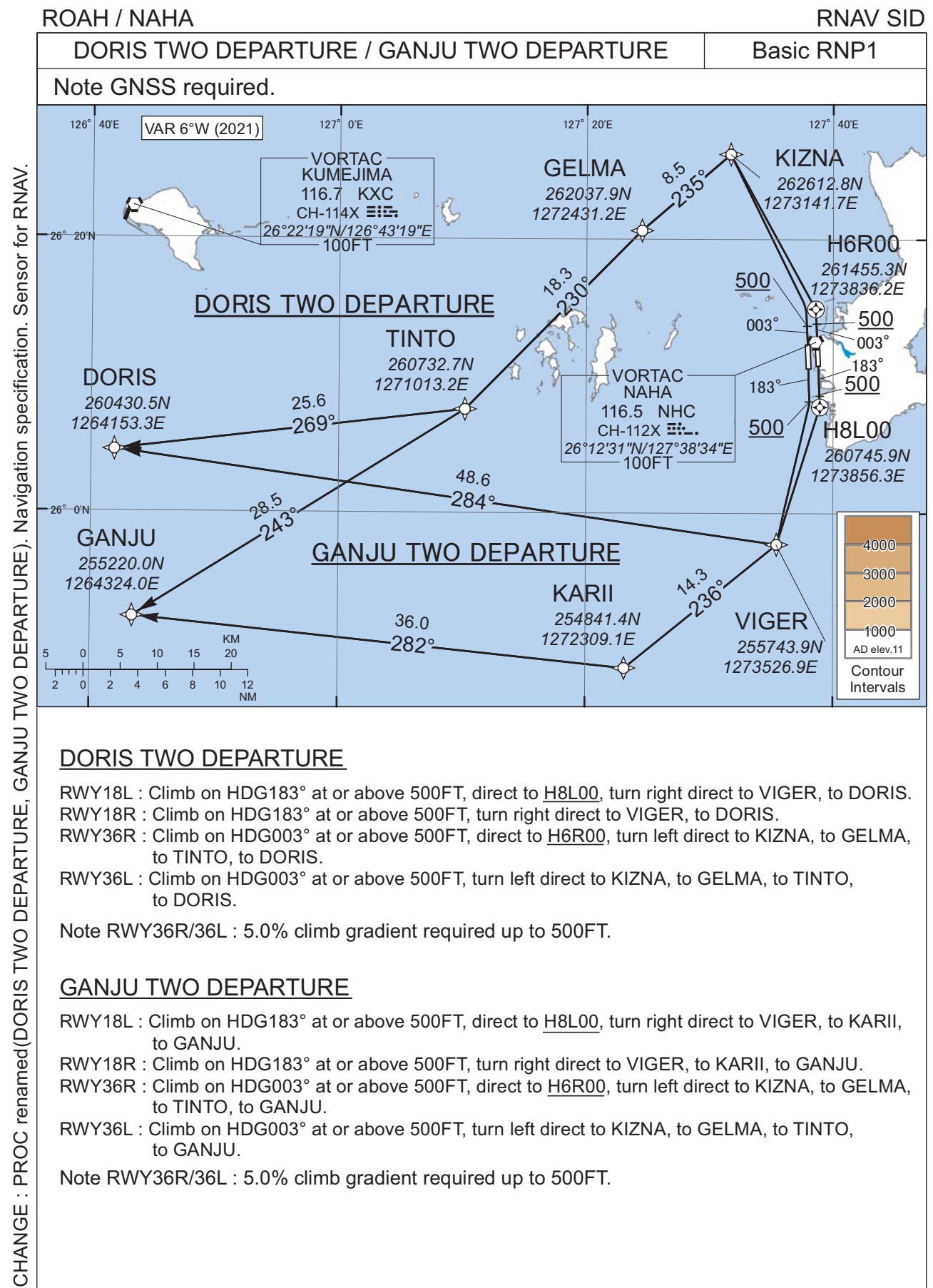
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|-----------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



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.

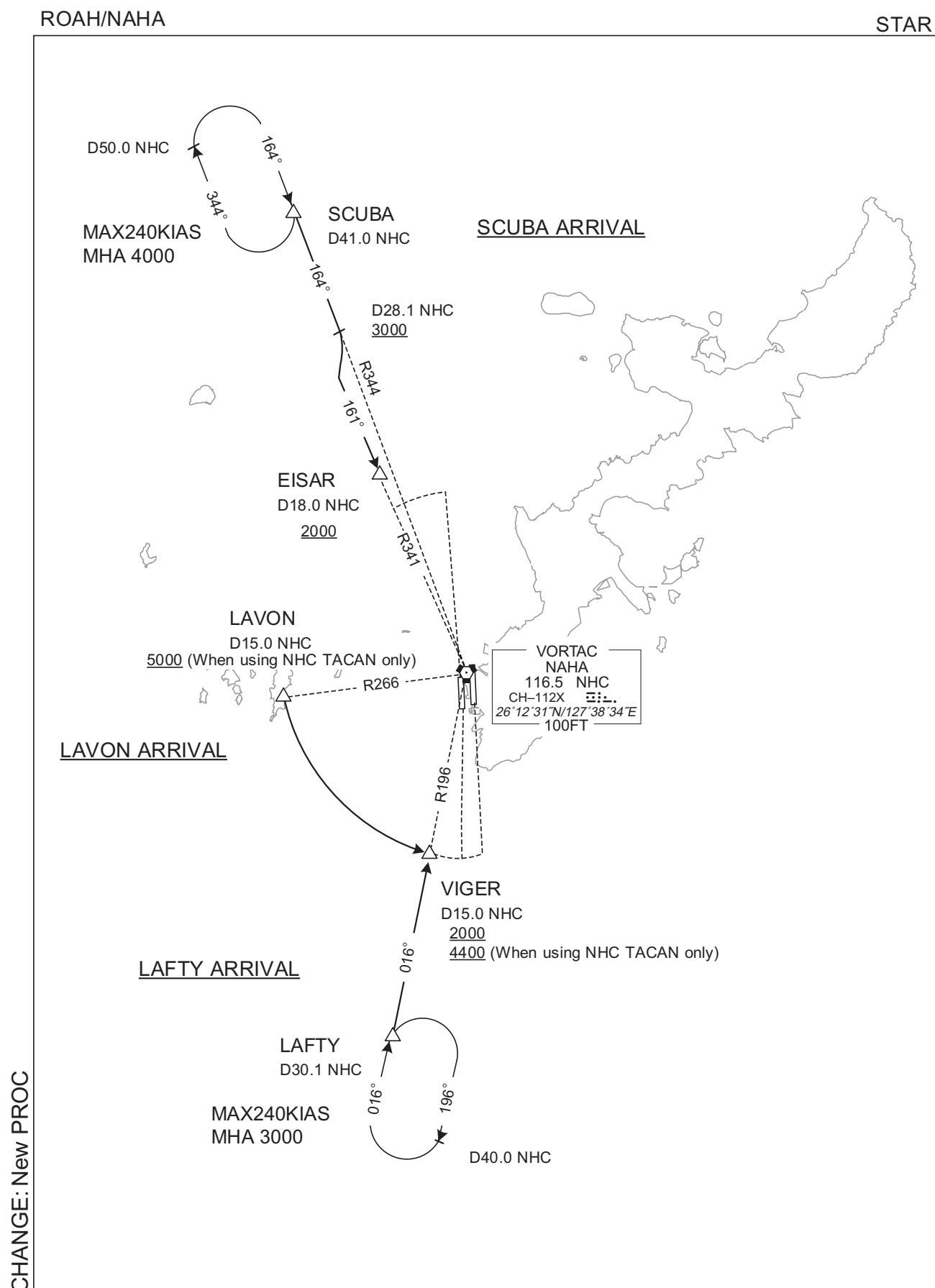
(When using NHC TACAN only)

From over LAFTY, via NHC R196 to VIGER.

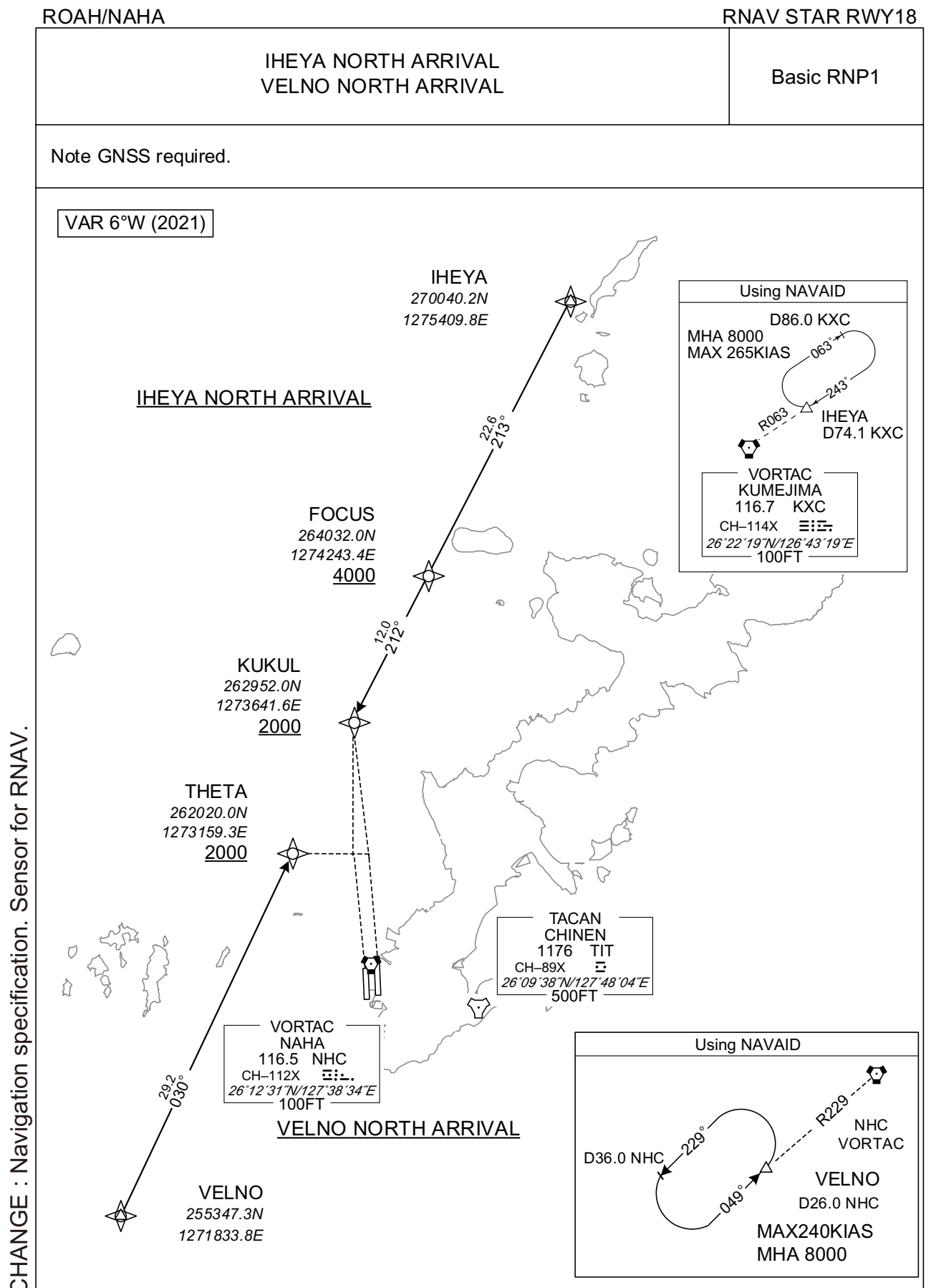
Cross VIGER at or above 4400FT.

CHANGE: New PROC

STANDARD ARRIVAL CHART-INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT



CHANGE : Navigation specification. Sensor for RNAV.

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 | - | - | - | - | - | 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 |

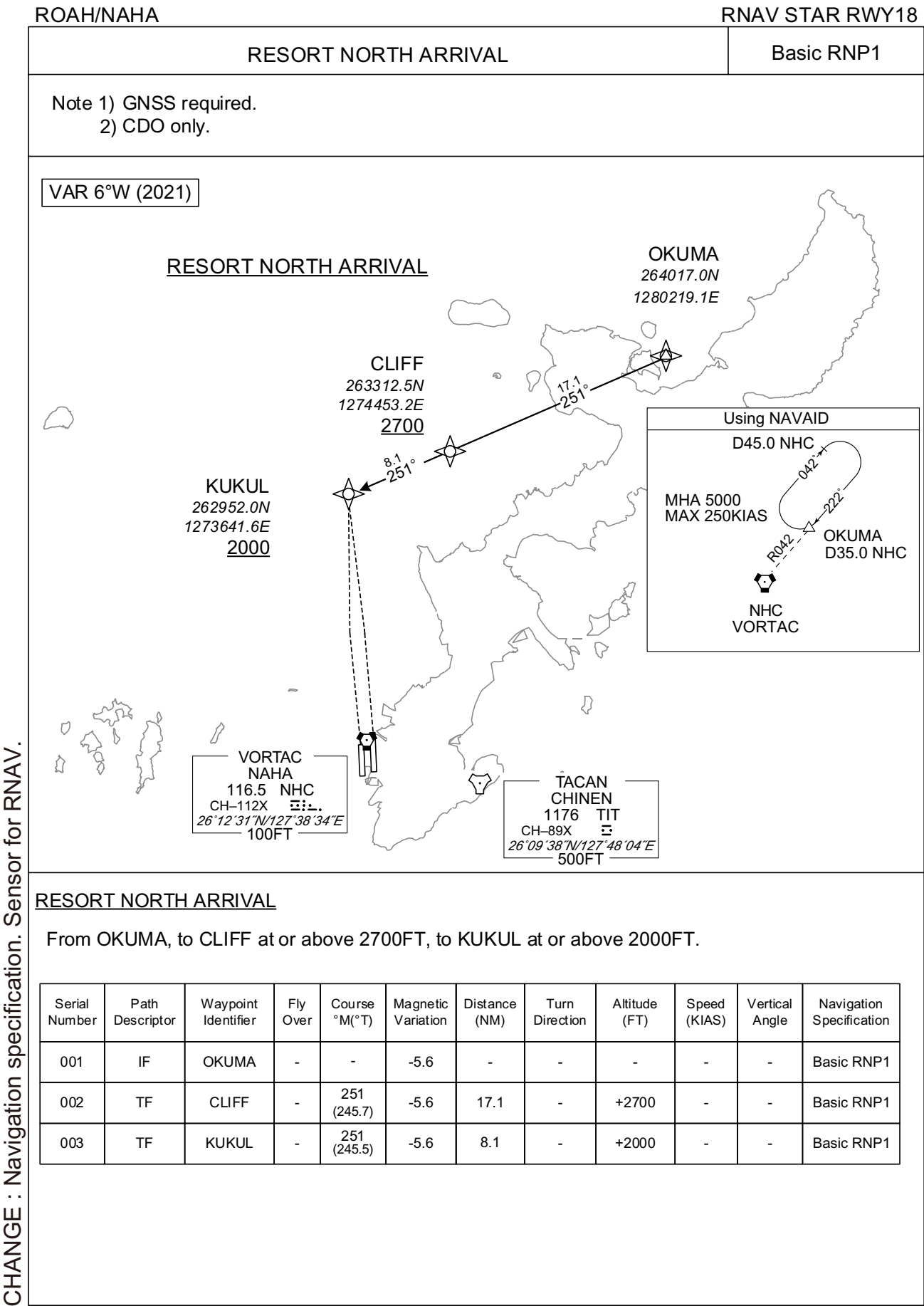
VELNO NORTH ARRIVAL

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

CHANGE : Navigation specification. Sensor for RNAV.

STANDARD ARRIVAL CHART-INSTRUMENT



CHANGE : Navigation specification. Sensor for RNAV.

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 (2021)

GUPTI NORTH ARRIVALGUPTI
290124.5N
1280918.7E
FL200IHEYA
270040.2N
1275409.8EKUKUL
262952.0N
1273641.6E
2000ENTOK
261914.3N
1245953.8E
FL170YEEZY
262018.1N
1265032.5E
2100THETA
262020.0N
1273159.3E
2000ENTOK NORTH ARRIVALVORTAC
NAHA
116.5 NHC
CH-112X
26°12'31"N/127°38'34"E
100FTTACAN
CHINEN
1176 TIT
CH-89X
26°09'38"N/127°48'04"E
500FT

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

Basic RNP1

Note GNSS required.

VAR 6°W (2021)

IHEYA SOUTH ARRIVALIHEYA
270040.2N
1275409.8E

Using NAVAID

D86.0 KXC
MHA 8000
MAX 265KIAS
063°
243°
R063
IHEYA
D74.1 KXCVORTAC
KUMEJIMA
116.7 KXC
CH-114X
26°22'19"N/126°43'19"E
100FT37.1
184°

Using NAVAID

D36.0 NHC
229°
049°
R229
NHC
VORTAC
VELNO
D26.0 NHC
MAX240KIAS
MHA 8000HASSA
262334.1N
1275516.0E
11000VORTAC
NAHA
116.5 NHC
CH-112X
26°12'31"N/127°38'34"E
100FTVELNO SOUTH ARRIVALTACAN
CHINEN
1176 TIT
CH-89X
26°09'38"N/127°48'04"E
500FT22.6
210°SEIFA
260303.9N
1274448.5E
200015.7
081°
VELNO
255347.3N
1271833.8EVIGER
255743.9N
1273526.9E
2000

CHANGE : Navigation specification. Sensor for RNAV.

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 |

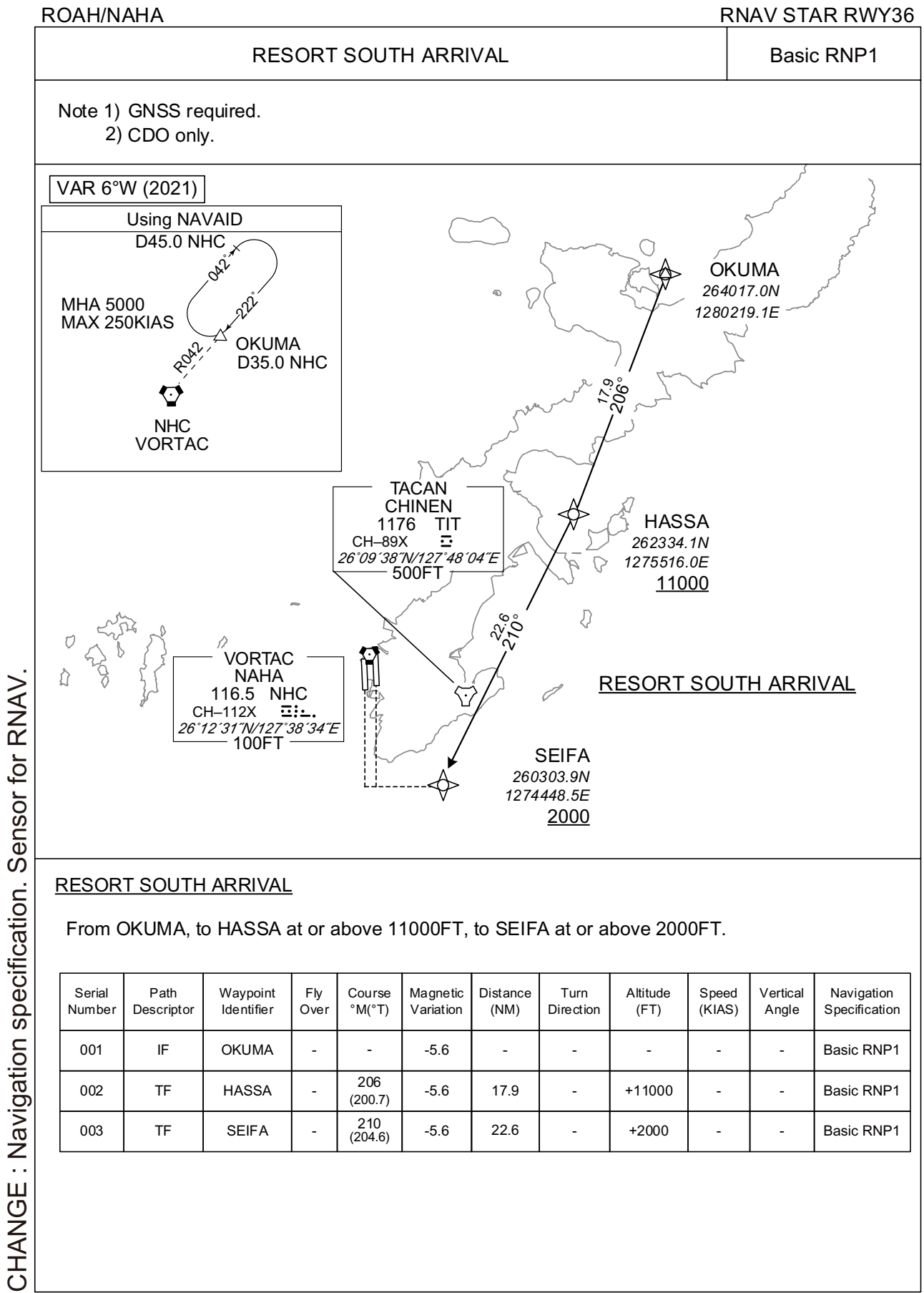
VELNO SOUTH ARRIVAL

From VELNO, to VIGER at or above 2000FT.

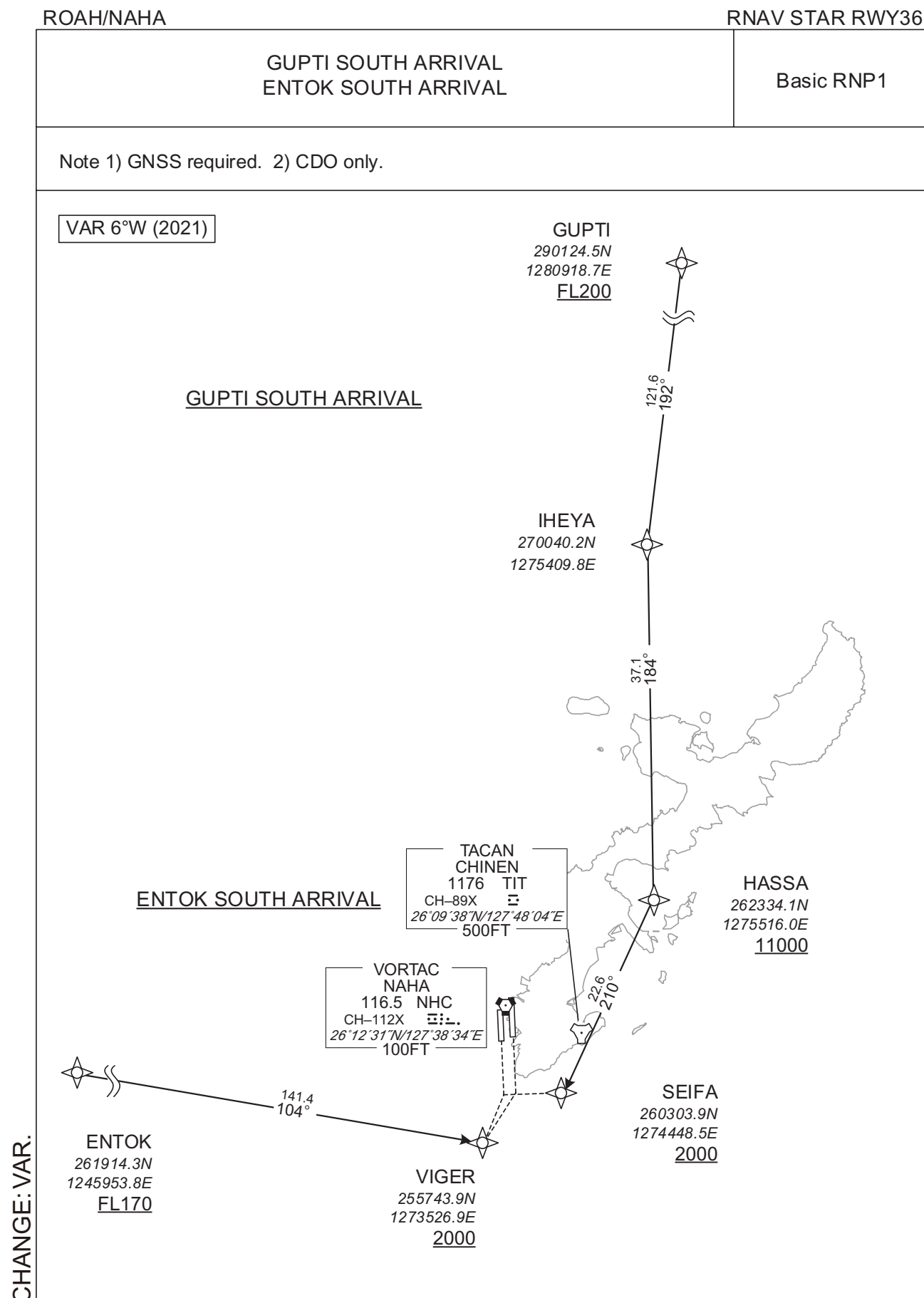
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|-----------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

CHANGE : Navigation specification. Sensor for RNAV.

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.

ROAH / NAHA

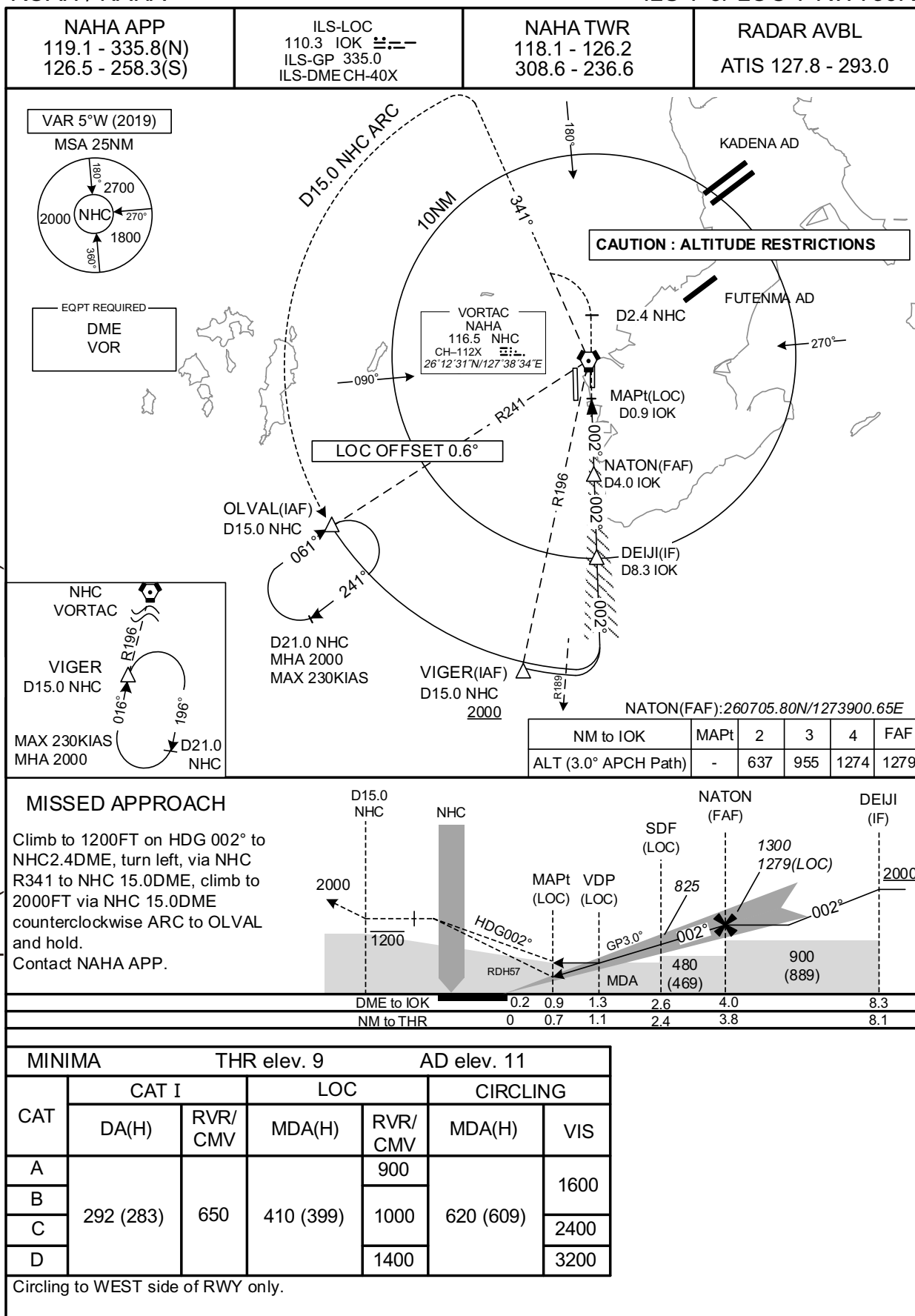
ILS Z or LOC Z RWY36R



INSTRUMENT APPROACH CHART

ROAH / NAHA

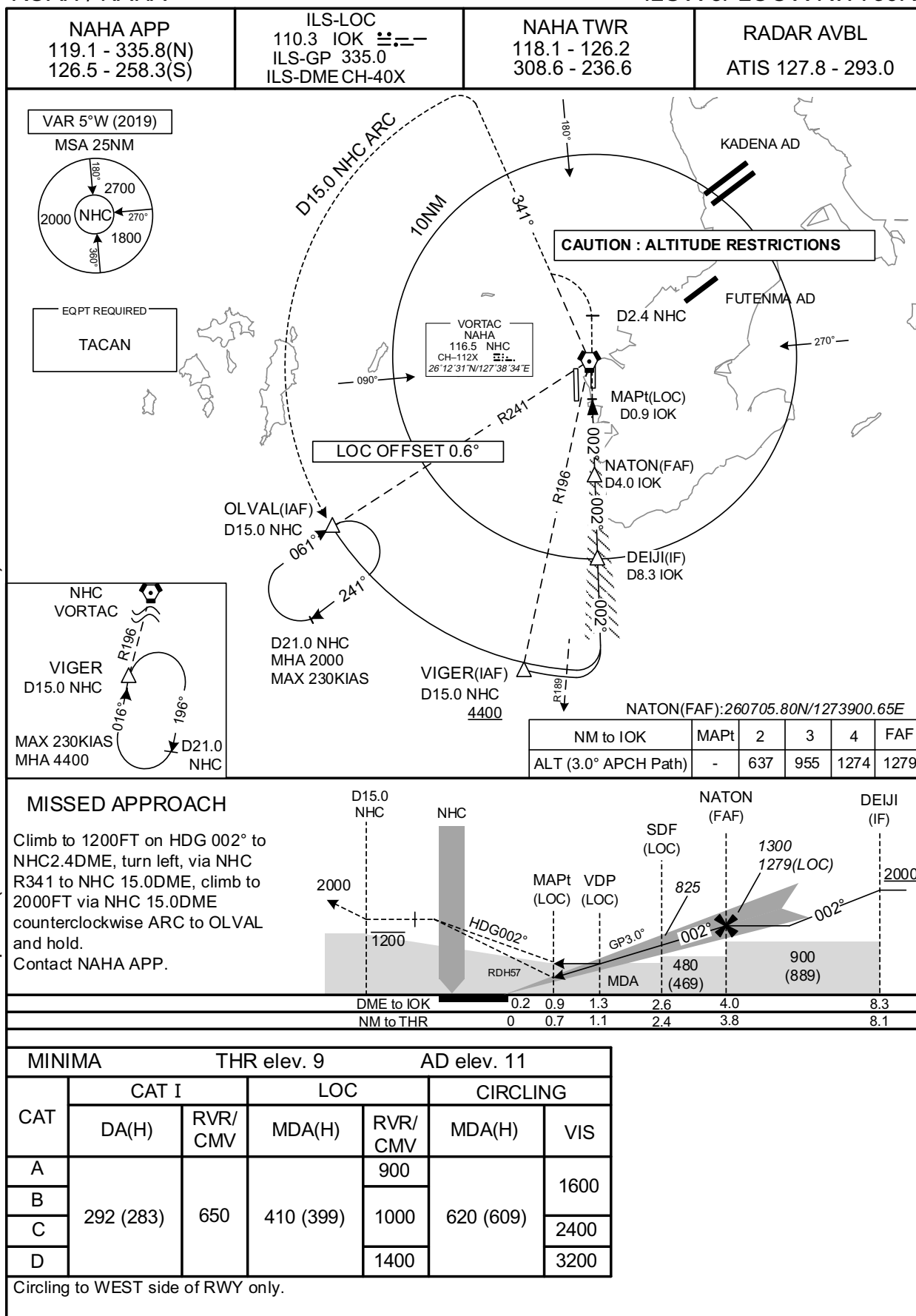
ILS Y or LOC Y RWY36R



INSTRUMENT APPROACH CHART

ROAH / NAHA

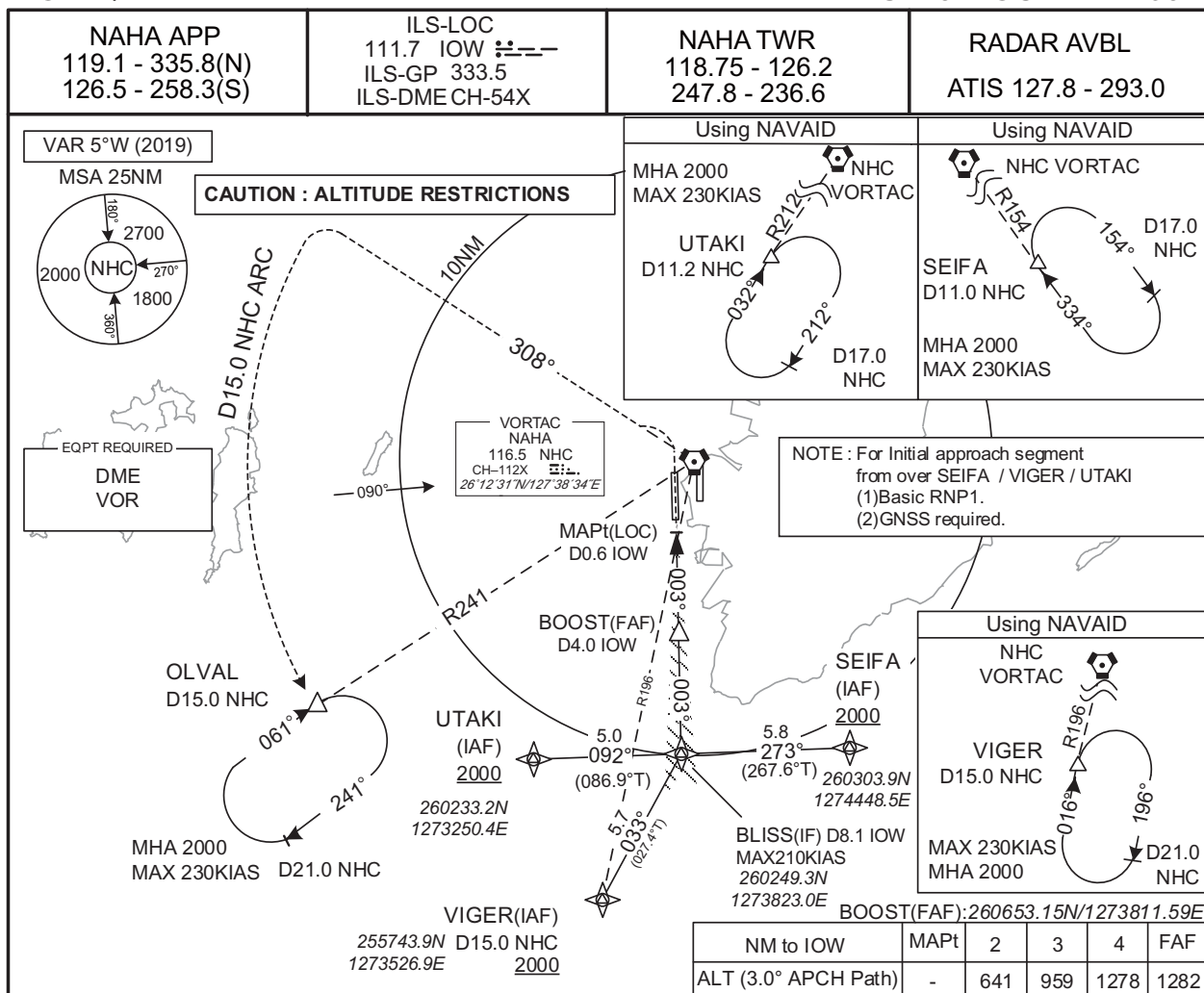
ILS X or LOC X RWY36R



INSTRUMENT APPROACH CHART

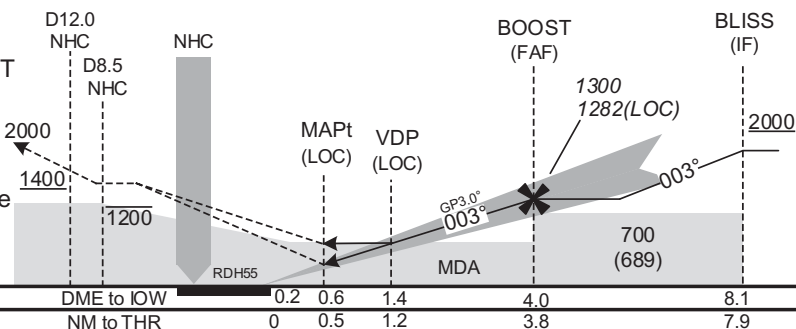
ROAH / NAHA

ILS Z or LOC Z RWY36L



MISSED APPROACH

Turn left, climb to 1200FT via NHC
 R 308 to NHC 8.5DME, 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 | | | | | | |

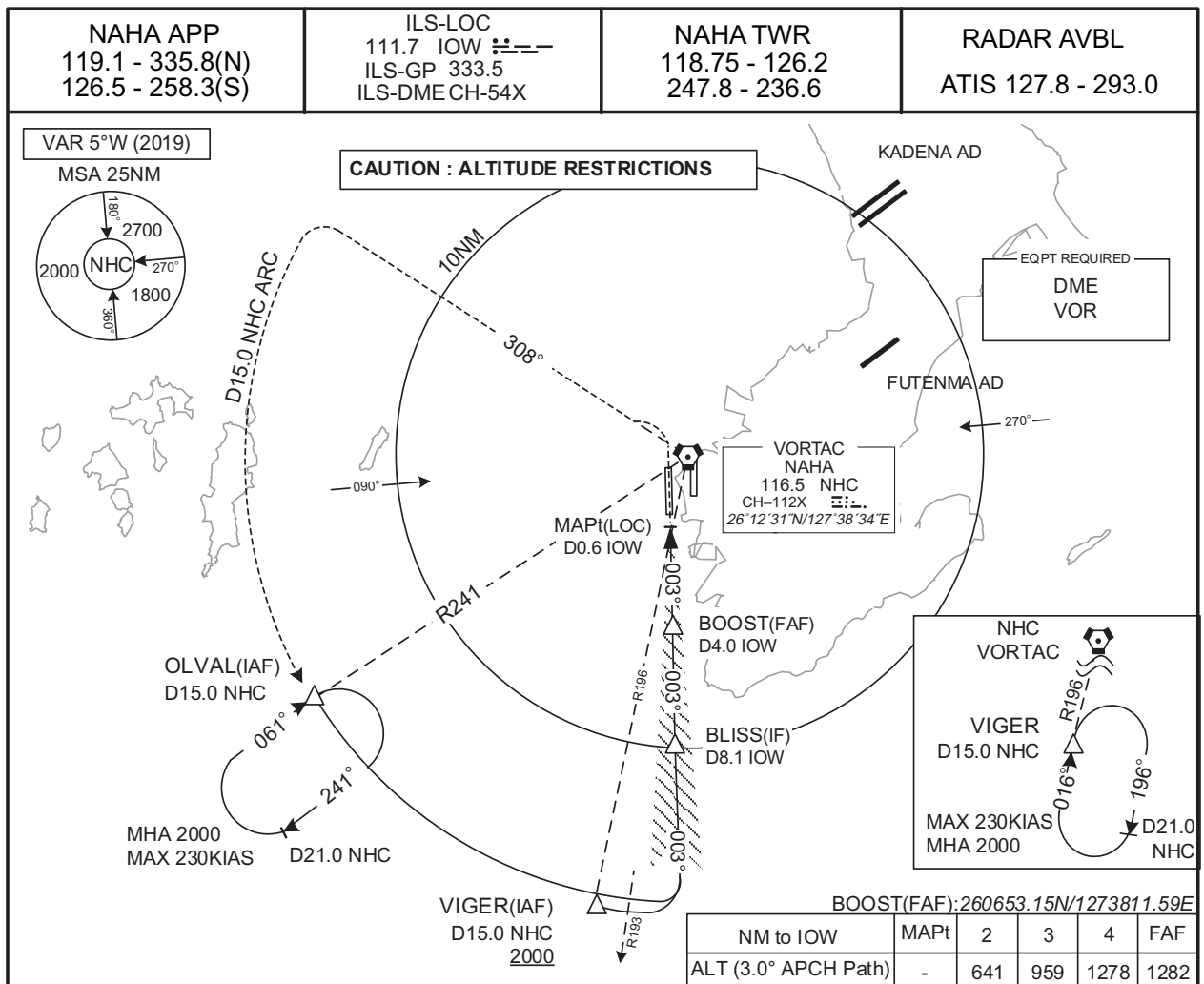
Circling to WEST side of RWY only.

CHANGE: Navigation specification. Sensor for RNAV.

INSTRUMENT APPROACH CHART

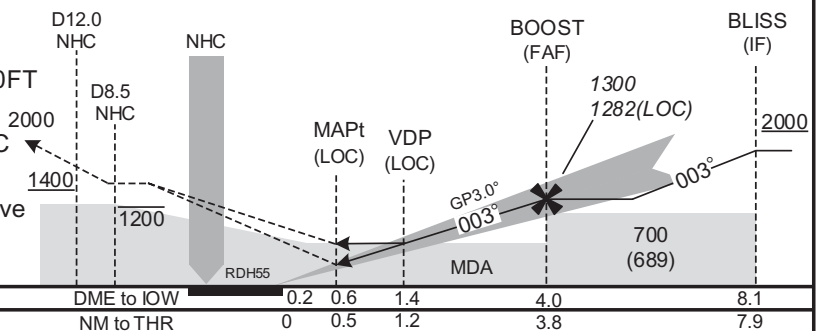
ROAH / NAHA

ILS Y or LOC Y RWY36L



MISSED APPROACH

Turn left, climb to 1200FT via NHC
R308 to NHC 8.5DME, 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.




CHANGE: New PROC

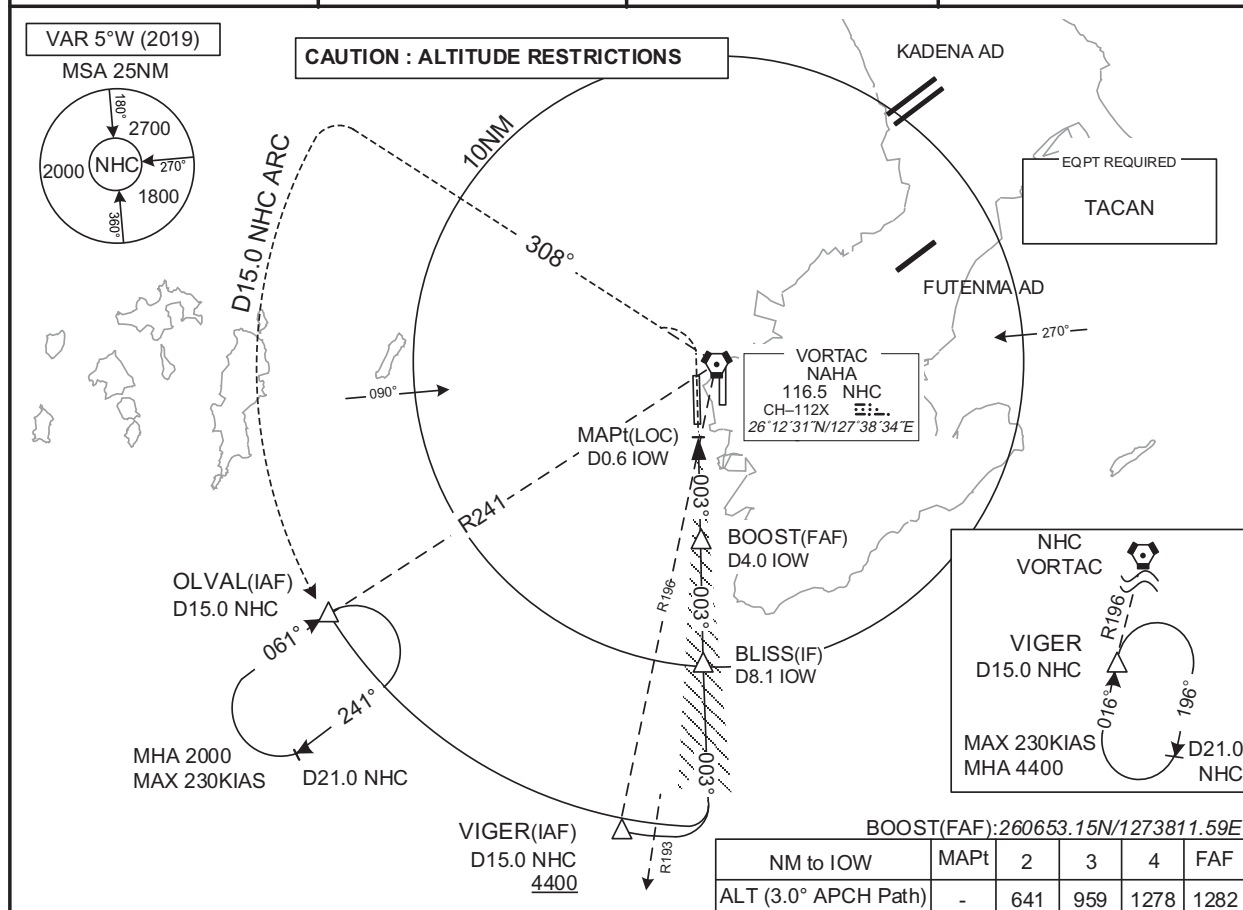
| MINIMA | | THR elev. 14 | | AD elev. 11 | | |
|--------|-----------|--------------|-----------|-------------|-----------|------|
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 214 (200) | 550 | 430 (419) | 900 | 620 (609) | 1600 |
| B | | | |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

Circling to WEST side of RWY only.

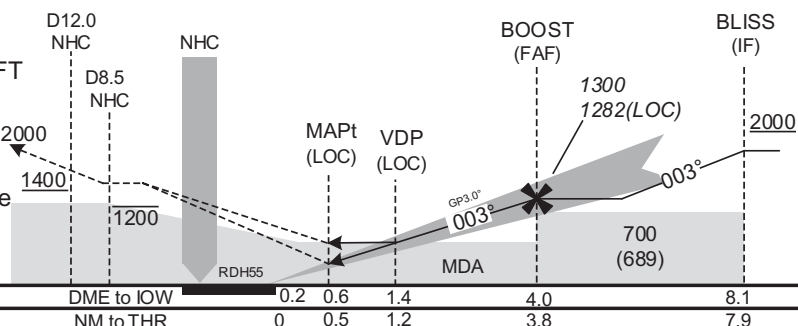
ROAH / NAHA

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-DME CH-54X | NAHA TWR 118.75 - 126.2 247.8 - 236.6 | RADAR AVBL ATIS 127.8 - 293.0 |
|--|--|---|----------------------------------|



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 20
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 | | | | | | | |

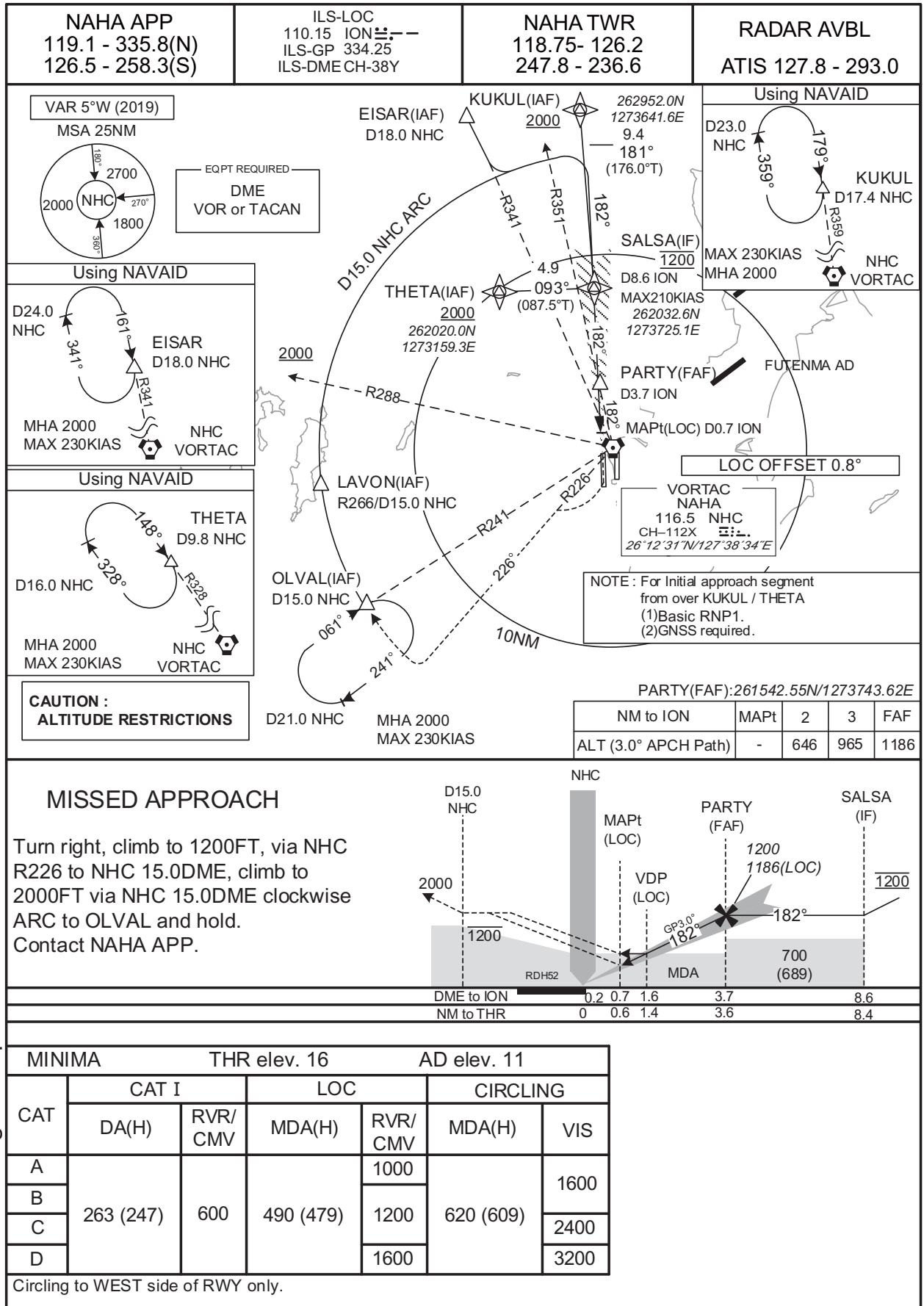
Circling to WEST side of RWY only.

CHANGE: New PROC

INSTRUMENT APPROACH CHART

ROAH / NAHA

ILS or LOC RWY18R

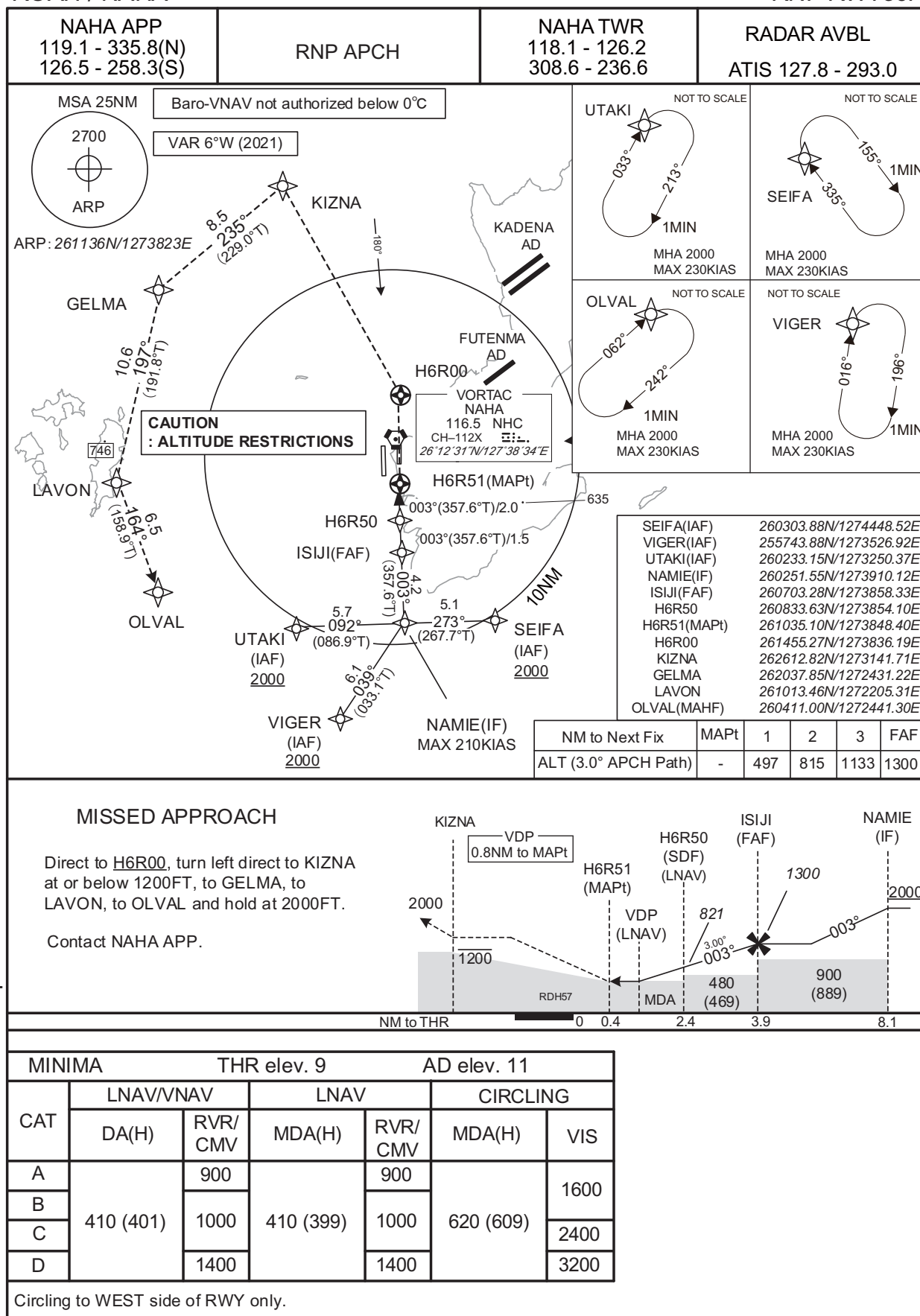


CHANGE: Navigation specification. Sensor for RNAV.

INSTRUMENT APPROACH CHART

ROAH / NAHA

RNP RWY36R

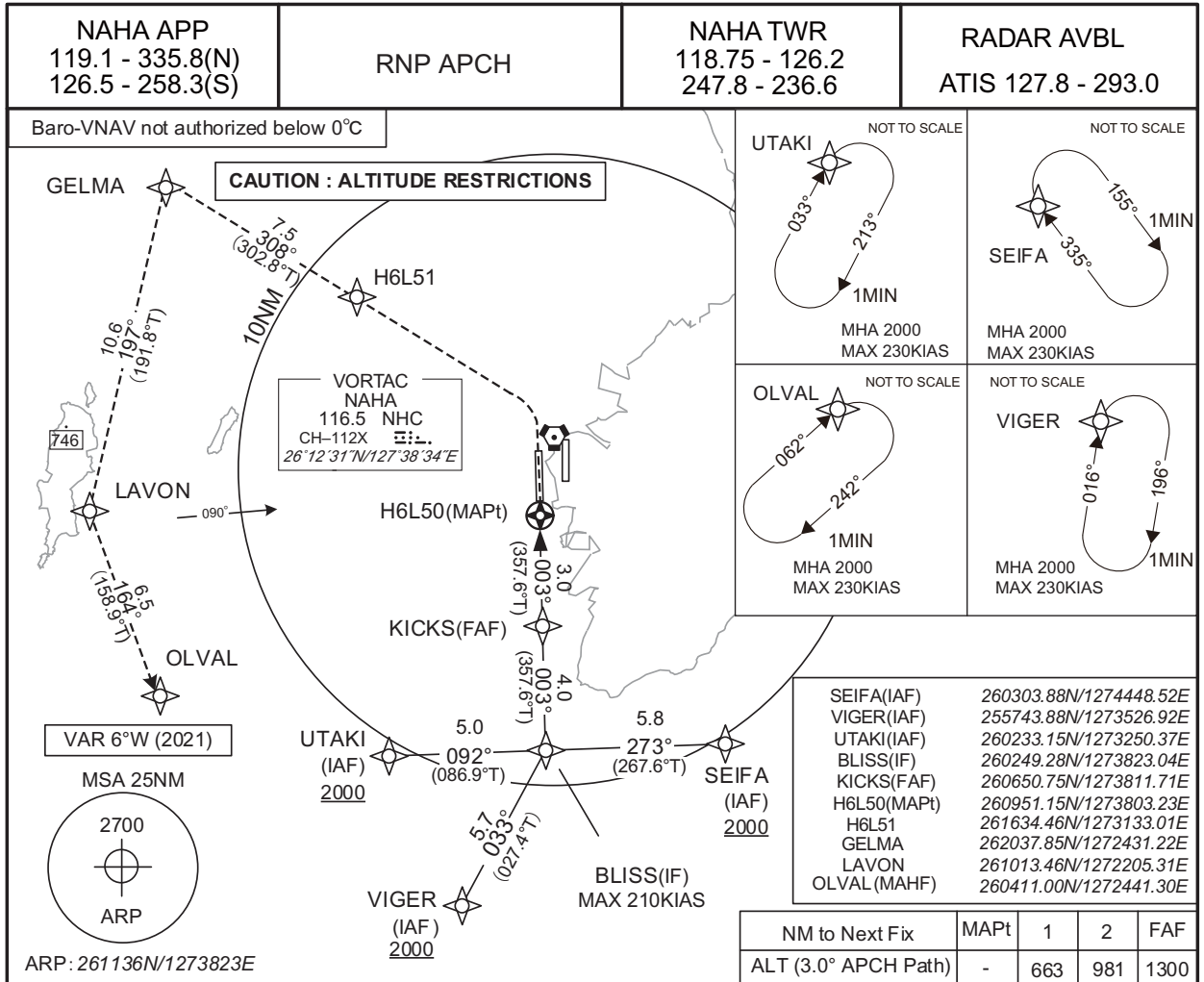


CHANGE:PROC renamed. Requirement for RNP.

INSTRUMENT APPROACH CHART

ROAH / NAHA

RNP RWY36L

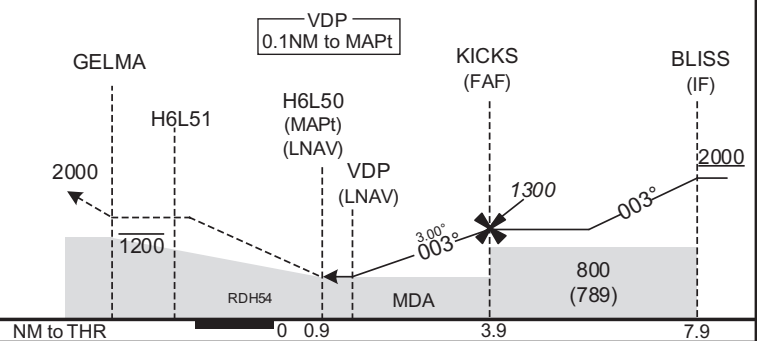


CHANGE:PROC renamed. Requirement for RNP.

MISSED APPROACH

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

Contact NAHA APP.



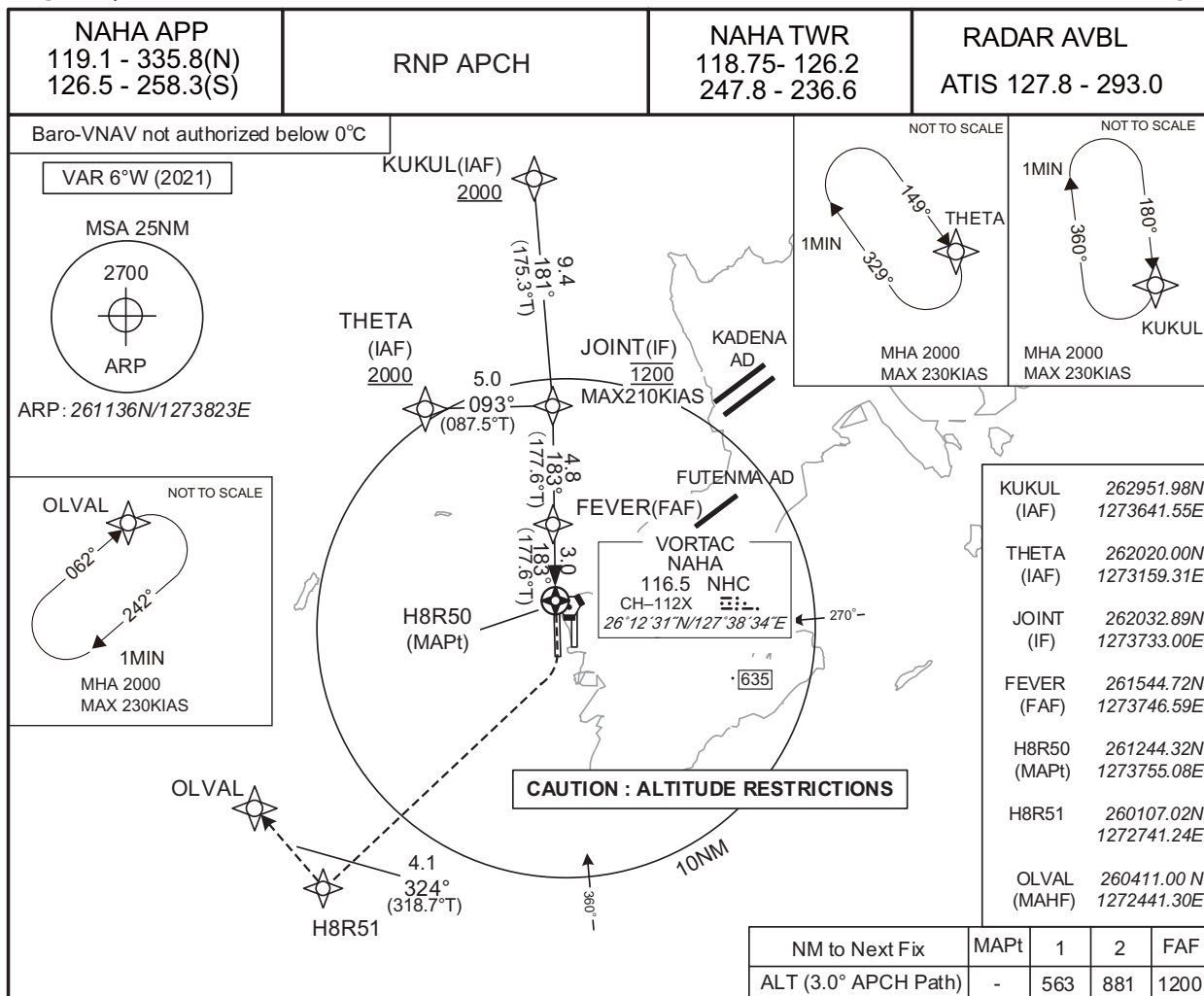
| MINIMA | | THR elev. 14 | | AD elev. 11 | | |
|--------|-----------|--------------|-----------|-------------|-----------|------|
| CAT | LNAV/VNAV | | LNAV | | CIRCLING | |
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 370 (356) | 900 | 370 (359) | 900 | 620 (609) | 1600 |
| B | | 1000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

Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA

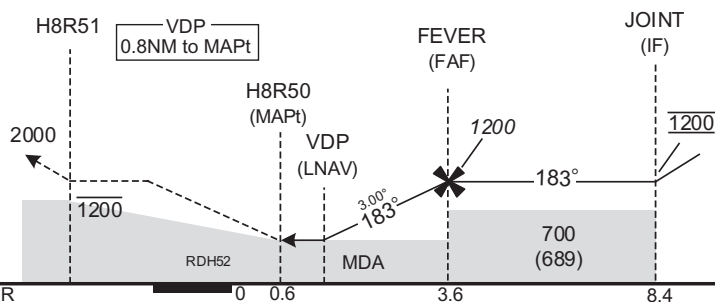
RNP RWY18R



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 | | | | | | |
| D | | | | | | |

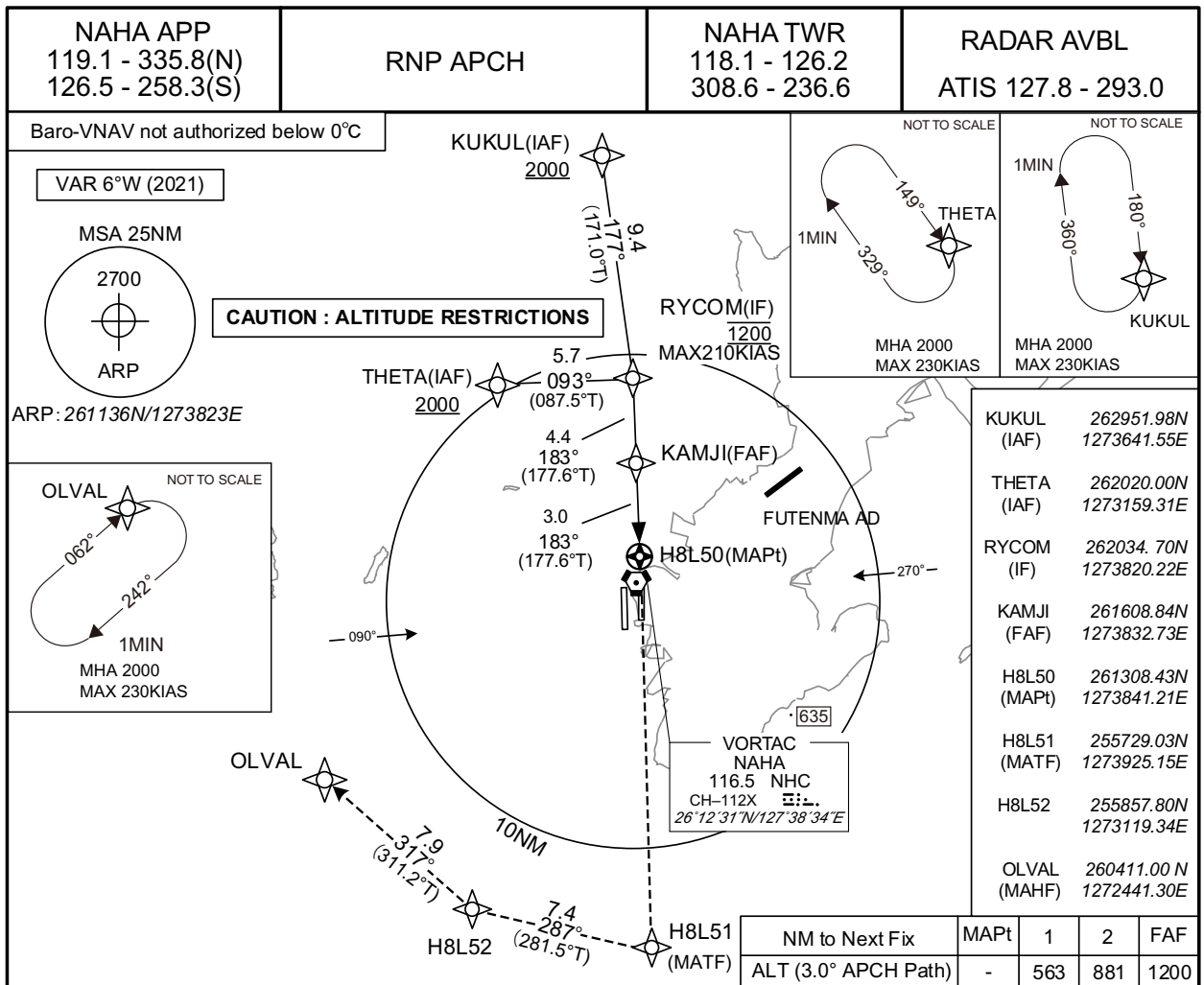
Circling to WEST side of RWY only.

CHANGE:PROC renamed. Requirement for RNP.

INSTRUMENT APPROACH CHART

ROAH / NAHA

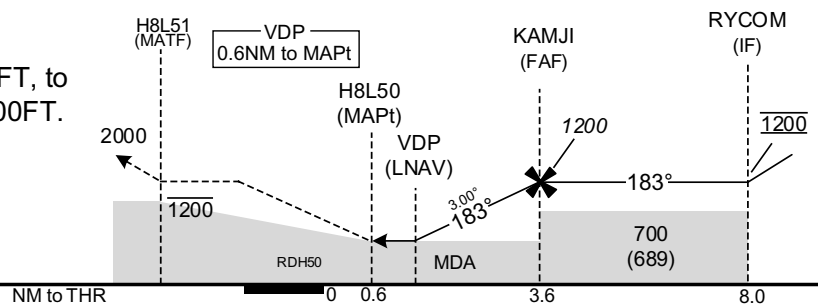
RNP RWY18L



MISSED APPROACH

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

Contact NAHA APP.



| 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 | |

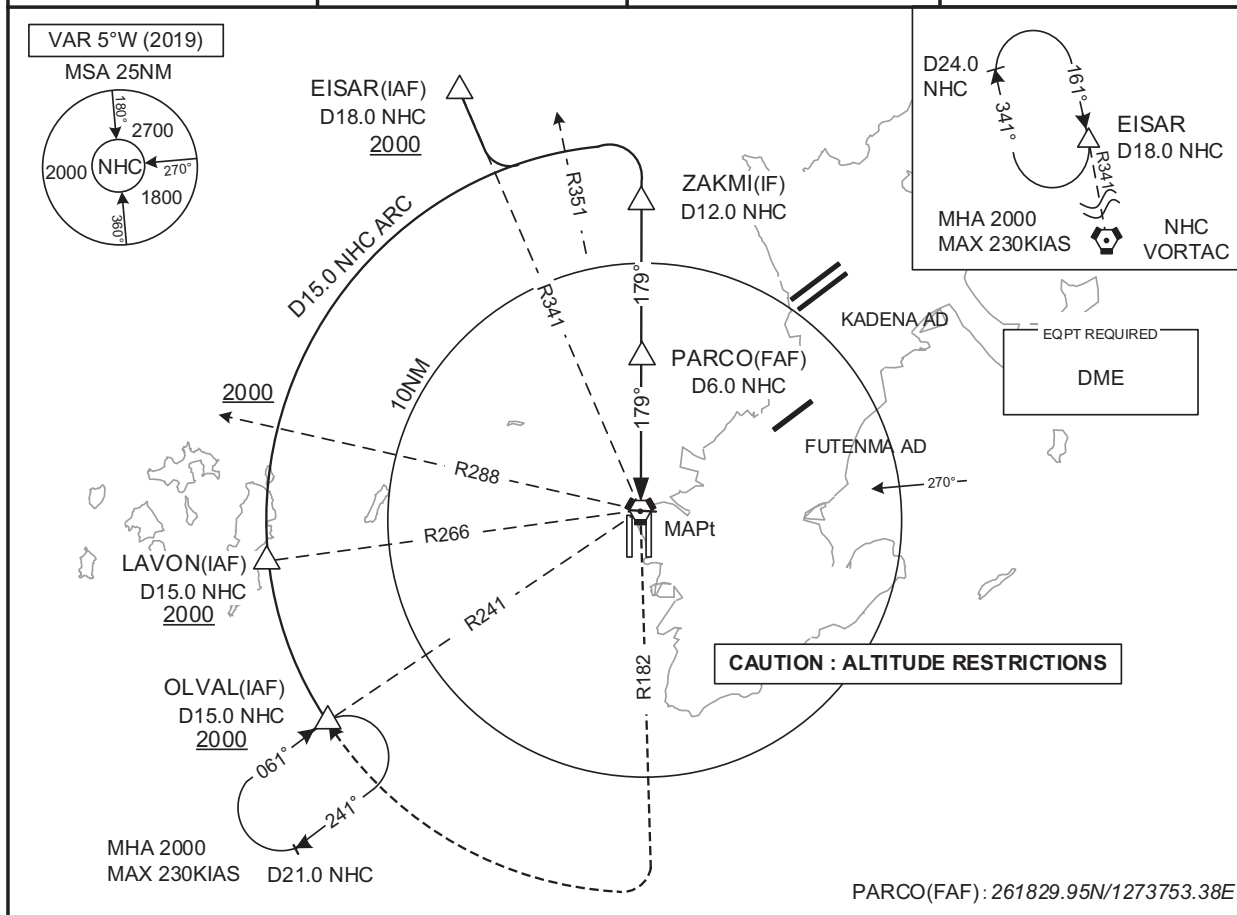
Circling to WEST side of RWY only.

CHANGE:PROC renamed. Requirement for RNP.

ROAH / NAHA

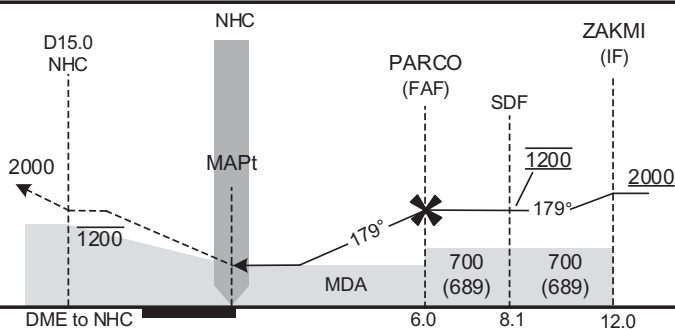
VOR A or TACAN B

| | | | |
|--|---|---|----------------------------------|
| 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 |
|--|---|---|----------------------------------|



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 | |

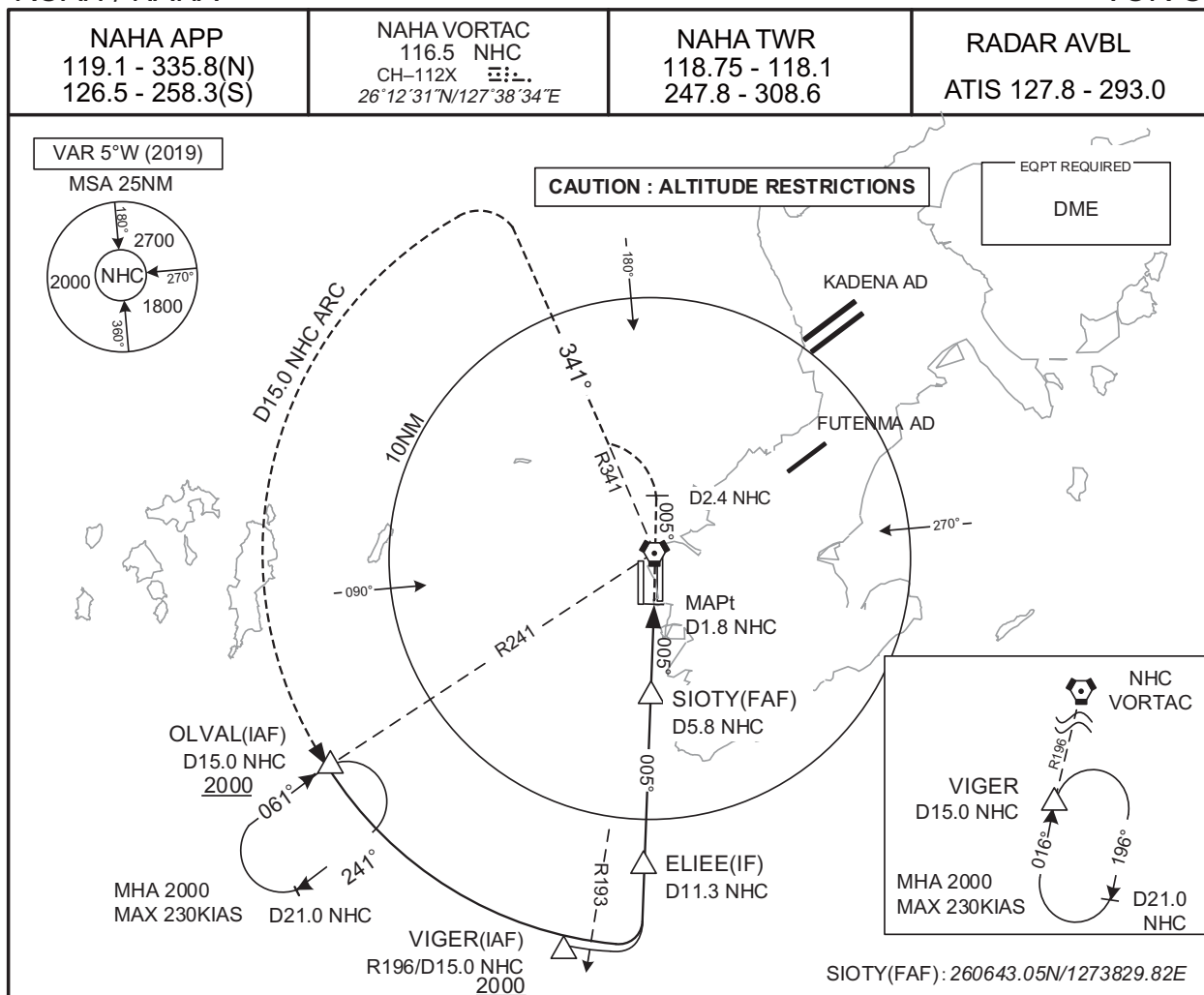
Circling to WEST side of RWY only.

CHANGE: New PROC

INSTRUMENT APPROACH CHART

ROAH / NAHA

VOR C

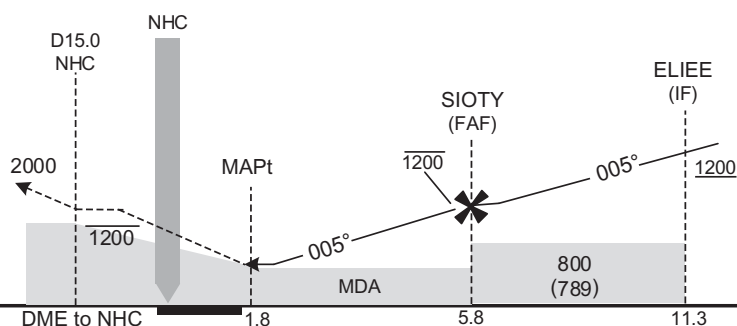


MISSED APPROACH

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

Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

ROAH / NAHA

TACAN D

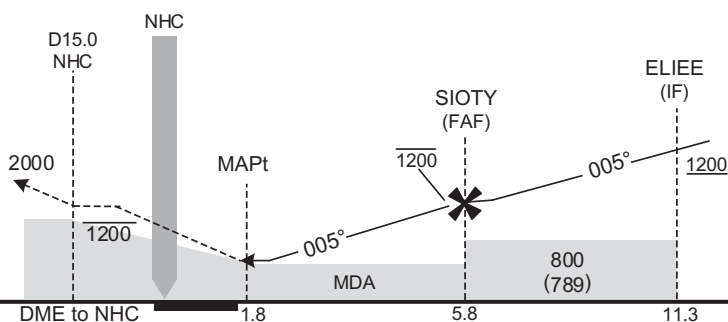


MISSED APPROACH

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 15.0DME counterclockwise ARC to OLVAL and hold.

Contact NAHA APP.

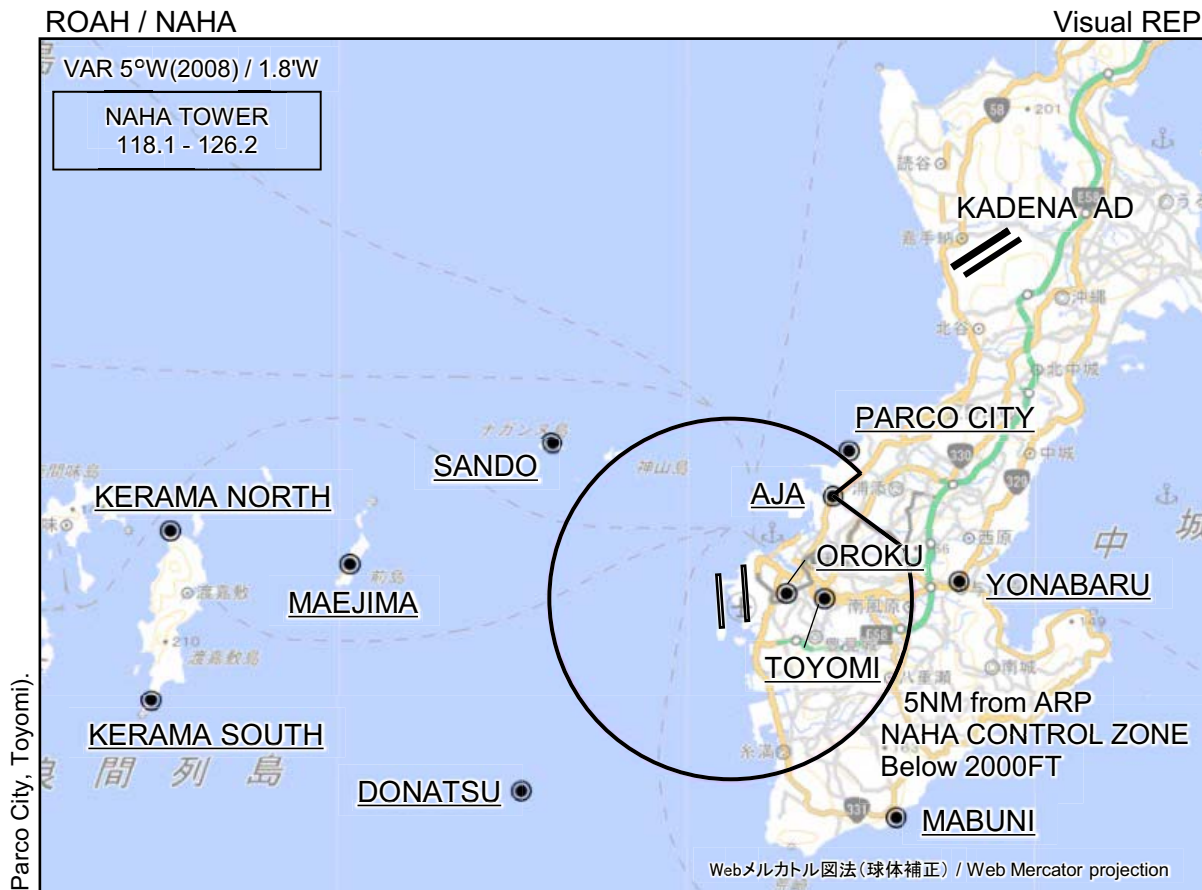
Timing not authorized for defining the MAPt.



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.



※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).

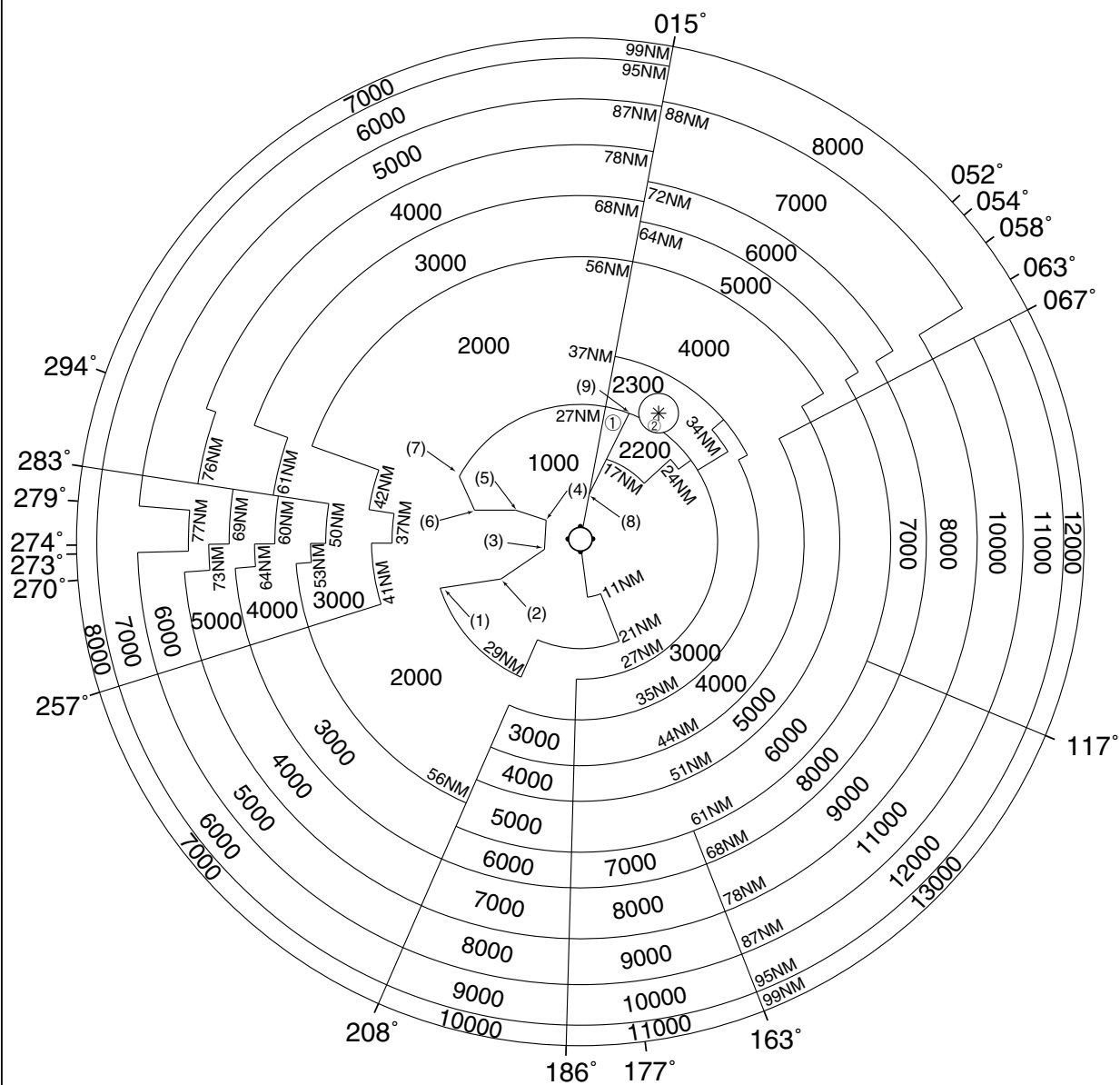
CHANGE : Map updated. BRG/DIST from ARP. Visual REP established(Oroku, Parco City, Toyomi).

| 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 | | |