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STANDARD DEPARTURE CHART - INSTRUMENT

RJFG / TANEGASHIMA

SID

CHANGE : PROC renamed. QUEEN TWO DEPARTURE, KINKO TWO DEPARTURE abolished. PROC course.

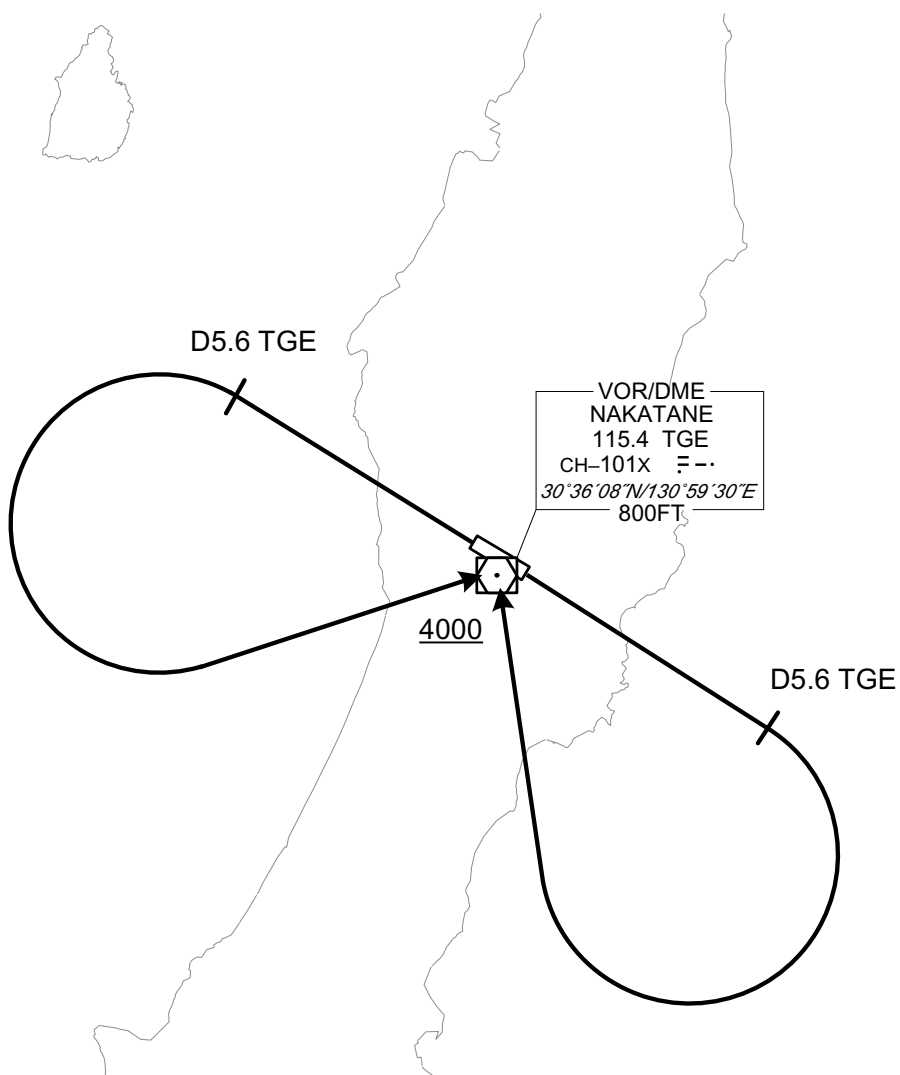
TANEGASHIMA REVERSAL THREE DEPARTURE

RWY 13 : Climb RWY HDG to TGE 5.6DME, turn right,...

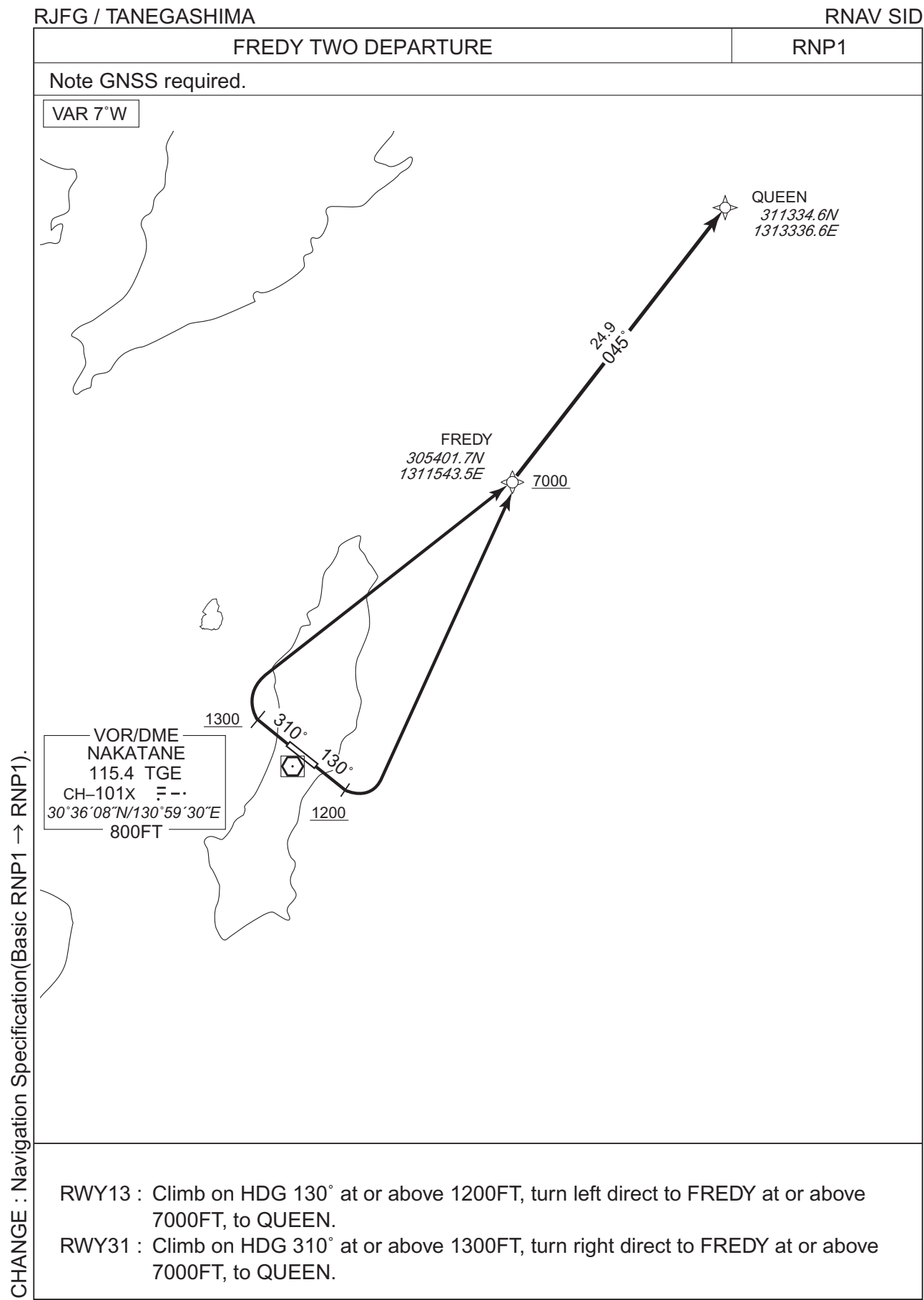
RWY 31 : Climb RWY HDG to TGE 5.6DME, turn left,...

... direct to TGE VOR/DME.

Cross TGE VOR/DME at or above 4000FT.



STANDARD DEPARTURE CHART -INSTRUMENT



STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA

RNAV SID

FREDY TWO DEPARTURE

RWY13

| 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 | - | - | 130 (123.0) | -7.0 | - | - | +1200 | - | - | RNP1 |
| 002 | DF | FREDY | - | - | -7.0 | - | L | +7000 | - | - | RNP1 |
| 003 | TF | QUEEN | - | 045 (038.0) | -7.0 | 24.9 | - | - | - | - | RNP1 |

RWY31

| 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 | - | - | 310 (303.0) | -7.0 | - | - | +1300 | - | - | RNP1 |
| 002 | DF | FREDY | - | - | -7.0 | - | R | +7000 | - | - | RNP1 |
| 003 | TF | QUEEN | - | 045 (038.0) | -7.0 | 24.9 | - | - | - | - | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART -INSTRUMENT

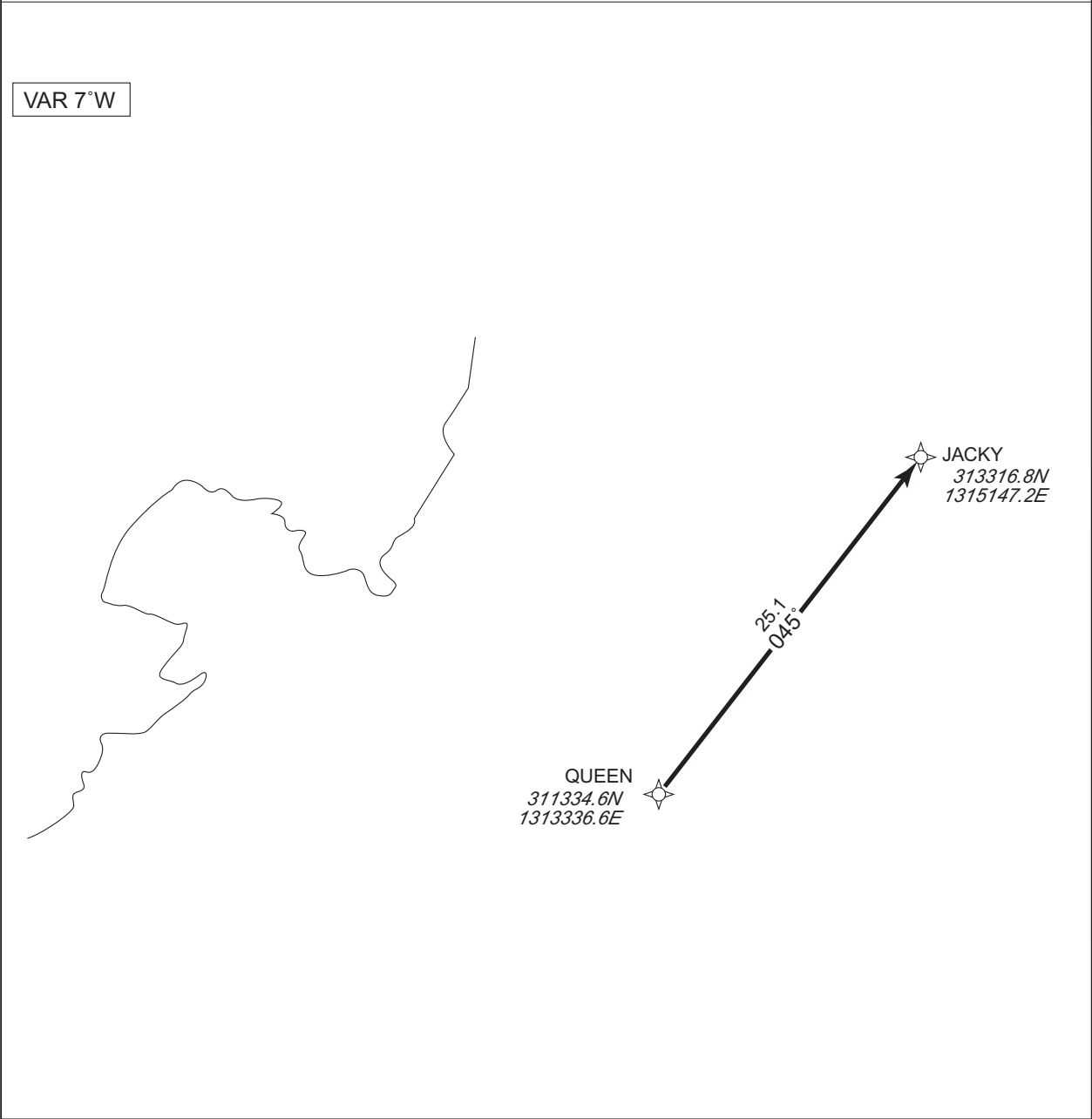
RJFG / TANEGASHIMA

RNAV TRANSITION

JACKY TRANSITION

RNP1

Note GNSS required.

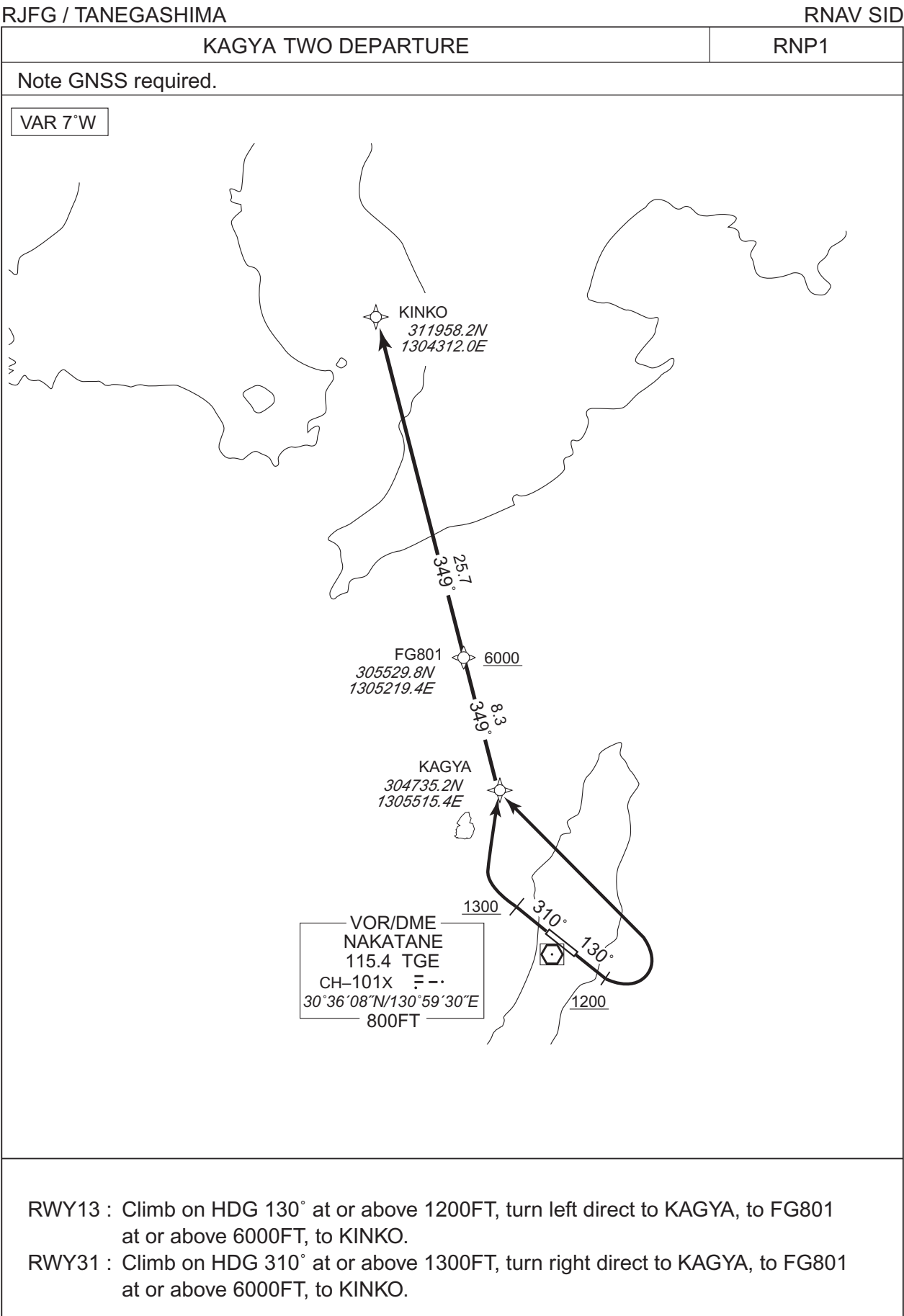


From QUEEN to JACKY.

| 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 | QUEEN | — | — | -7.0 | — | — | — | — | — | RNP1 |
| 002 | TF | JACKY | — | 045 (038.1) | -7.0 | 25.1 | — | — | — | — | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART -INSTRUMENT



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA

RNAV SID

KAGYA TWO DEPARTURE

RWY13

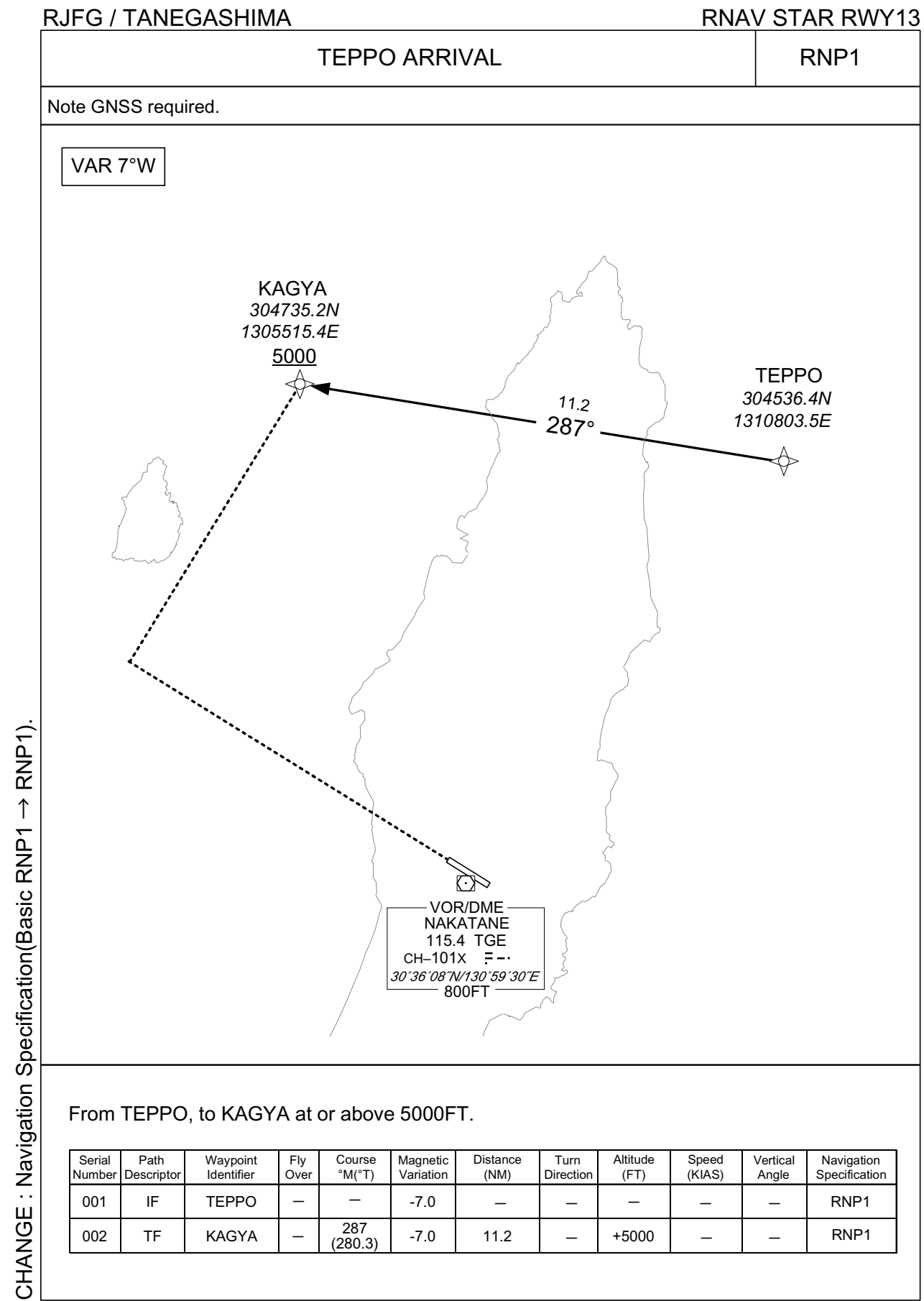
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | - | - | 130 (123.0) | -7.0 | - | - | +1200 | - | - | RNP1 |
| 002 | DF | KAGYA | - | - | -7.0 | - | L | - | - | - | RNP1 |
| 003 | TF | FG801 | - | 349 (342.4) | -7.0 | 8.3 | - | +6000 | - | - | RNP1 |
| 004 | TF | KINKO | - | 349 (342.3) | -7.0 | 25.7 | - | - | - | - | RNP1 |

RWY31

| 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 | - | - | 310 (303.0) | -7.0 | - | - | +1300 | - | - | RNP1 |
| 002 | DF | KAGYA | - | - | -7.0 | - | R | - | - | - | RNP1 |
| 003 | TF | FG801 | - | 349 (342.4) | -7.0 | 8.3 | - | +6000 | - | - | RNP1 |
| 004 | TF | KINKO | - | 349 (342.3) | -7.0 | 25.7 | - | - | - | - | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART - INSTRUMENT

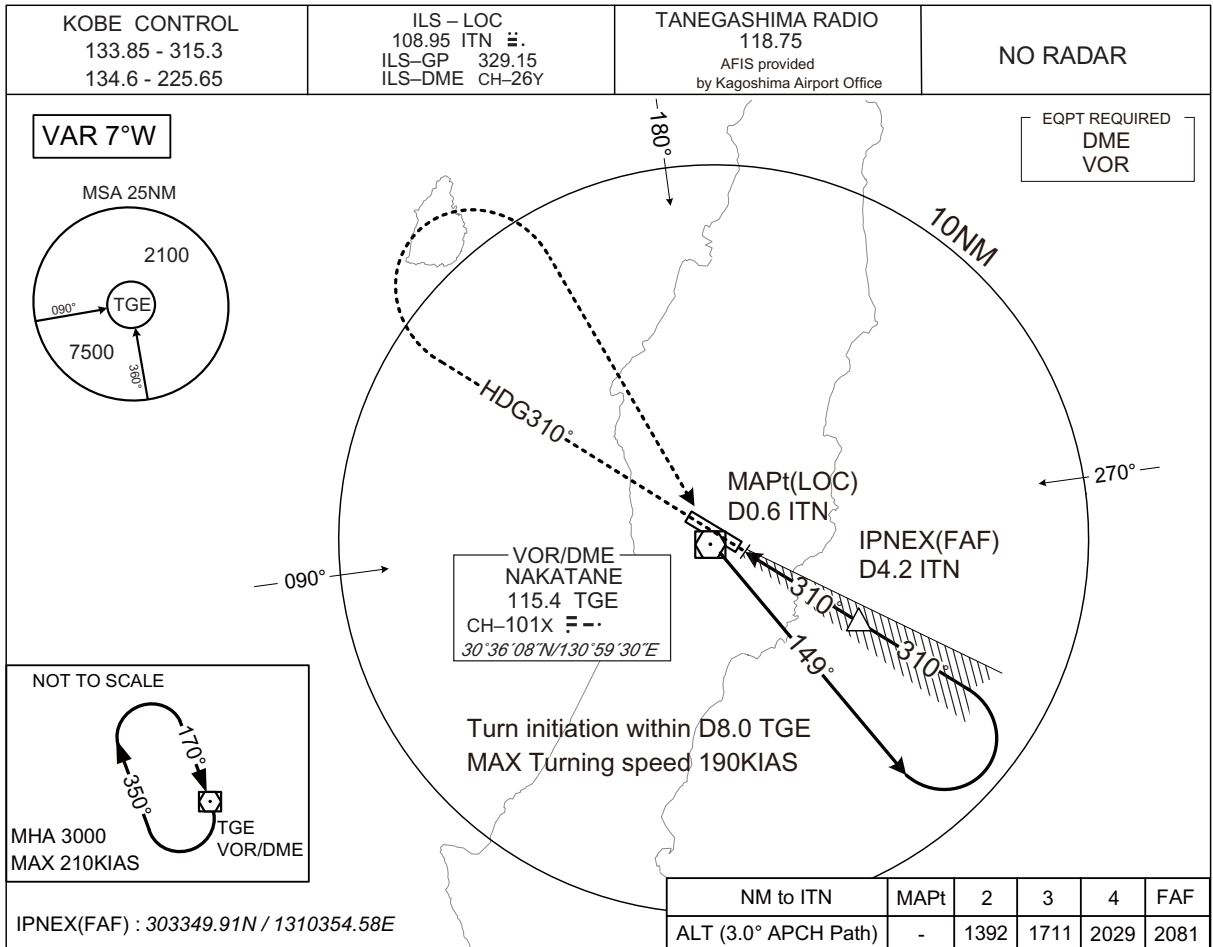


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INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

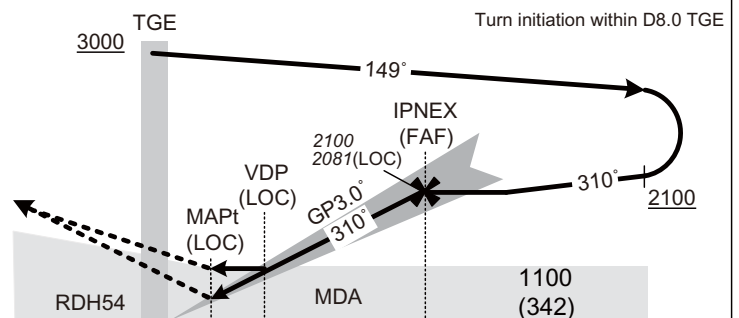
ILS Z or LOC RWY31



MISSED APPROACH

Climb on HDG310° to 3000FT,
turn right, direct to TGE VOR/DME
and hold.
Contact TANEGASHIMA RADIO.

Timing not authorized for defining the MAPt.



| | | | | |
|------------|-----|-----|-----|-----|
| DME to ITN | 0.2 | 0.6 | 1.1 | 4.2 |
| NM to THR | 0 | 0.5 | 1.0 | 4.0 |

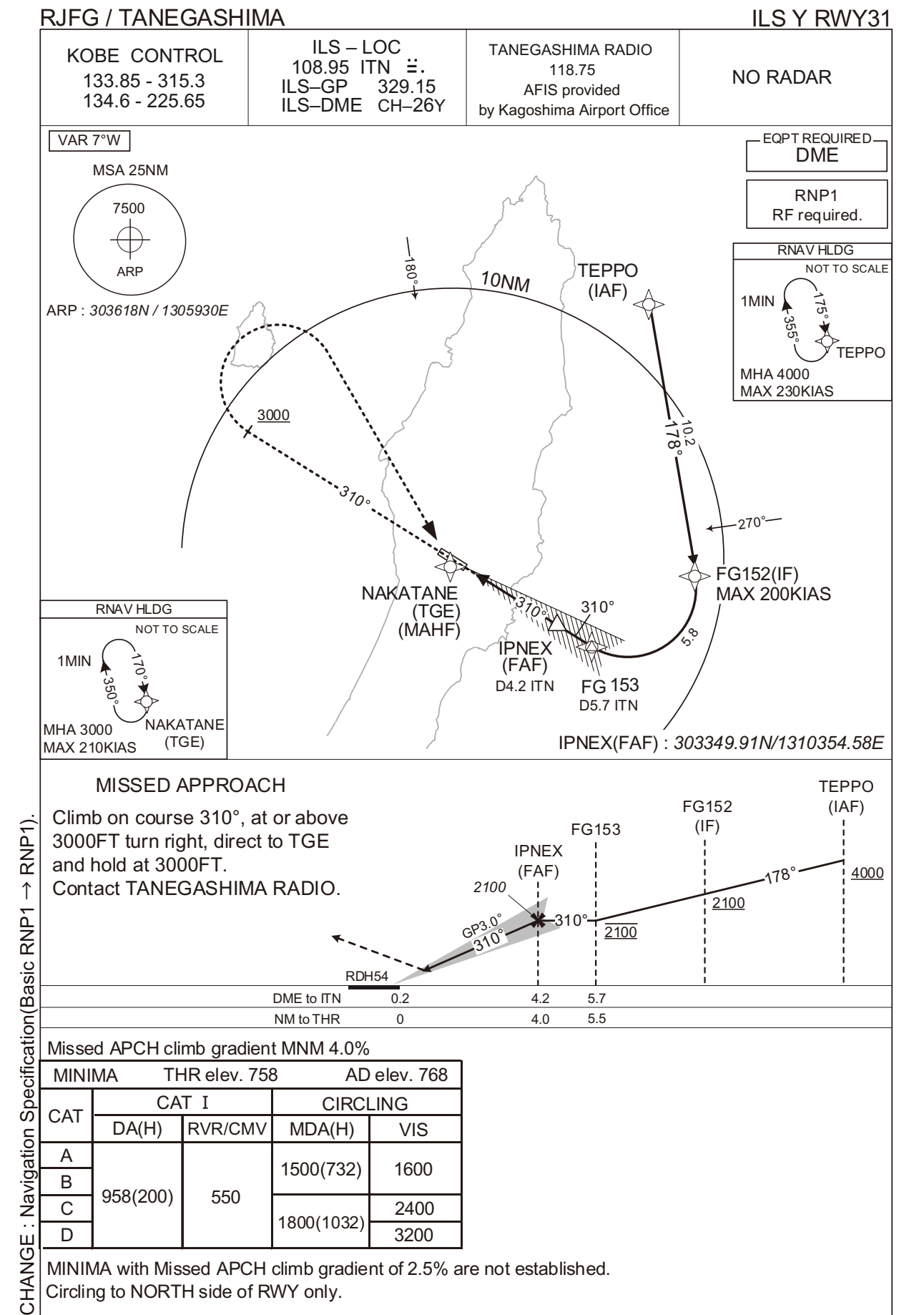
Missed APCH climb gradient MNM 4.0%

| MINIMA | | THR elev. 758 | | AD elev. 768 | | |
|--------|----------|---------------|-----------|--------------|------------|------|
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 958(200) | 550 | 1100(342) | 900 | 1500(732) | 1600 |
| B | | | | 1000 | | |
| C | | | | 1400 | 1800(1032) | 2400 |
| D | | | | | | 3200 |

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

CHANGE : PROC renamed.

INSTRUMENT APPROACH CHART

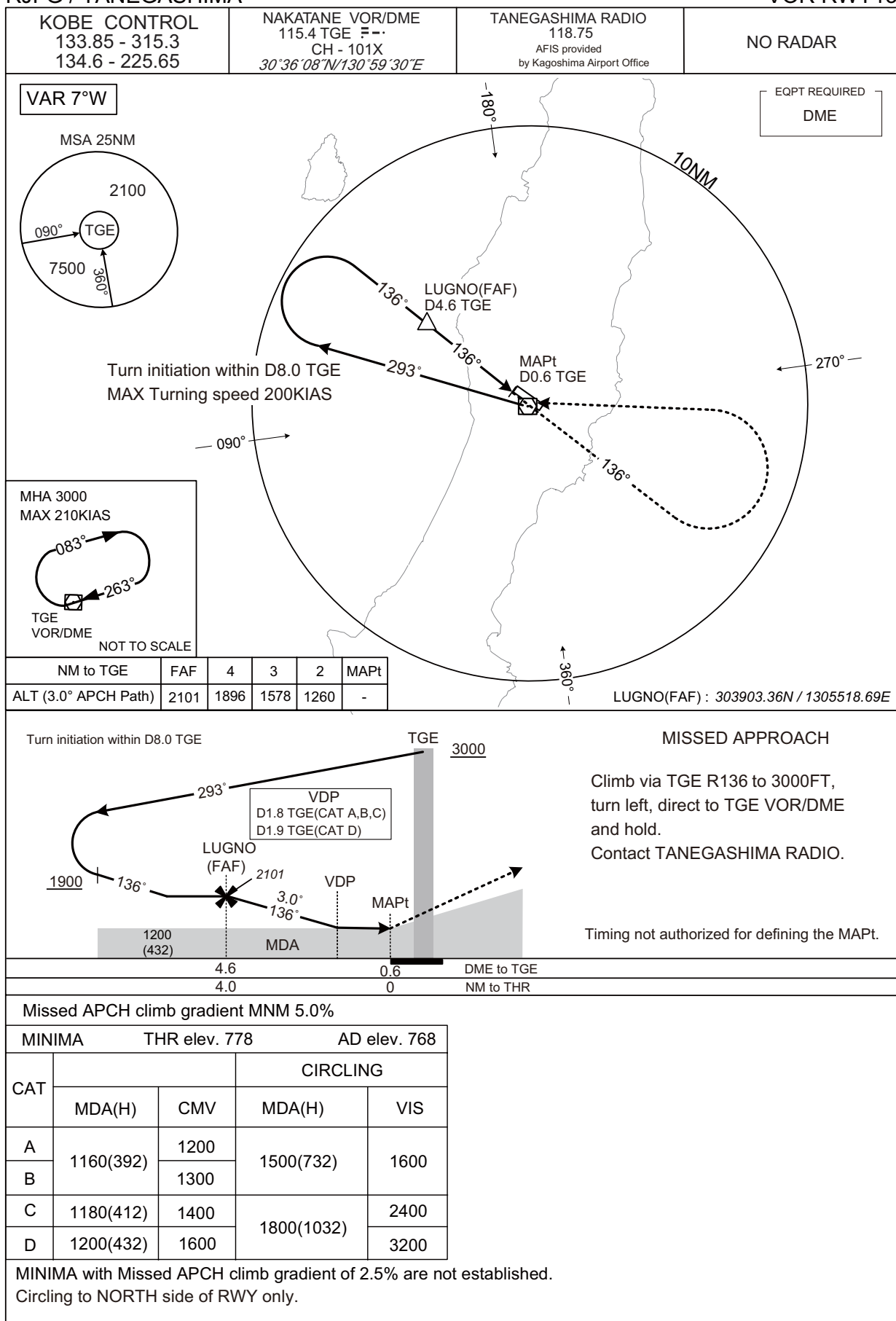


CHANGE : Navigation Specification(Basic RNP1 → RNP1).

INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

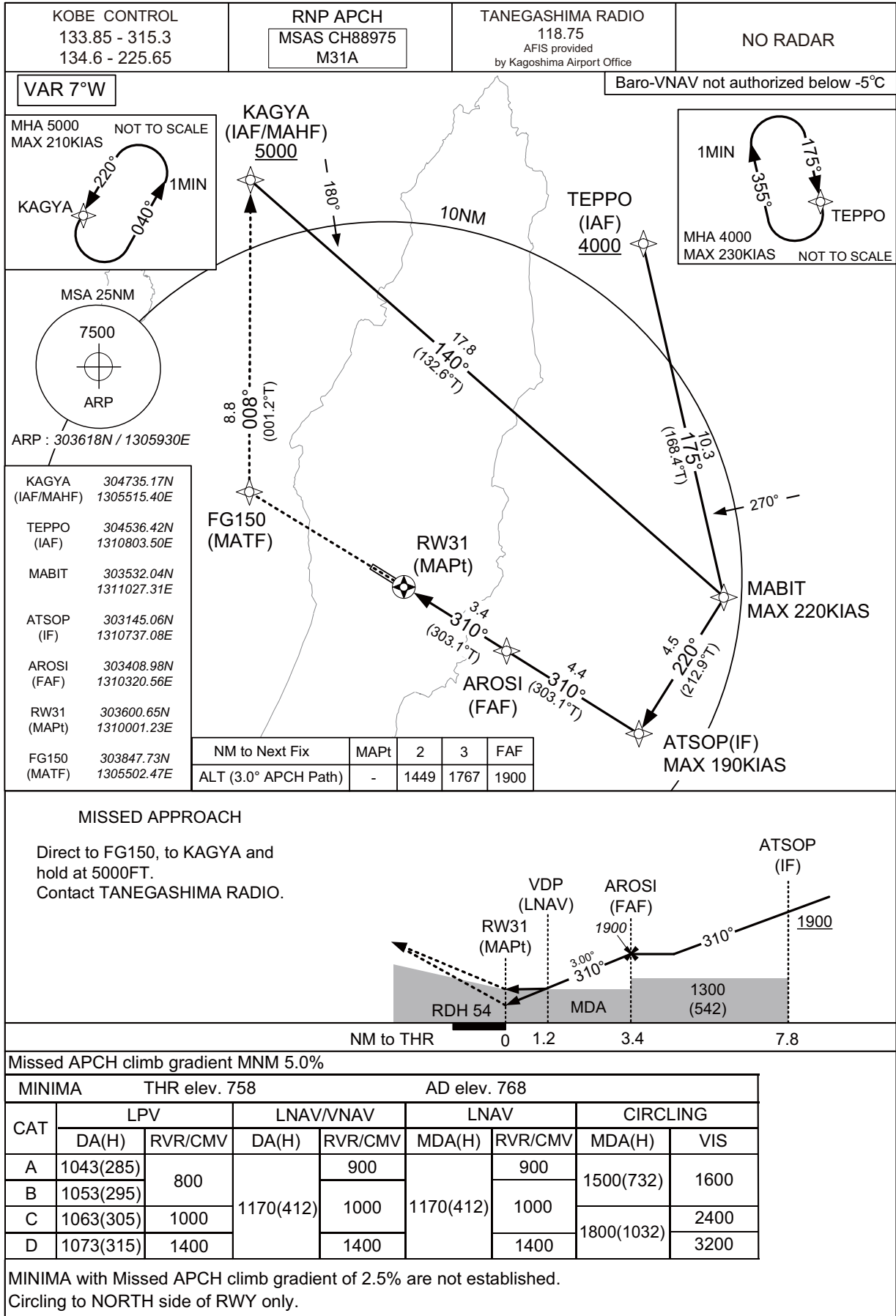
VOR RWY13



INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

RNP RWY31



INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

RNP RWY31

FAS DATA BLOCK

| | | | |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type | 0 | LTP/FTP ellipsoidal height | +02605 |
| SBAS service provider identifier | 2 | FPAP latitude | 303635.9110N |
| Airport identifier | RJFG | FPAP longitude | 1305858.2130E |
| Runway | 31 | Threshold crossing height | 00016.5 |
| Approach performance designator | 0 | TCH units selector | 1 |
| Route indicator | | Glide path angle | 03.00 |
| Reference path data selector | 0 | Course width at threshold | 105.00 |
| Reference path ID | M31A | ∠ length offset | 0000 |
| LTP/FTP latitude | 303600.6245N | HAL | 40.0 |
| LTP/FTP longitude | 1310001.2545E | VAL | 50.0 |
| CRC remainder | 2EE6E3AF | | |

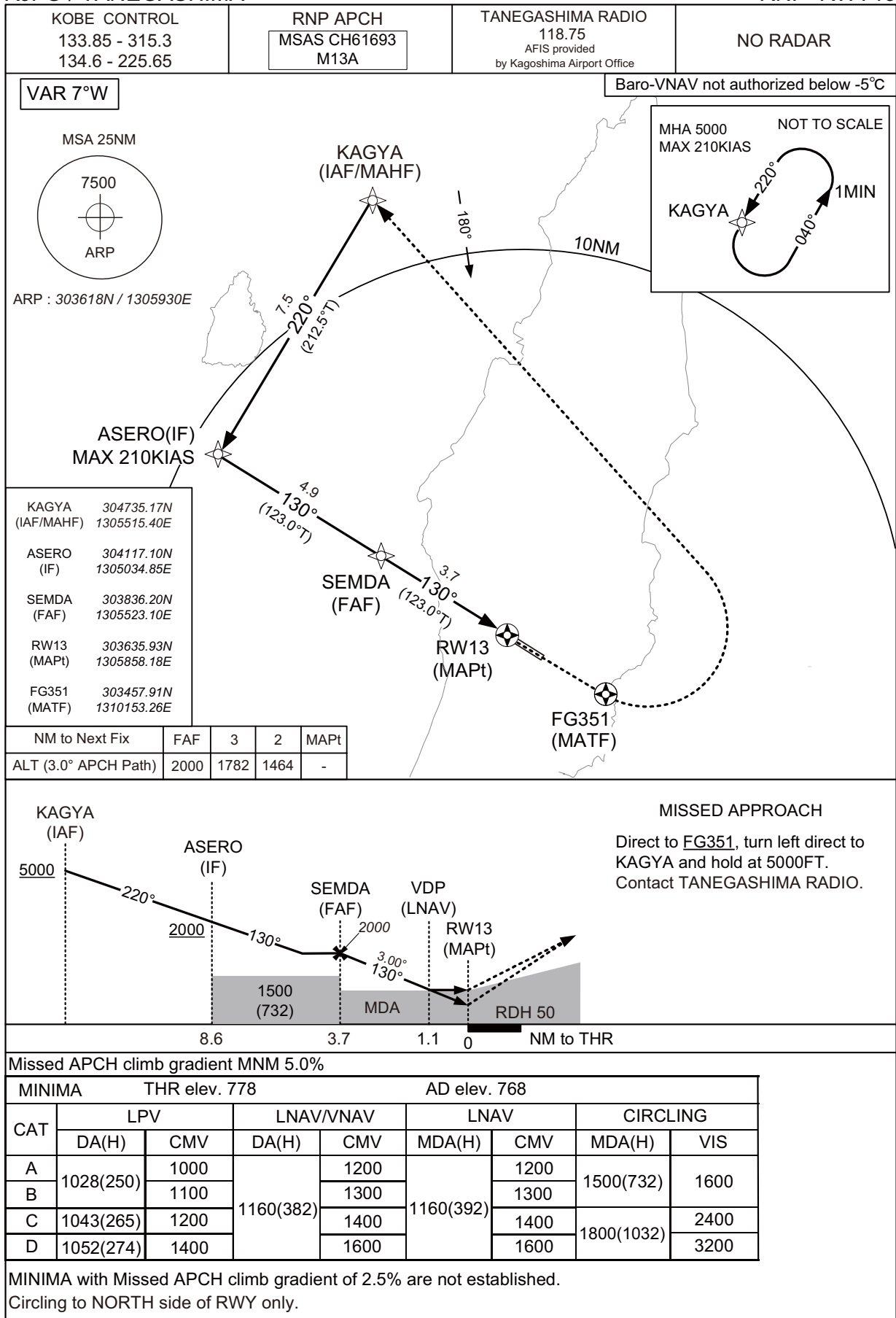
Required additional data

| | |
|----------------------------|-------|
| LTP/FTP orthometric height | 231.2 |
|----------------------------|-------|

INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

RNP RWY13



INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

RNP RWY13

FAS DATA BLOCK

| | | | |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type | 0 | LTP/FTP ellipsoidal height | +02666 |
| SBAS service provider identifier | 2 | FPAP latitude | 303600.6245N |
| Airport identifier | RJFG | FPAP longitude | 1310001.2545E |
| Runway | 13 | Threshold crossing height | 00015.0 |
| Approach performance designator | 0 | TCH units selector | 1 |
| Route indicator | | Glide path angle | 03.00 |
| Reference path data selector | 0 | Course width at threshold | 105.00 |
| Reference path ID | M13A | ∠ length offset | 0000 |
| LTP/FTP latitude | 303635.9110N | HAL | 40.0 |
| LTP/FTP longitude | 1305858.2130E | VAL | 50.0 |
| CRC remainder | 1527D649 | | |

Required additional data

| | |
|----------------------------|-------|
| LTP/FTP orthometric height | 237.1 |
|----------------------------|-------|

RJFG / TANEGASHIMA

Visual REP



※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).

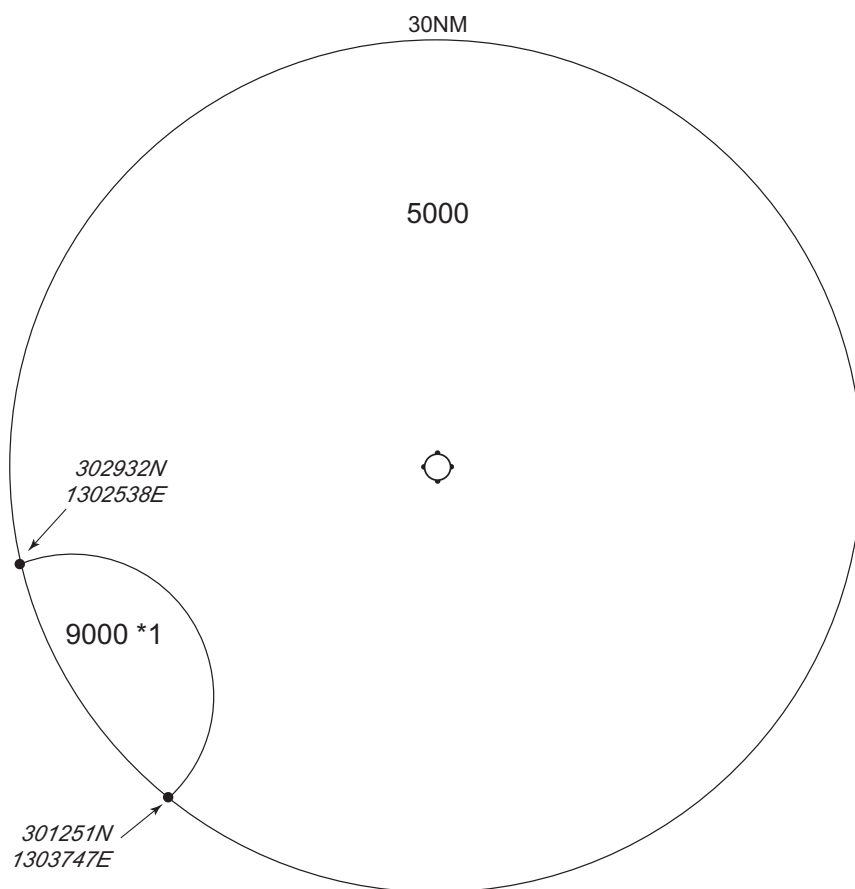
CHANGE : VAR.

| Call sign | BRG / DIST from ARP | Remarks |
|---------------------|---------------------|--------------------|
| 喜志鹿崎 Kishigazaki | 014°T / 14.2NM | 灯台 Lighthouse |
| 西之表 Nishinoomote | 359°T / 7.5NM | 西之表港 Harbor |
| 10NM W | 270°T / 10.0NM | 海上 Over the sea |
| 島間 Shimama | 219°T / 10.6NM | 港 Harbor |
| 竹崎 Takezaki | 187°T / 13.2NM | 灯台 Lighthouse |

RJFG / TANEGASHIMA

Minimum Vectoring Altitude CHART

CHANGE : Minimum vectoring altitude(6000→5000).



*1 : 302013N/1302957E RADIUS : 10NM

CENTER : 303618N/1305930E (ARP)