

## AERODROME CHART

NARITA INTERNATIONAL AIRPORT  
ELEV 41m(134.5ft)ARP

ELEV 41m(134.5ft)ARP

HS: HOT SPOT / see RJAA AD2.2

VAR 8° W 2023  
ANNUAL CHANGE  
3'W

RUNWAY-HOLDING POSITION MARKINGS  
MANDATORY INSTRUCTION MARKINGS  
and STOP BAR LIGHTS

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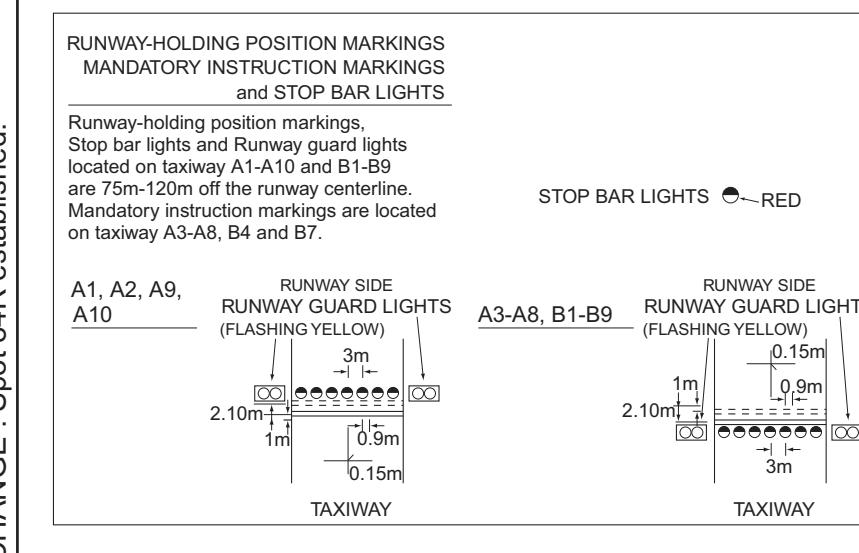
Runway-holding position markings, Stop bar lights and Runway guard lights located on taxiway A1-A10 and B1-B9 are 75m-120m off the runway centerline. Mandatory instruction markings are located on taxiway A3-A8, B4 and B7.

A1, A2, A9, RUNWAY SIDE  
RUNWAY SHADING LIGHTS

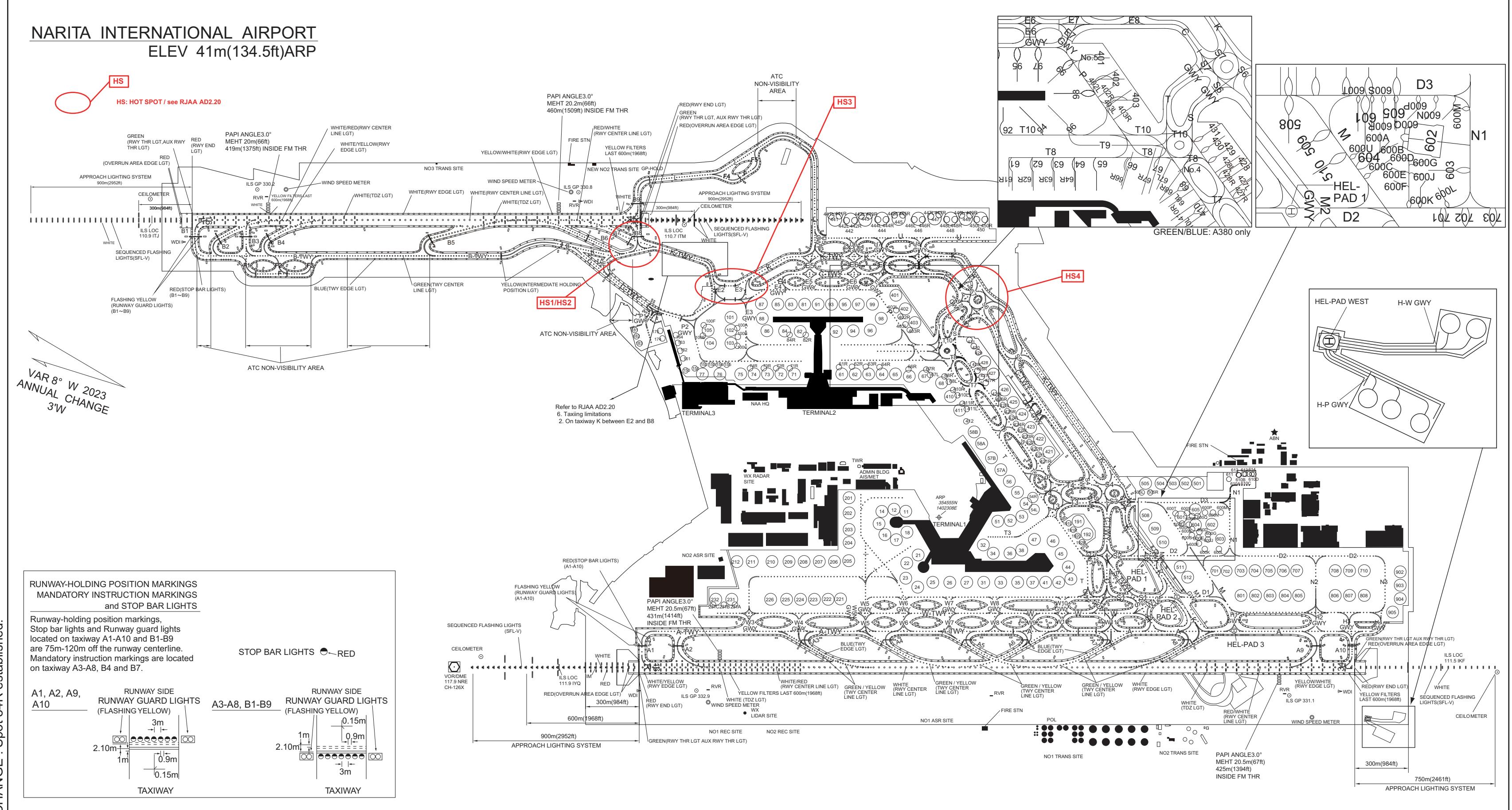
Detailed description: A diagram showing a row of 10 circular lights. The row is labeled '2.10m' vertically above it and '1m' horizontally below it. To the right of the row is a gap labeled '0.9m'. Below the row is a depth dimension labeled '0.15m'. Above the row, the text 'RUNWAY GUARD LIGHTS' is at the top, followed by '(FLASHING YELLOW)' in parentheses.

STOP BAR LIGHTS RE

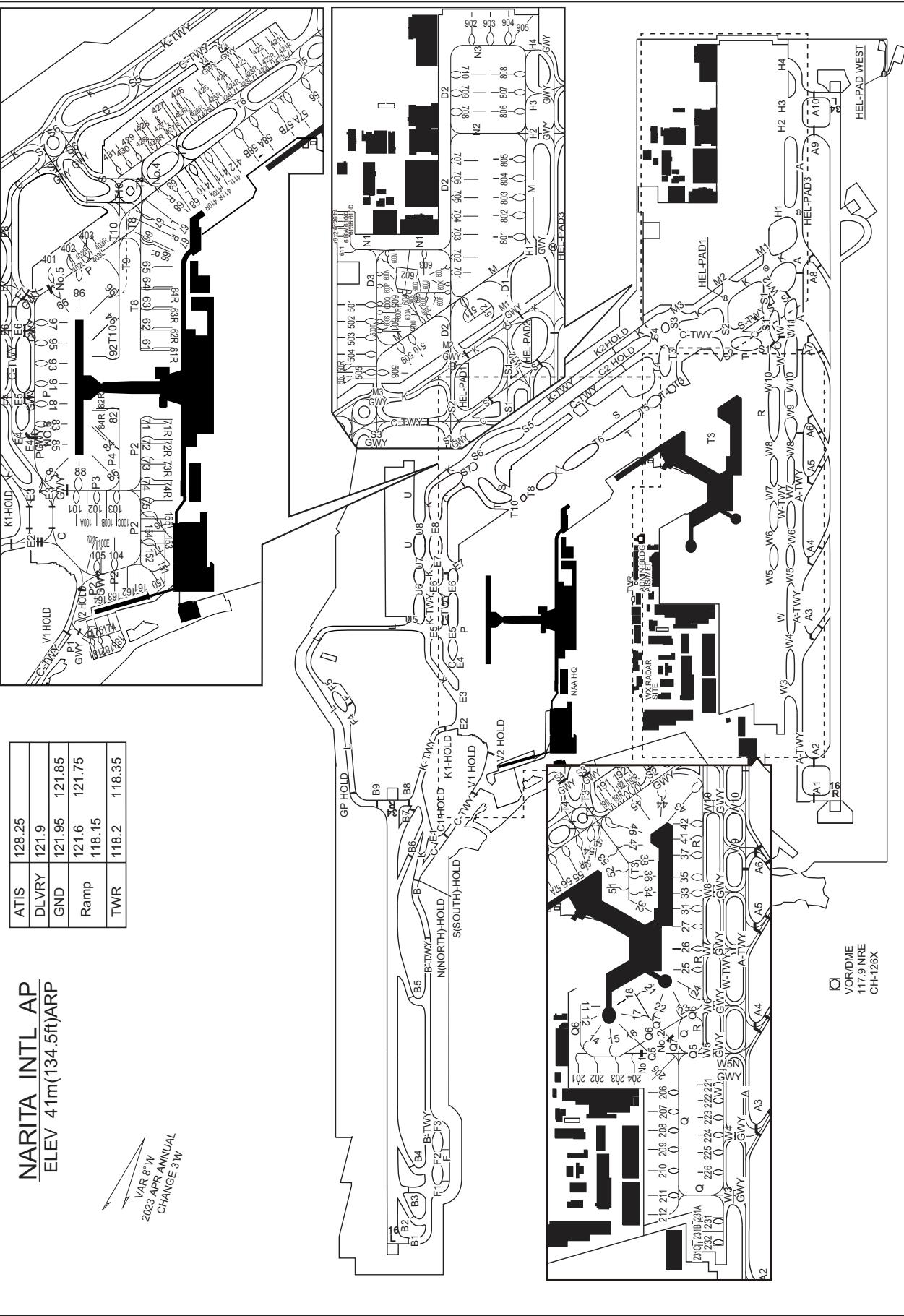
The diagram illustrates the placement of runway side guard lights. It shows a vertical line representing the runway edge. On the left, a box labeled '3-A8, B1-B9' is positioned at a height of 2.10m from the ground. A bracket indicates a distance of 1m from the runway edge. On the right, a series of circular light fixtures are arranged along a line. The first fixture is at a height of 0.9m, with a bracket indicating a distance of 0.15m from the previous fixture. A bracket also indicates a total length of 3m for the row of lights.



CHANGE : Sport 84B established

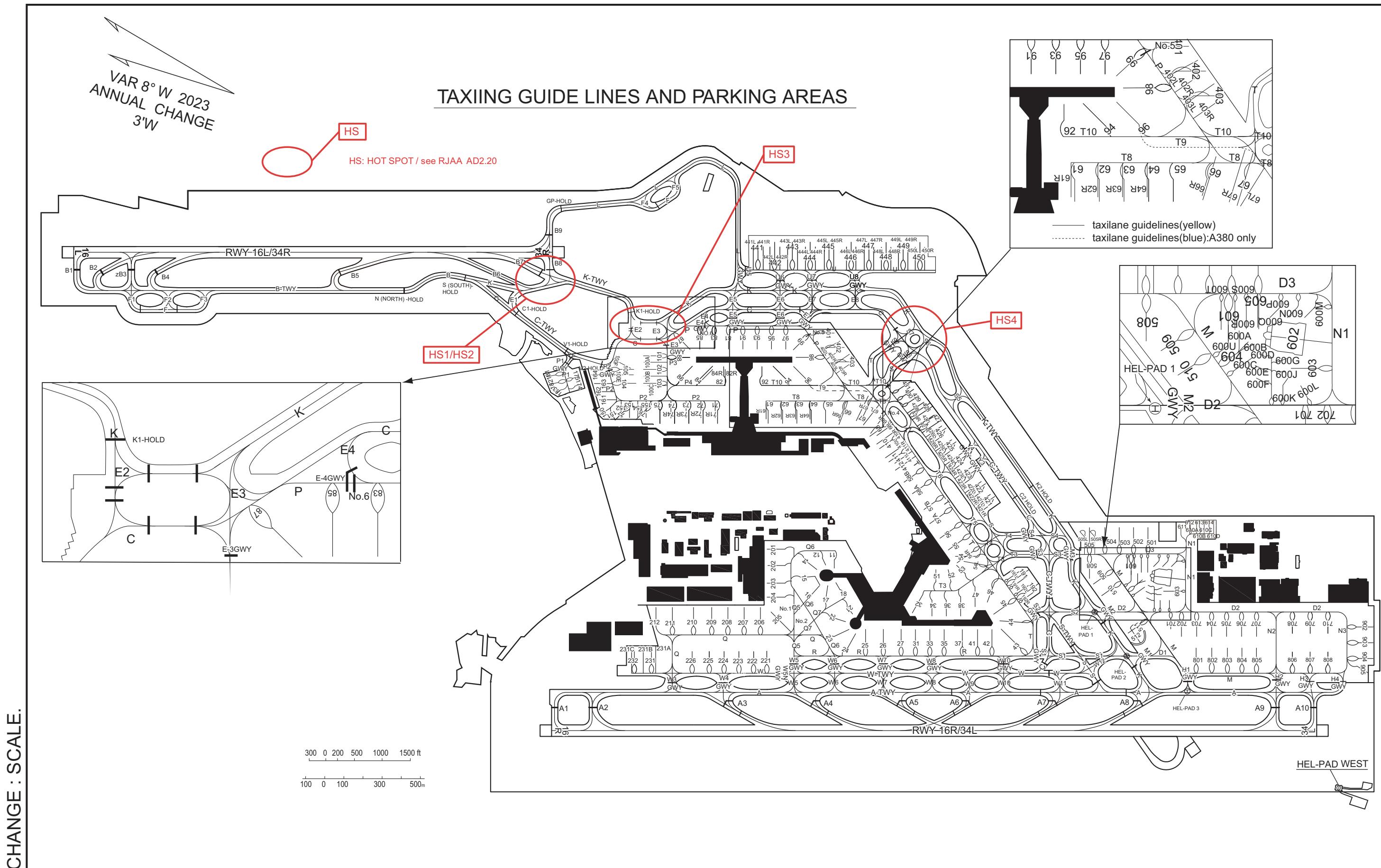


CHANGE : Spot 84R established.



**INTENTIONALLY LEFT BLANK**

## TAXIING GUIDE LINES AND PARKING AREAS

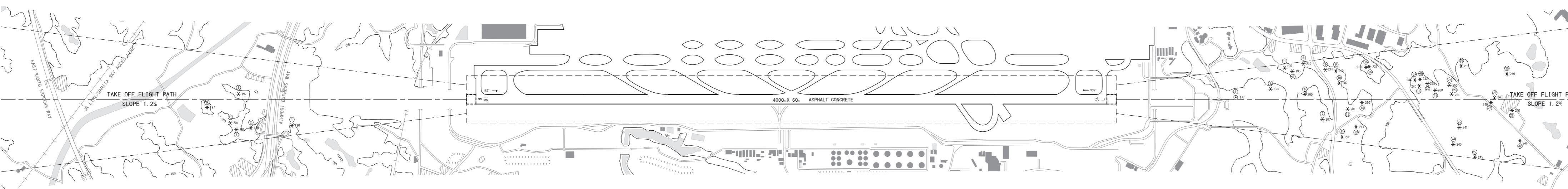
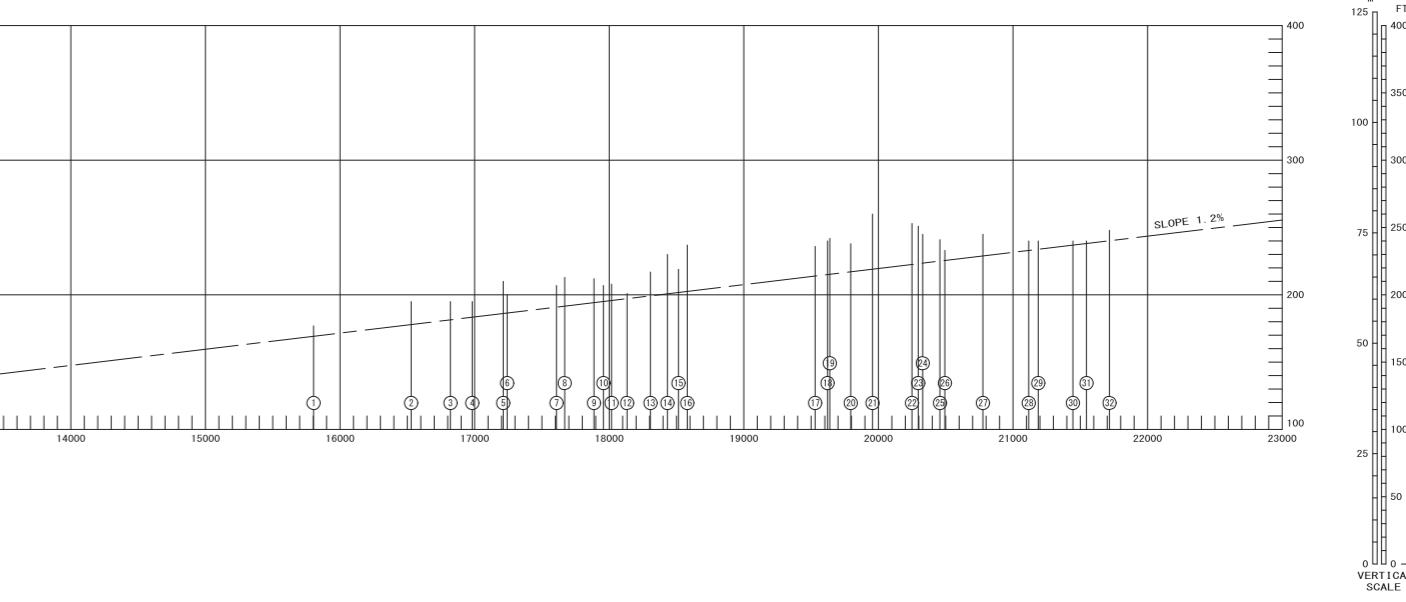
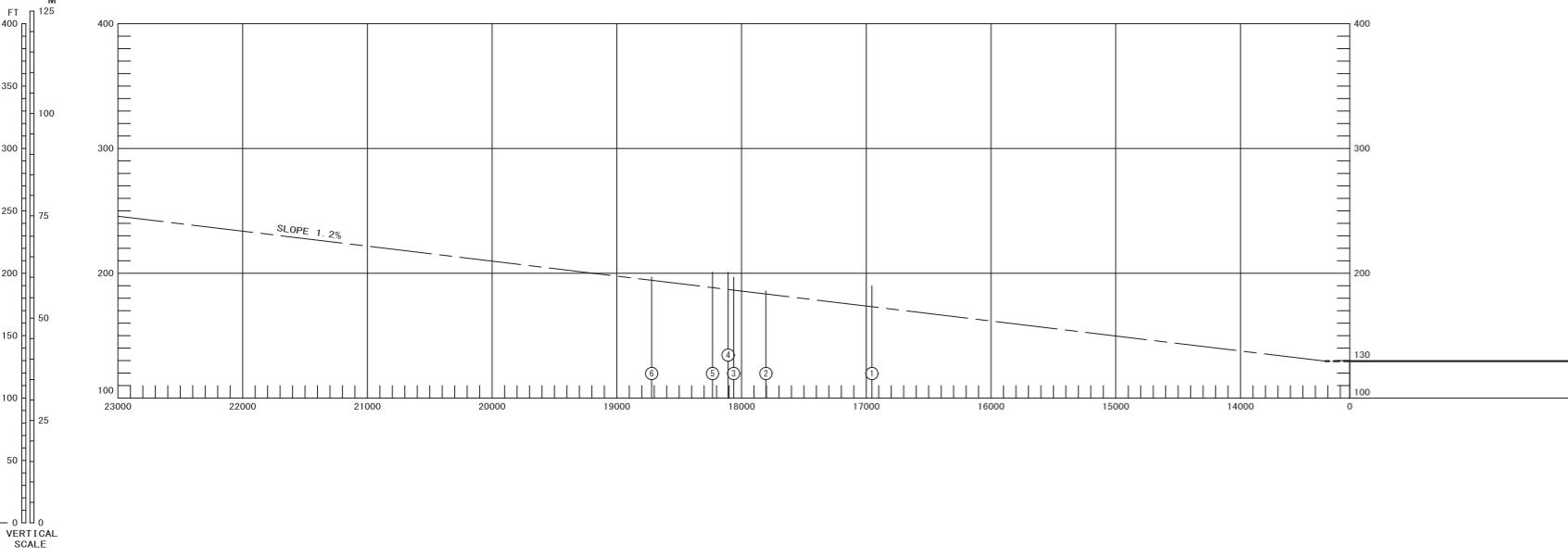


DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8° W-JAN 2025

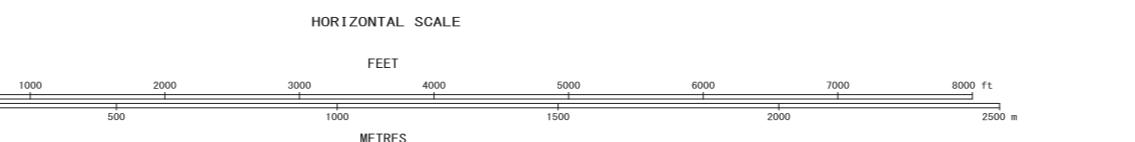
AERODROME OBSTRUCTION CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)NARITA INTERNATIONAL AIRPORT  
RWY : 16R/34L

| DECLARED DISTANCES |  |
|--------------------|--|
| RWY 16R            | RWY 34L  |
| 4000 <sup>+</sup>  | TAKE-OFF RUN AVAILABLE 4000 <sup>+</sup>             |
| 4000 <sup>+</sup>  | TAKE-OFF DISTANCE AVAILABLE 4000 <sup>+</sup>        |
| 4000 <sup>+</sup>  | ACCELERATE STOP DISTANCE AVAILABLE 4000 <sup>+</sup> |
| 4000 <sup>+</sup>  | LANDING DISTANCE AVAILABLE 4000 <sup>+</sup>         |



CHANGE: Update.

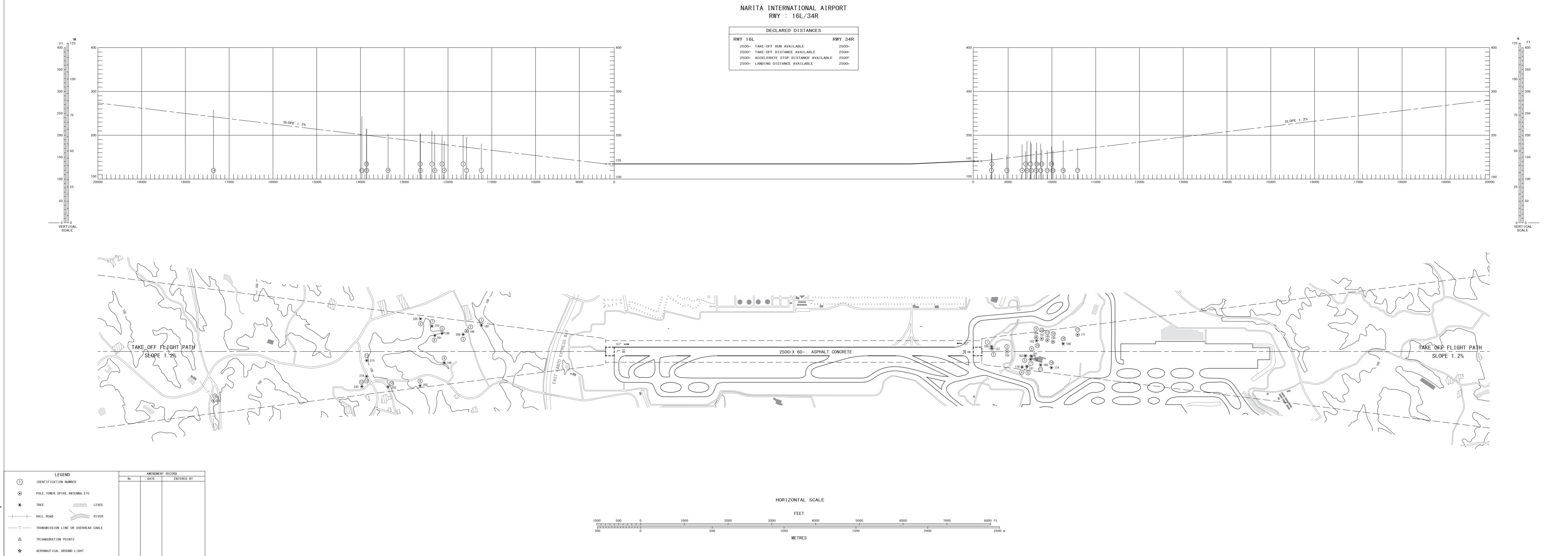
| LEGEND |                                     | AMENDMENT RECORD |  |  |
|--------|-------------------------------------|------------------|--|--|
| Nr     | DATE                                | ENTERED BY       |  |  |
| ①      | IDENTIFICATION NUMBER               |                  |  |  |
| ◎      | POLE, TOWER, SPIRE, ANTENNA, ETC    |                  |  |  |
| *      | TREE                                |                  |  |  |
| —      | RAIL ROAD                           |                  |  |  |
| —      | TRANSMISSION LINE OR OVERHEAD CABLE |                  |  |  |
| △      | TRIANGULATION POINTS                |                  |  |  |
| ★      | AERONAUTICAL GROUND LIGHT           |                  |  |  |
| ◆      | LEVEE                               |                  |  |  |
| —      | RIVER                               |                  |  |  |



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8° W-JAN 2025

AERODROME OBSTRUCTION CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)





CHANGE : FFM relocated.



STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

SID

SAKURA FIVE DEPARTURE

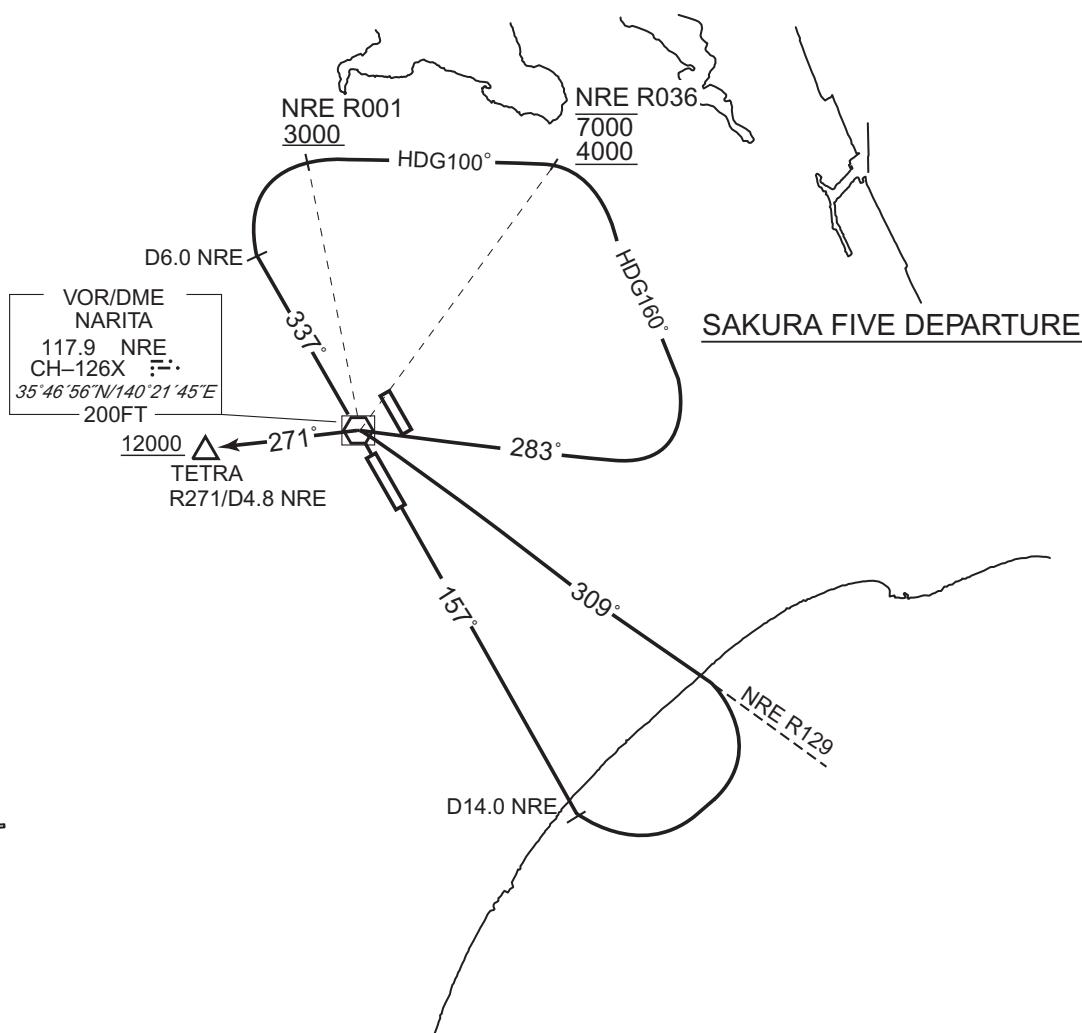
RWY 16R : Climb via NRE R157 to 14.0DME, turn left to intercept and proceed via NRE R129 to NRE VOR/DME, via NRE R271 to TETRA.  
Cross TETRA at or above 12000FT.

RWY 16L : (Not established)

RWY 34L : Climb via NRE R337 to 6.0DME, turn right HDG100° until crossing NRE R036, turn right HDG160° to intercept and proceed via NRE R103 to NRE VOR/DME, via NRE R271 to TETRA.  
Cross NRE R001 at or above 3000FT,  
cross NRE R036 between 4000FT and 7000FT,  
cross TETRA at or above 12000FT.

RWY 34R : (Not established)

CHANGE : PROC renamed. PROC FM RWY 16L/34R abolished. HOKUSO VOR/DME(HKE) abolished.



## STANDARD DEPARTURE CHART -INSTRUMENT

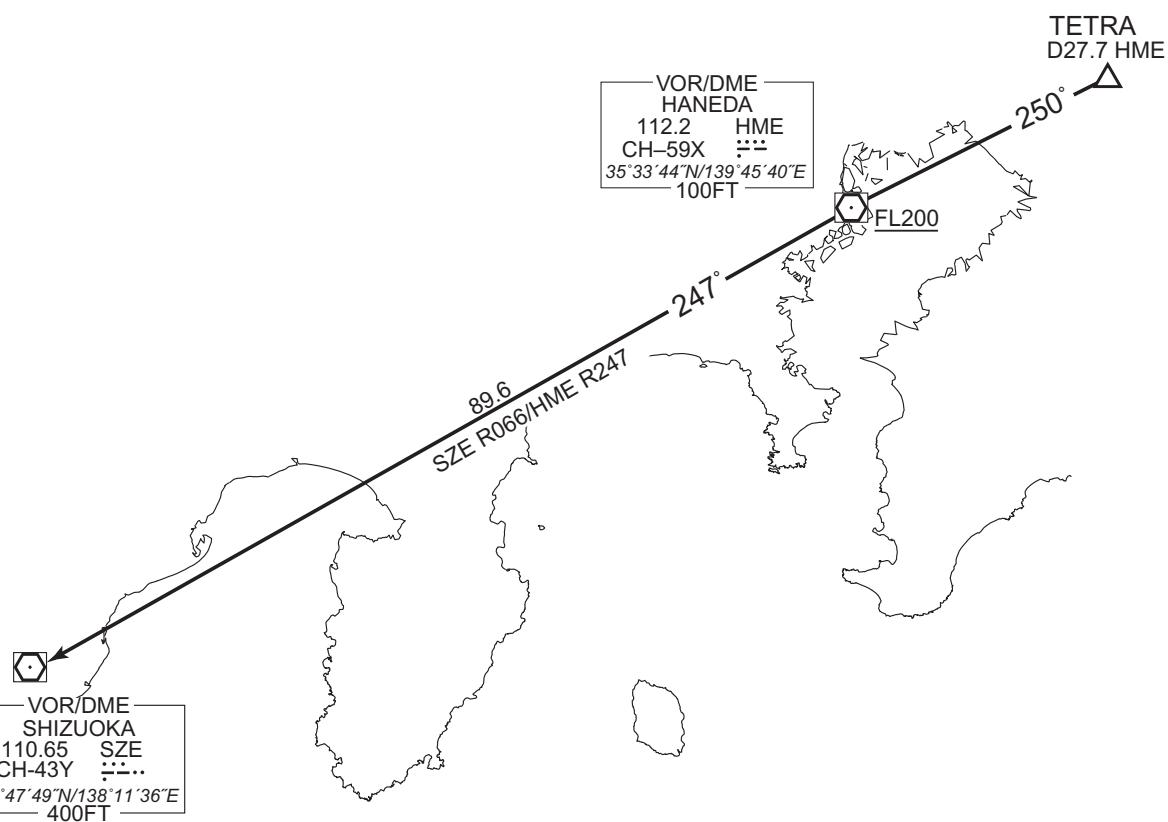
RJAA / NARITA INTL

TRANSITION

SHIZUOKA TRANSITION

From over TETRA, via HME R070 to HME VOR/DME, via HME R247/SZE R066 to SZE VOR/DME.

Cross HME VOR/DME at or above FL200.



CHANGE : Course FM SZE to HME.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

SID

**AKAGI FOUR DEPARTURE**

**RWY16R** : Climb via NRE R157 to 14.0DME, turn right, direct to NRE VOR/DME, via NRE R326 to AKAGI via LOPIA and YAOKO.

Cross LOPIA at or above 12000FT, cross YAOKO at or above FL180.

**RWY16L** : (Not established)

**RWY34L** : Climb via NRE R337 to 6.0DME, turn right HDG100° until crossing NRE R036, turn right HDG160° to intercept and proceed via NRE R103 to NRE VOR/DME, via NRE R326 to AKAGI via LOPIA and YAOKO.

Cross NRE R001 at or above 3000FT,  
cross NRE R036 between 4000FT and 7000FT,

cross LOPIA at or above 12000FT, cross YAOKO at or above FL180.

**RWY34R** : (Not established)

CHANGE : PROC renamed. PROC FM RWY 16L/34R abolished. HOKUSO VOR/DME(HKE) abolished.



## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

SID

SUNNS TWO DEPARTURE

RWY16R : Climb via NRE R157 to 14.0DME, turn left HDG108° to intercept and proceed via NRE R138 to SUNNS via ROUSY.

Cross ROUSY at or above 7000FT, cross SUNNS at or above FL190.

RWY16L : (Not established)

RWY34L : Climb via NRE R337 to 6.0DME, turn right, direct to NRE VOR/DME, via NRE R138 to SUNNS via ROUSY.

Cross NRE R001 at or above 2800FT,  
cross NRE R018 at or below 7000FT,  
cross ROUSY at or above 7000FT, cross SUNNS at or above FL190.

RWY34R : (Not established)

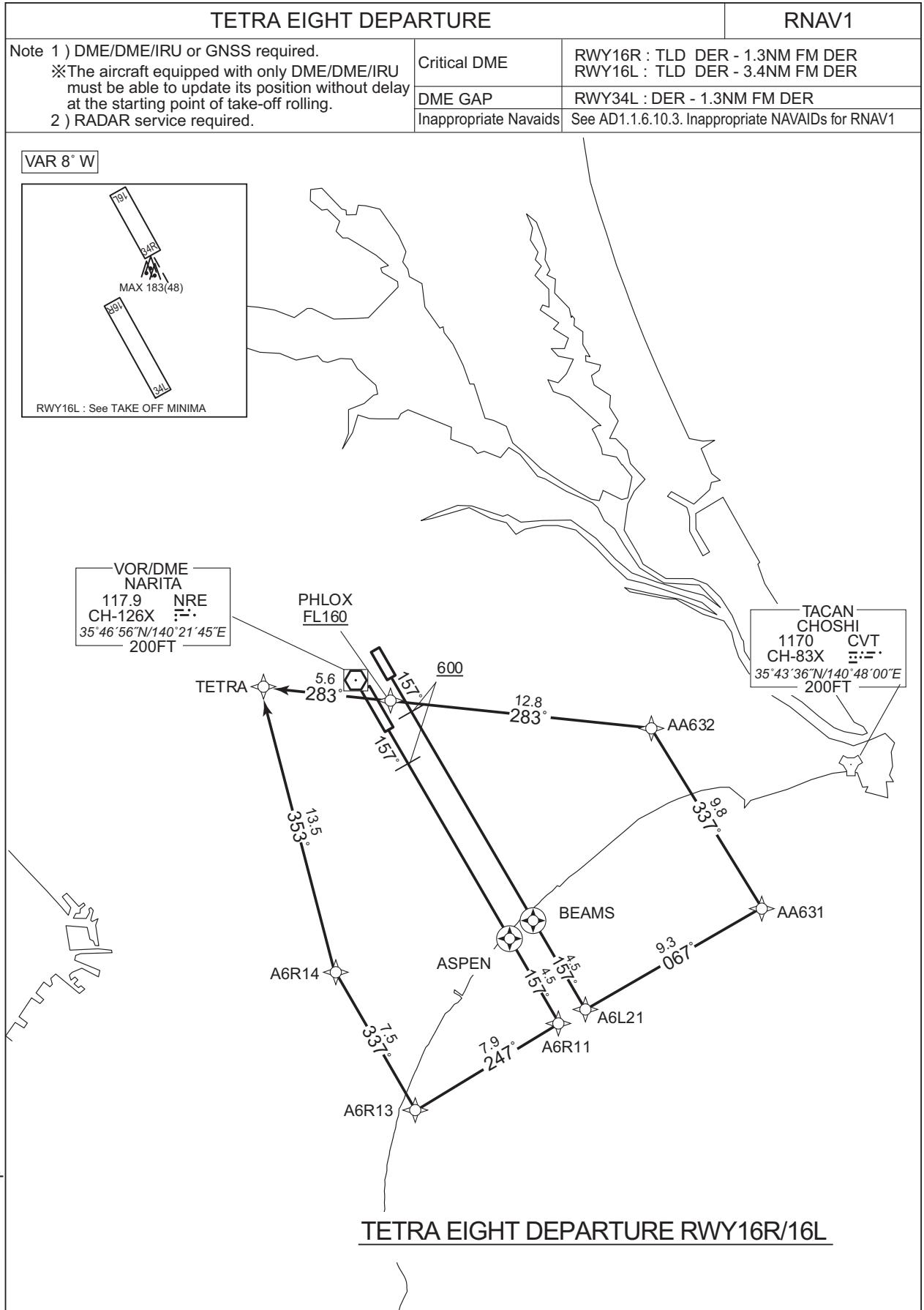
CHANGE : PROC renamed, PROC FM RWY 16L/34R abolished. HOKUSO VOR/DME(HKE) abolished.



STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID



## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

VAR 8° W

TETRA EIGHT DEPARTURE RWY34L/34R

CHANGE : Description of VAR.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

TETRA EIGHT DEPARTURE

RWY16R : Climb on HDG157° at or above 600FT, direct to ASPEN, to A6R11, to A6R13, to A6R14, to TETRA.

RWY16L : Climb on HDG157° at or above 600FT, direct to BEAMS, to A6L21, to AA631, to AA632, to PHLOX at or above FL160, to TETRA.

RWY34L : Climb on HDG337° at or above 600FT, direct to ARIES at or above 4000FT, to A4L11, to A4L12 at or below 7000FT, to A4L13, to A4L14, to ROONY at or above 13000FT, to ASTON, to TETRA.

RWY34R : Climb on HDG337° at or above 600FT, direct to BOXER, to A4R21, to A4R22, to A4R23, to PEGAS, to ASTON, to TETRA.

## RWY16R

\*MUST be used for database coding.

| 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               | —                   | —        | 157<br>(149.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | ASPEN               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A6R11               | —        | 157<br>(149.7) | -7.5               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | A6R13               | —        | 247<br>(239.5) | -7.5               | 7.9           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | A6R14               | —        | 337<br>(329.6) | -7.5               | 7.5           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | TETRA               | —        | 353<br>(345.1) | -7.5               | 13.5          | —              | —             | —            | —              | RNAV1                    |

## RWY16L

\*MUST be used for database coding.

| 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               | —                   | —        | 157<br>(149.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | BEAMS               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A6L21               | —        | 157<br>(149.7) | -7.5               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | AA631               | —        | 067<br>(059.5) | -7.5               | 9.3           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | AA632               | —        | 337<br>(329.8) | -7.5               | 9.8           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | PHLOX               | —        | 283<br>(275.3) | -7.5               | 12.8          | —              | +FL160        | —            | —              | RNAV1                    |
| 007           | TF               | TETRA               | —        | 283<br>(275.1) | -7.5               | 5.6           | —              | —             | —            | —              | RNAV1                    |

CHANGE : ALT1 Restriction on A4R23, PROC renamed.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

## RWY34L

\*MUST be used for database coding.

| 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               | -                   | -        | 337<br>(329.6) | -7.5               | -             | -              | +600          | -            | -              | RNAV1                    |
| 002           | DF               | ARIES               | Y        | -              | -7.5               | -             | -              | +4000         | -            | -              | RNAV1                    |
| 003           | TF               | A4L11               | -        | 337<br>(329.5) | -7.5               | 3.6           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF               | A4L12               | -        | 052<br>(044.3) | -7.5               | 4.6           | -              | -7000         | -            | -              | RNAV1                    |
| 005           | TF               | A4L13               | -        | 097<br>(089.4) | -7.5               | 7.5           | -              | -             | -            | -              | RNAV1                    |
| 006           | TF               | A4L14               | -        | 129<br>(121.2) | -7.5               | 5.8           | -              | -             | -            | -              | RNAV1                    |
| 007           | TF               | ROONY               | -        | 141<br>(133.2) | -7.5               | 9.3           | -              | +13000        | -            | -              | RNAV1                    |
| 008           | TF               | ASTON               | -        | 240<br>(232.1) | -7.5               | 15.5          | -              | -             | -            | -              | RNAV1                    |
| 009           | TF               | TETRA               | -        | 297<br>(289.5) | -7.5               | 8.1           | -              | -             | -            | -              | RNAV1                    |

## RWY34R

\*MUST be used for database coding.

| 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               | -                   | -        | 337<br>(329.6) | -7.5               | -             | -              | +600          | -            | -              | RNAV1                    |
| 002           | DF               | BOXER               | Y        | -              | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 003           | TF               | A4R21               | -        | 337<br>(329.6) | -7.5               | 3.8           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF               | A4R22               | -        | 067<br>(059.3) | -7.5               | 4.1           | -              | -             | -            | -              | RNAV1                    |
| 005           | TF               | A4R23               | -        | 112<br>(104.6) | -7.5               | 3.7           | -              | -             | -            | -              | RNAV1                    |
| 006           | TF               | PEGAS               | -        | 141<br>(133.4) | -7.5               | 7.6           | -              | -             | -            | -              | RNAV1                    |
| 007           | TF               | ASTON               | -        | 227<br>(219.2) | -7.5               | 9.9           | -              | -             | -            | -              | RNAV1                    |
| 008           | TF               | TETRA               | -        | 297<br>(289.5) | -7.5               | 8.1           | -              | -             | -            | -              | RNAV1                    |

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| A4L11               | 355915.6N / 1401249.1E | AA631               | 353619.9N / 1404431.9E |
| A4L12               | 360232.6N / 1401646.8E | AA632               | 354446.7N / 1403828.9E |
| A4L13               | 360236.7N / 1402559.7E | ARIES               | 355607.4N / 1401505.9E |
| A4L14               | 355937.8N / 1403205.0E | ASPEN               | 353451.0N / 1403028.1E |
| A4R21               | 355529.4N / 1401729.2E | ASTON               | 354344.6N / 1402518.6E |
| A4R22               | 355734.5N / 1402150.1E | BEAMS               | 353533.0N / 1403153.1E |
| A4R23               | 355638.8N / 1402614.7E | BOXER               | 355213.0N / 1401951.6E |
| A6L21               | 353137.9N / 1403441.9E | PEGAS               | 355126.3N / 1403302.1E |
| A6R11               | 353056.9N / 1403316.2E | PHLOX               | 354556.6N / 1402246.1E |
| A6R13               | 352654.9N / 1402452.6E | ROONY               | 355317.4N / 1404024.4E |
| A6R14               | 353324.7N / 1402011.9E | TETRA               | 354626.4N / 1401555.8E |

CHANGE : Update

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV TRANSITION

AGRIS TRANSITION /KIMIN TRANSITION / ENPAR TRANSITION

RNAV1

Note 1) DME/DME/IRU or GNSS required.

Critical DME

-

2) RADAR service required.

DME GAP

-

Inappropriate  
Navaids

See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1

VAR8°W



## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV TRANSITION

AGRIS TRANSITION

From TETRA at or above 12000FT, to RADIX at or above FL150, to WHARF at or above FL180, to AGRIS at or above FL200.

| 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              | TETRA               | —        | —             | -7.5               | —             | —              | +12000        | —            | —              | RNAV1                    |
| 002           | TF              | RADIX               | —        | 346 (338.1)   | -7.5               | 13.9          | —              | +FL150        | —            | —              | RNAV1                    |
| 003           | TF              | WHARF               | —        | 346 (338.1)   | -7.5               | 8.7           | —              | +FL180        | —            | —              | RNAV1                    |
| 004           | TF              | AGRIS               | —        | 346 (338.0)   | -7.5               | 19.3          | —              | +FL200        | —            | —              | RNAV1                    |

KIMIN TRANSITION

From TETRA at or above 12000FT, to RADIX at or above FL150, to WHARF at or above FL180, to KIMIN.

| 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              | TETRA               | —        | —             | -7.5               | —             | —              | +12000        | —            | —              | RNAV1                    |
| 002           | TF              | RADIX               | —        | 346 (338.1)   | -7.5               | 13.9          | —              | +FL150        | —            | —              | RNAV1                    |
| 003           | TF              | WHARF               | —        | 346 (338.1)   | -7.5               | 8.7           | —              | +FL180        | —            | —              | RNAV1                    |
| 004           | TF              | KIMIN               | —        | 012 (004.1)   | -7.5               | 24.0          | —              | —             | —            | —              | RNAV1                    |

ENPAR TRANSITION

From TETRA at or above 12000FT, to RAMBA at or above FL160, to ENPAR.

| 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              | TETRA               | —        | —             | -7.5               | —             | —              | +12000        | —            | —              | RNAV1                    |
| 002           | TF              | RAMBA               | —        | 293 (285.1)   | -7.5               | 14.0          | —              | +FL160        | —            | —              | RNAV1                    |
| 003           | TF              | ENPAR               | —        | 292 (284.9)   | -7.5               | 7.9           | —              | —             | —            | —              | RNAV1                    |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| AGRIS               | 362514.7N / 1395633.1E | RAMBA               | 355003.7N / 1395917.7E |
| ENPAR               | 355205.2N / 1394954.3E | TETRA               | 354626.4N / 1401555.8E |
| KIMIN               | 363119.5N / 1400738.2E | WHARF               | 360722.6N / 1400531.1E |
| RADIX               | 355917.2N / 1400933.2E |                     |                        |

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

| REDEK TWO DEPARTURE   |                       | RNAV1   |
|---|-----------------------|---|
| Note 1) DME/DME/IRU or GNSS required.<br>※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off rolling.<br>2) RADAR service required.  | Critical DME          | RWY16R:TLD DER – 1.3NM FM DER<br>RWY16L :TLD DER – 3.4NM FM DER |
|   | DME GAP               | RWY34L :DER – 1.3NM FM DER                                      |
|   | Inappropriate Navaids | See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1                |
| <p><b>VAR 8° W</b></p> <p>RWY16L : See TAKE OFF MINIMA</p> <p>TACAN SHIMOFUSA 980 SHT CH-19X 35°48'07"N/140°00'36"E 100FT</p>   |                       |   |
| <p>CHANGE : Description of VAR.</p> <p><b>REDEK TWO DEPARTURE RWY16R/16L</b></p> <p>TACAN SHIMOFUSA 980 SHT CH-19X 35°48'07"N/140°00'36"E 100FT</p> <p>VOR/DME NARITA 117.9 NRE CH-126X 35°46'56"N/140°21'45"E 200FT</p> <p>PAGOT FL160</p> <p>ACURE</p> <p>BEAMS</p> <p>ASPEN</p> <p>AA632</p> <p>AA631</p> <p>A6L21</p> <p>A6R12</p> <p>KUJYU 11000</p> <p>TACAN ONJUKU 1191 OJT CH-104X 35°11'03"N/140°22'17"E 400FT</p> |                       |   |

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID



## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

REDEK TWO DEPARTURE

RWY16R : Climb on HDG 157° at or above 600FT, direct to ASPEN, to A6R12, to KUJYU at or above 11000FT, to REDEK at or above FL200.

RWY16L : Climb on HDG 157° at or above 600FT, direct to BEAMS, to A6L21, to AA631, to AA632, to ACURE, to PAGOT at or above FL160, to REDEK at or above FL200.

RWY34L : Climb on HDG 337° at or above 600FT, direct to ARIES at or above 4000FT, to A4L11, to A4L12 at or below 7000FT, to A4L13, to A4L14, to ROONY at or above 13000FT, to IBURA, to GULID, to PORCO, to REDEK at or above FL200.

RWY34R : Climb on HDG 337° at or above 600FT, direct to BOXER, to A4R21, to A4R22, to A4R23, to PEGAS, to GULID, to PORCO at or above 11000FT, to REDEK at or above FL200.

## RWY16R

\*MUST be used for database coding.

| 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               | —                   | —        | 157 (149.6)   | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | ASPEN               | Y        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A6R12               | —        | 157 (149.7)   | -7.5               | 10.6          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | KUJYU               | —        | 247 (239.5)   | -7.5               | 9.2           | —              | +11000        | —            | —              | RNAV1                    |
| 005           | TF               | REDEK               | —        | 293 (285.7)   | -7.5               | 28.6          | —              | +FL200        | —            | —              | RNAV1                    |

## RWY16L

\*MUST be used for database coding.

| 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               | —                   | —        | 157 (149.6)   | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | BEAMS               | Y        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A6L21               | —        | 157 (149.7)   | -7.5               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | AA631               | —        | 067 (059.5)   | -7.5               | 9.3           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | AA632               | —        | 337 (329.8)   | -7.5               | 9.8           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | ACURE               | —        | 283 (275.3)   | -7.5               | 8.9           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF               | PAGOT               | —        | 232 (224.1)   | -7.5               | 6.9           | —              | +FL160        | —            | —              | RNAV1                    |
| 008           | TF               | REDEK               | —        | 250 (242.6)   | -7.5               | 25.8          | —              | +FL200        | —            | —              | RNAV1                    |

CHANGE : ALT Restriction on A4R23. PROC renamed.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

## RWY34L

\*MUST be used for database coding.

| 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               | —                   | —        | 337 (329.6)   | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | ARIES               | Y        | —             | -7.5               | —             | —              | +4000         | —            | —              | RNAV1                    |
| 003           | TF               | A4L11               | —        | 337 (329.5)   | -7.5               | 3.6           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | A4L12               | —        | 052 (044.3)   | -7.5               | 4.6           | —              | -7000         | —            | —              | RNAV1                    |
| 005           | TF               | A4L13               | —        | 097 (089.4)   | -7.5               | 7.5           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | A4L14               | —        | 129 (121.2)   | -7.5               | 5.8           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF               | ROONY               | —        | 141 (133.2)   | -7.5               | 9.3           | —              | +13000        | —            | —              | RNAV1                    |
| 008           | TF               | IBURA               | —        | 198 (190.0)   | -7.5               | 11.3          | —              | —             | —            | —              | RNAV1                    |
| 009           | TF               | GULID               | —        | 257 (249.8)   | -7.5               | 8.2           | —              | —             | —            | —              | RNAV1                    |
| 010           | TF               | PORCO               | —        | 257 (249.7)   | -7.5               | 8.5           | —              | —             | —            | —              | RNAV1                    |
| 011           | TF               | REDEK               | —        | 257 (249.6)   | -7.5               | 21.9          | —              | +FL200        | —            | —              | RNAV1                    |

## RWY34R

\*MUST be used for database coding.

| 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               | —                   | —        | 337 (329.6)   | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | BOXER               | Y        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A4R21               | —        | 337 (329.6)   | -7.5               | 3.8           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | A4R22               | —        | 067 (059.3)   | -7.5               | 4.1           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | A4R23               | —        | 112 (104.6)   | -7.5               | 3.7           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | PEGAS               | —        | 141 (133.4)   | -7.5               | 7.6           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF               | GULID               | —        | 204 (196.9)   | -7.5               | 12.6          | —              | —             | —            | —              | RNAV1                    |
| 008           | TF               | PORCO               | —        | 257 (249.7)   | -7.5               | 8.5           | —              | +11000        | —            | —              | RNAV1                    |
| 009           | TF               | REDEK               | —        | 257 (249.6)   | -7.5               | 21.9          | —              | +FL200        | —            | —              | RNAV1                    |

CHANGE : ALT Restriction on A4R23.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

Waypoint Coordinates

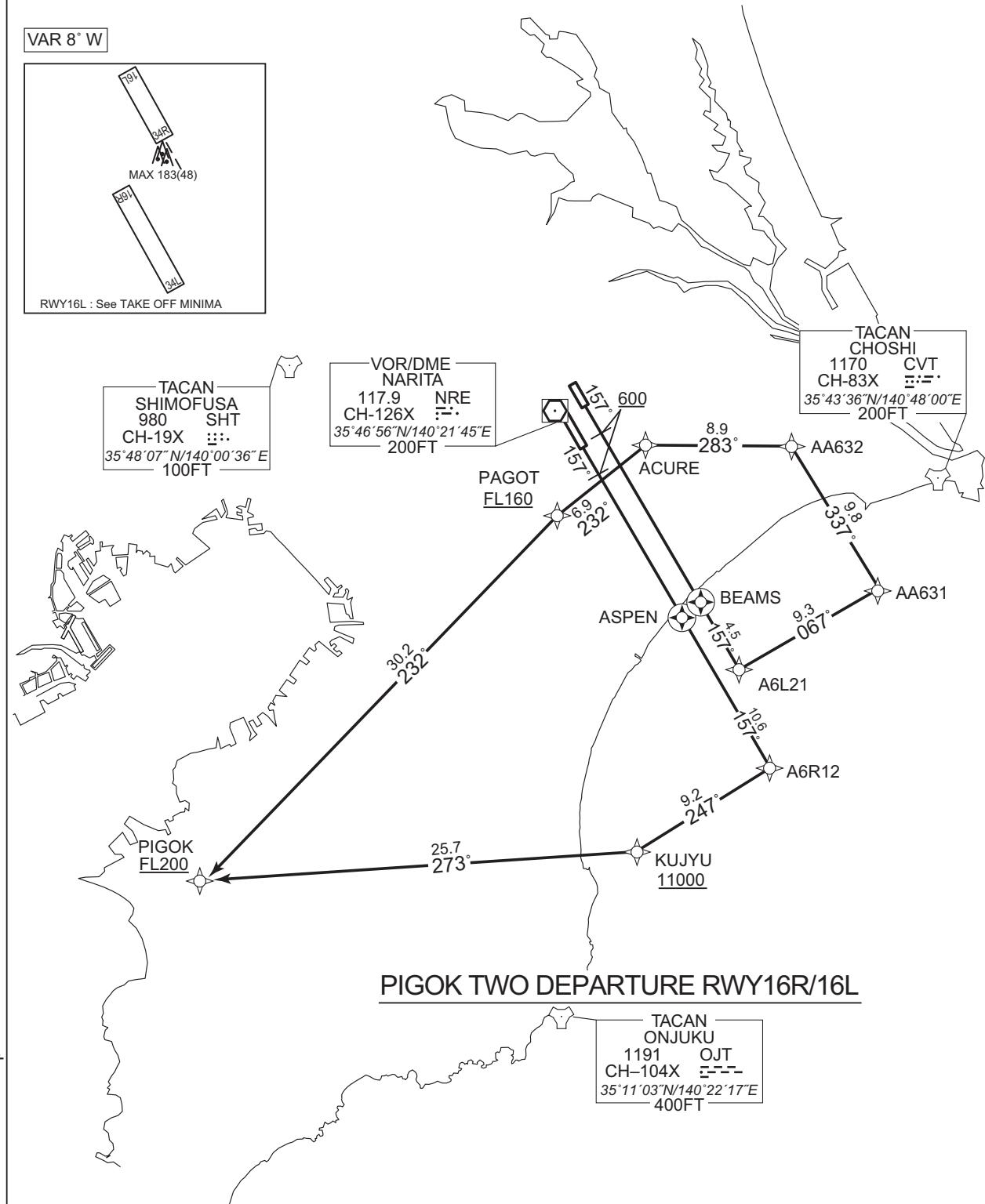
| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| A4L11               | 355915.6N / 1401249.1E | ARIES               | 355607.4N / 1401505.9E |
| A4L12               | 360232.6N / 1401646.8E | ASPEN               | 353451.0N / 1403028.1E |
| A4L13               | 360236.7N / 1402559.7E | BEAMS               | 353533.0N / 1403153.1E |
| A4L14               | 355937.8N / 1403205.0E | BOXER               | 355213.0N / 1401951.6E |
| A4R21               | 355529.4N / 1401729.2E | GULID               | 353921.3N / 1402830.3E |
| A4R22               | 355734.5N / 1402150.1E | IBURA               | 354212.1N / 1403759.5E |
| A4R23               | 355638.8N / 1402614.7E | KUJYU               | 352104.0N / 1402719.8E |
| A6L21               | 353137.9N / 1403441.9E | PAGOT               | 354039.6N / 1402139.4E |
| A6R12               | 352543.5N / 1403700.7E | PORCO               | 353624.3N / 1401843.5E |
| AA631               | 353619.9N / 1404431.9E | PEGAS               | 355126.3N / 1403302.1E |
| AA632               | 354446.7N / 1403828.9E | REDEK               | 352844.1N / 1395333.8E |
| ACURE               | 354535.6N / 1402732.3E | ROONY               | 355317.4N / 1404024.4E |

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

| PIGOK TWO DEPARTURE  |                       | RNAV1  |
|--|-----------------------|--|
| Note 1) DME/DME/IRU or GNSS required.<br>※The aircraft equipped with only DME/DME/IRU<br>must be able to update its position without delay<br>at the starting point of take-off rolling.<br>2) RADAR service required. | Critical DME          | RWY16R:TLD DER – 1.3NM FM DER<br>RWY16L:TLD DER – 3.4NM FM DER |
|  | DME GAP               | RWY34L :DER – 1.3NM FM DER                                     |
|  | Inappropriate Navaids | See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1               |



## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID



## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

PIGOK TWO DEPARTURE

RWY16R : Climb on HDG 157° at or above 600FT, direct to ASPEN, to A6R12, to KUJYU at or above 11000FT, to PIGOK at or above FL200.

RWY16L : Climb on HDG 157° at or above 600FT, direct to BEAMS, to A6L21, to AA631, to AA632, to ACURE, to PAGOT at or above FL160, to PIGOK at or above FL200.

RWY34L : Climb on HDG 337° at or above 600FT, direct to ARIES at or above 4000FT, to A4L11, to A4L12 at or below 7000FT, to A4L13, to A4L14, to ROONY at or above 13000FT, to IBURA, to ADRIA, to ROSSO, to PIGOK at or above FL200.

RWY34R : Climb on HDG 337° at or above 600FT, direct to BOXER, to A4R21, to A4R22, to A4R23, to PEGAS, to GULID, to ROSSO at or above 11000FT, to PIGOK at or above FL200.

## RWY16R

\*MUST be used for database coding.

| 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               | —                   | —        | 157<br>(149.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | ASPEN               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A6R12               | —        | 157<br>(149.7) | -7.5               | 10.6          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | KUJYU               | —        | 247<br>(239.5) | -7.5               | 9.2           | —              | +11000        | —            | —              | RNAV1                    |
| 005           | TF               | PIGOK               | —        | 273<br>(265.3) | -7.5               | 25.7          | —              | +FL200        | —            | —              | RNAV1                    |

## RWY16L

\*MUST be used for database coding.

| 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               | —                   | —        | 157<br>(149.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | BEAMS               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A6L21               | —        | 157<br>(149.7) | -7.5               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | AA631               | —        | 067<br>(059.5) | -7.5               | 9.3           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | AA632               | —        | 337<br>(329.8) | -7.5               | 9.8           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | ACURE               | —        | 283<br>(275.3) | -7.5               | 8.9           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF               | PAGOT               | —        | 232<br>(224.1) | -7.5               | 6.9           | —              | +FL160        | —            | —              | RNAV1                    |
| 008           | TF               | PIGOK               | —        | 232<br>(224.0) | -7.5               | 30.2          | —              | +FL200        | —            | —              | RNAV1                    |

CHANGE : ALT Restriction on A4R23. PROC renamed.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

## RWY34L

\*MUST be used for database coding.

| 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               | —                   | —        | 337<br>(329.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | ARIES               | Y        | —              | -7.5               | —             | —              | +4000         | —            | —              | RNAV1                    |
| 003           | TF               | A4L11               | —        | 337<br>(329.5) | -7.5               | 3.6           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | A4L12               | —        | 052<br>(044.3) | -7.5               | 4.6           | —              | -7000         | —            | —              | RNAV1                    |
| 005           | TF               | A4L13               | —        | 097<br>(089.4) | -7.5               | 7.5           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | A4L14               | —        | 129<br>(121.2) | -7.5               | 5.8           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF               | ROONY               | —        | 141<br>(133.2) | -7.5               | 9.3           | —              | +13000        | —            | —              | RNAV1                    |
| 008           | TF               | IBURA               | —        | 198<br>(190.0) | -7.5               | 11.3          | —              | —             | —            | —              | RNAV1                    |
| 009           | TF               | ADRIA               | —        | 197<br>(189.9) | -7.5               | 11.4          | —              | —             | —            | —              | RNAV1                    |
| 010           | TF               | ROSSO               | —        | 257<br>(249.8) | -7.5               | 10.0          | —              | —             | —            | —              | RNAV1                    |
| 011           | TF               | PIGOK               | —        | 257<br>(249.6) | -7.5               | 24.5          | —              | +FL200        | —            | —              | RNAV1                    |

## RWY34R

\*MUST be used for database coding.

| 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               | —                   | —        | 337<br>(329.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | BOXER               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A4R21               | —        | 337<br>(329.6) | -7.5               | 3.8           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | A4R22               | —        | 067<br>(059.3) | -7.5               | 4.1           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | A4R23               | —        | 112<br>(104.6) | -7.5               | 3.7           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | PEGAS               | —        | 141<br>(133.4) | -7.5               | 7.6           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF               | GULID               | —        | 204<br>(196.9) | -7.5               | 12.6          | —              | —             | —            | —              | RNAV1                    |
| 008           | TF               | ROSSO               | —        | 204<br>(196.9) | -7.5               | 12.4          | —              | +11000        | —            | —              | RNAV1                    |
| 009           | TF               | PIGOK               | —        | 257<br>(249.6) | -7.5               | 24.5          | —              | +FL200        | —            | —              | RNAV1                    |

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| A4L11               | 355915.6N / 1401249.1E | ARIES               | 355607.4N / 1401505.9E |
| A4L12               | 360232.6N / 1401646.8E | ASPEN               | 353451.0N / 1403028.1E |
| A4L13               | 360236.7N / 1402559.7E | BEAMS               | 353533.0N / 1403153.1E |
| A4L14               | 355937.8N / 1403205.0E | BOXER               | 355213.0N / 1401951.6E |
| A4R21               | 355529.4N / 1401729.2E | GULID               | 353921.3N / 1402830.3E |
| A4R22               | 355734.5N / 1402150.1E | IBURA               | 354212.1N / 1403759.5E |
| A4R23               | 355638.8N / 1402614.7E | KUJYU               | 352104.0N / 1402719.8E |
| A6L21               | 353137.9N / 1403441.9E | PAGOT               | 354039.6N / 1402139.4E |
| A6R12               | 352543.5N / 1403700.7E | PEGAS               | 355126.3N / 1403302.1E |
| AA631               | 353619.9N / 1404431.9E | PIGOK               | 351854.3N / 1395555.6E |
| AA632               | 354446.7N / 1403828.9E | ROONY               | 355317.4N / 1404024.4E |
| ACURE               | 354535.6N / 1402732.3E | ROSSO               | 352729.0N / 1402404.4E |
| ADRIA               | 353056.8N / 1403534.3E |                     |                        |

CHANGE : New PROC

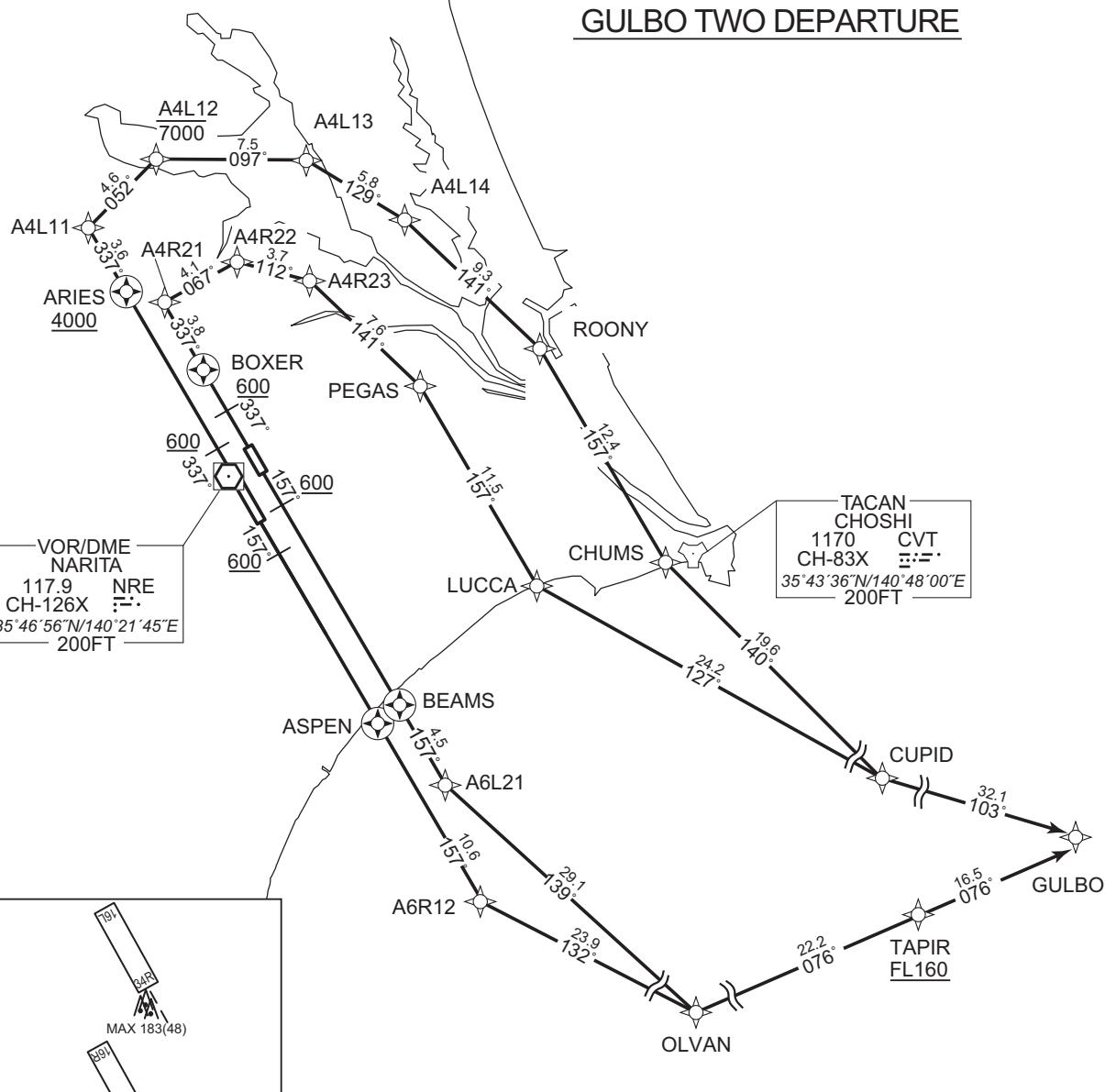
## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

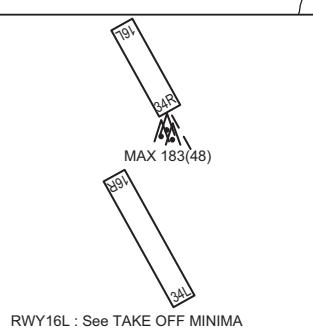
RNAV SID

| GULBO TWO DEPARTURE  |                       | RNAV1  |
|--|-----------------------|--|
| Note 1) DME/DME/IRU or GNSS required.<br>※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off rolling.<br>2) RADAR service required. | Critical DME          | RWY16R:TLD DER – 1.3NM FM DER<br>RWY16L:TLD DER – 3.4NM FM DER |
|  | DME GAP               | RWY34L :DER – 1.3NM FM DER                                     |
|  | Inappropriate Navaids | See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1               |

VAR 8° W

GULBO TWO DEPARTURE

CHANGE : Description of VAR.



## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

GULBO TWO DEPARTURE

RWY16R : Climb on HDG 157° at or above 600FT, direct to ASPEN, to A6R12, to OLVAN, to TAPIR at or above FL160, to GULBO.

RWY16L : Climb on HDG 157° at or above 600FT, direct to BEAMS, to A6L21, to OLVAN, to TAPIR at or above FL160, to GULBO.

RWY34L : Climb on HDG 337° at or above 600FT, direct to ARIES at or above 4000FT, to A4L11, to A4L12 at or below 7000FT, to A4L13, to A4L14, to ROONY, to CHUMS, to CUPID, to GULBO.

RWY34R : Climb on HDG 337° at or above 600FT, direct to BOXER, to A4R21, to A4R22, to A4R23, to PEGAS, to LUCCA, to CUPID, to GULBO.

## RWY16R

\*MUST be used for database coding.

| 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               | —                   | —        | 157<br>(149.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | ASPEN               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A6R12               | —        | 157<br>(149.7) | -7.5               | 10.6          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | OLVAN               | —        | 132<br>(124.2) | -7.5               | 23.9          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | TAPIR               | —        | 076<br>(068.0) | -7.5               | 22.2          | —              | +FL160        | —            | —              | RNAV1                    |
| 006           | TF               | GULBO               | —        | 076<br>(068.3) | -7.5               | 16.5          | —              | —             | —            | —              | RNAV1                    |

## RWY16L

\*MUST be used for database coding.

| 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               | —                   | —        | 157<br>(149.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | BEAMS               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A6L21               | —        | 157<br>(149.7) | -7.5               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | OLVAN               | —        | 139<br>(131.8) | -7.5               | 29.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | TAPIR               | —        | 076<br>(068.0) | -7.5               | 22.2          | —              | +FL160        | —            | —              | RNAV1                    |
| 006           | TF               | GULBO               | —        | 076<br>(068.3) | -7.5               | 16.5          | —              | —             | —            | —              | RNAV1                    |

CHANGE : ALT Restriction on A4R23. PROC renamed.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

## RWY34L

\*MUST be used for database coding.

| 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               | —                   | —        | 337 (329.6)   | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | ARIES               | Y        | —             | -7.5               | —             | —              | +4000         | —            | —              | RNAV1                    |
| 003           | TF               | A4L11               | —        | 337 (329.5)   | -7.5               | 3.6           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | A4L12               | —        | 052 (044.3)   | -7.5               | 4.6           | —              | -7000         | —            | —              | RNAV1                    |
| 005           | TF               | A4L13               | —        | 097 (089.4)   | -7.5               | 7.5           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | A4L14               | —        | 129 (121.2)   | -7.5               | 5.8           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF               | ROONY               | —        | 141 (133.2)   | -7.5               | 9.3           | —              | —             | —            | —              | RNAV1                    |
| 008           | TF               | CHUMS               | —        | 157 (149.7)   | -7.5               | 12.4          | —              | —             | —            | —              | RNAV1                    |
| 009           | TF               | CUPID               | —        | 140 (132.0)   | -7.5               | 19.6          | —              | —             | —            | —              | RNAV1                    |
| 010           | TF               | GULBO               | —        | 103 (095.1)   | -7.5               | 32.1          | —              | —             | —            | —              | RNAV1                    |

## RWY34R

\*MUST be used for database coding.

| 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               | —                   | —        | 337 (329.6)   | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | BOXER               | Y        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A4R21               | —        | 337 (329.6)   | -7.5               | 3.8           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | A4R22               | —        | 067 (059.3)   | -7.5               | 4.1           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | A4R23               | —        | 112 (104.6)   | -7.5               | 3.7           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | PEGAS               | —        | 141 (133.4)   | -7.5               | 7.6           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF               | LUCCA               | —        | 157 (149.6)   | -7.5               | 11.5          | —              | —             | —            | —              | RNAV1                    |
| 008           | TF               | CUPID               | —        | 127 (119.8)   | -7.5               | 24.2          | —              | —             | —            | —              | RNAV1                    |
| 009           | TF               | GULBO               | —        | 103 (095.1)   | -7.5               | 32.1          | —              | —             | —            | —              | RNAV1                    |

CHANGE : ALT Restriction on A4R23.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| A4L11               | 355915.6N / 1401249.1E | BEAMS               | 353533.0N / 1403153.1E |
| A4L12               | 360232.6N / 1401646.8E | BOXER               | 355213.0N / 1401951.6E |
| A4L13               | 360236.7N / 1402559.7E | CHUMS               | 354237.0N / 1404806.0E |
| A4L14               | 355937.8N / 1403205.0E | CUPID               | 352930.3N / 1410557.3E |
| A4R21               | 355529.4N / 1401729.2E | GULBO               | 352632.9N / 1414509.6E |
| A4R22               | 355734.5N / 1402150.1E | LUCCA               | 354132.8N / 1404011.4E |
| A4R23               | 355638.8N / 1402614.7E | OLVAN               | 351214.1N / 1410111.3E |
| A6L21               | 353137.9N / 1403441.9E | PEGAS               | 355126.3N / 1403302.1E |
| A6R12               | 352543.5N / 1403700.7E | ROONY               | 355317.4N / 1404024.4E |
| ARIES               | 355607.4N / 1401505.9E | TAPIR               | 352028.5N / 1412621.9E |
| ASPEN               | 353451.0N / 1403028.1E |                     |                        |

CHANGE : New PROC

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

| BORLO TWO DEPARTURE  |                       | RNAV1  |
|--|-----------------------|--|
| Note 1) DME/DME/IRU or GNSS required.<br>※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off rolling.<br>2) RADAR service required. | Critical DME          | RWY16R:TLD DER – 1.3NM FM DER<br>RWY16L:TLD DER – 3.4NM FM DER |
|  | DME GAP               | RWY34L :DER – 1.3NM FM DER                                     |
|  | Inappropriate Navaids | See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1               |

VAR 8° W

## BORLO TWO DEPARTURE



CHANGE : Description of VAR.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

BORLO TWO DEPARTURE

RWY16R : Climb on HDG 157° at or above 600FT, direct to ASPEN, to A6R12, to OLVAN, to GRAYL at or above FL160, to BORLO.

RWY16L : Climb on HDG 157° at or above 600FT, direct to BEAMS, to A6L21, to OLVAN, to GRAYL at or above FL160, to BORLO.

RWY34L : Climb on HDG 337° at or above 600FT, direct to ARIES at or above 4000FT, to A4L11, to A4L12 at or below 7000FT, to A4L13, to A4L14, to ROONY, to CHUMS, to CUPID, to BORLO.

RWY34R : Climb on HDG 337° at or above 600FT, direct to BOXER, to A4R21, to A4R22, to A4R23, to PEGAS, to LUCCA, to CUPID, to BORLO.

## RWY16R

\*MUST be used for database coding.

| 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               | —                   | —        | 157<br>(149.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | ASPEN               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A6R12               | —        | 157<br>(149.7) | -7.5               | 10.6          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | OLVAN               | —        | 132<br>(124.2) | -7.5               | 23.9          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | GRAYL               | —        | 090<br>(082.9) | -7.5               | 23.4          | —              | +FL160        | —            | —              | RNAV1                    |
| 006           | TF               | BORLO               | —        | 091<br>(083.2) | -7.5               | 12.6          | —              | —             | —            | —              | RNAV1                    |

## RWY16L

\*MUST be used for database coding.

| 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               | —                   | —        | 157<br>(149.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | BEAMS               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A6L21               | —        | 157<br>(149.7) | -7.5               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | OLVAN               | —        | 139<br>(131.8) | -7.5               | 29.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | GRAYL               | —        | 090<br>(082.9) | -7.5               | 23.4          | —              | +FL160        | —            | —              | RNAV1                    |
| 006           | TF               | BORLO               | —        | 091<br>(083.2) | -7.5               | 12.6          | —              | —             | —            | —              | RNAV1                    |

CHANGE : ALT Restriction on A4R23. PROC renamed.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

## RWY34L

\*MUST be used for database coding.

| 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               | —                   | —        | 337<br>(329.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | ARIES               | Y        | —              | -7.5               | —             | —              | +4000         | —            | —              | RNAV1                    |
| 003           | TF               | A4L11               | —        | 337<br>(329.5) | -7.5               | 3.6           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | A4L12               | —        | 052<br>(044.3) | -7.5               | 4.6           | —              | -7000         | —            | —              | RNAV1                    |
| 005           | TF               | A4L13               | —        | 097<br>(089.4) | -7.5               | 7.5           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | A4L14               | —        | 129<br>(121.2) | -7.5               | 5.8           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF               | ROONY               | —        | 141<br>(133.2) | -7.5               | 9.3           | —              | —             | —            | —              | RNAV1                    |
| 008           | TF               | CHUMS               | —        | 157<br>(149.7) | -7.5               | 12.4          | —              | —             | —            | —              | RNAV1                    |
| 009           | TF               | CUPID               | —        | 140<br>(132.0) | -7.5               | 19.6          | —              | —             | —            | —              | RNAV1                    |
| 010           | TF               | BORLO               | —        | 119<br>(111.9) | -7.5               | 34.4          | —              | —             | —            | —              | RNAV1                    |

## RWY34R

\*MUST be used for database coding.

| 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               | —                   | —        | 337<br>(329.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | BOXER               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A4R21               | —        | 337<br>(329.6) | -7.5               | 3.8           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | A4R22               | —        | 067<br>(059.3) | -7.5               | 4.1           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | A4R23               | —        | 112<br>(104.6) | -7.5               | 3.7           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | PEGAS               | —        | 141<br>(133.4) | -7.5               | 7.6           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF               | LUCCA               | —        | 157<br>(149.6) | -7.5               | 11.5          | —              | —             | —            | —              | RNAV1                    |
| 008           | TF               | CUPID               | —        | 127<br>(119.8) | -7.5               | 24.2          | —              | —             | —            | —              | RNAV1                    |
| 009           | TF               | BORLO               | —        | 119<br>(111.9) | -7.5               | 34.4          | —              | —             | —            | —              | RNAV1                    |

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| A4L11               | 355915.6N / 1401249.1E | BEAMS               | 353533.0N / 1403153.1E |
| A4L12               | 360232.6N / 1401646.8E | BORLO               | 351633.8N / 1414455.6E |
| A4L13               | 360236.7N / 1402559.7E | BOXER               | 355213.0N / 1401951.6E |
| A4L14               | 355937.8N / 1403205.0E | CHUMS               | 354237.0N / 1404806.0E |
| A4R21               | 355529.4N / 1401729.2E | CUPID               | 352930.3N / 1410557.3E |
| A4R22               | 355734.5N / 1402150.1E | GRAYL               | 351504.8N / 1412938.0E |
| A4R23               | 355638.8N / 1402614.7E | LUCCA               | 354132.8N / 1404011.4E |
| A6L21               | 353137.9N / 1403441.9E | OLVAN               | 351214.1N / 1410111.3E |
| A6R12               | 352543.5N / 1403700.7E | PEGAS               | 355126.3N / 1403302.1E |
| ARIES               | 355607.4N / 1401505.9E | ROONY               | 355317.4N / 1404024.4E |
| ASPEN               | 353451.0N / 1403028.1E |                     |                        |

CHANGE : New PROC

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID



## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

PEDLA ONE DEPARTURE

RWY16R : Climb on HDG 157° at or above 600FT, direct to ASPEN, to A6R11, to DAITO, to PEDLA.

RWY16L : Climb on HDG 157° at or above 600FT, direct to BEAMS, to A6L21, to DAITO, to PEDLA.

RWY34L : Climb on HDG 337° at or above 600FT, direct to ASTRA, turn left direct to AA433, to DAITO, to PEDLA.

RWY34R : Climb on HDG 337° at or above 600FT, direct to BOXER, turn left direct to AA433, to DAITO, to PEDLA.

## RWY16R

| 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              | —                   | —        | 157<br>(149.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF              | ASPEN               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | A6R11               | —        | 157<br>(149.7) | -7.5               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | DAITO               | —        | 201<br>(193.3) | -7.5               | 9.3           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | PEDLA               | —        | 161<br>(153.9) | -7.5               | 44.3          | —              | —             | —            | —              | RNAV1                    |

## RWY16L

| 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              | —                   | —        | 157<br>(149.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF              | BEAMS               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | A6L21               | —        | 157<br>(149.7) | -7.5               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | DAITO               | —        | 206<br>(198.7) | -7.5               | 10.3          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | PEDLA               | —        | 161<br>(153.9) | -7.5               | 44.3          | —              | —             | —            | —              | RNAV1                    |

CHANGE : New PROC

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

## RWY34L

| 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              | —                   | —        | 337 (329.6)   | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF              | ASTRA               | Y        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | AA433               | —        | —             | -7.5               | —             | L              | —             | —            | —              | RNAV1                    |
| 004           | TF              | DAITO               | —        | 161 (153.9)   | -7.5               | 25.3          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | PEDLA               | —        | 161 (153.9)   | -7.5               | 44.3          | —              | —             | —            | —              | RNAV1                    |

## RWY34R

| 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              | —                   | —        | 337 (329.6)   | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF              | BOXER               | Y        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | AA433               | —        | —             | -7.5               | —             | L              | —             | —            | —              | RNAV1                    |
| 004           | TF              | DAITO               | —        | 161 (153.9)   | -7.5               | 25.3          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | PEDLA               | —        | 161 (153.9)   | -7.5               | 44.3          | —              | —             | —            | —              | RNAV1                    |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| AA433               | 354438.5N / 1401700.8E | BEAMS               | 353533.0N / 1403153.1E |
| A6L21               | 353137.9N / 1403441.9E | BOXER               | 355213.0N / 1401951.6E |
| A6R11               | 353056.9N / 1403316.2E | DAITO               | 352153.6N / 1403039.0E |
| ASPEN               | 353451.0N / 1403028.1E | PEDLA               | 344203.7N / 1405420.5E |
| ASTRA               | 355207.1N / 1401800.2E |                     |                        |

CHANGE : New PROC

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID



## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

OLVAN TWO DEPARTURE

RWY16R : Climb on HDG 157° at or above 600FT, direct to ASPEN, to A6R12, to OLVAN.

RWY16L : Climb on HDG 157° at or above 600FT, direct to BEAMS, to A6L21, to OLVAN.

RWY34L : Climb on HDG 337° at or above 600FT, direct to ARIES at or above 4000FT, to A4L11, to A4L12 at or below 7000FT, to A4L13, to A4L14, to ROONY, to CHUMS, to OLVAN.

RWY34R : Climb on HDG 337° at or above 600FT, direct to BOXER, to A4R21, to A4R22, to A4R23, to PEGAS, to LUCCA, to OLVAN.

## RWY16R

\*MUST be used for database coding.

| 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               | —                   | —        | 157<br>(149.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | ASPEN               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A6R12               | —        | 157<br>(149.7) | -7.5               | 10.6          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | OLVAN               | —        | 132<br>(124.2) | -7.5               | 23.9          | —              | —             | —            | —              | RNAV1                    |

## RWY16L

\*MUST be used for database coding.

| 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               | —                   | —        | 157<br>(149.6) | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | BEAMS               | Y        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A6L21               | —        | 157<br>(149.7) | -7.5               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | OLVAN               | —        | 139<br>(131.8) | -7.5               | 29.1          | —              | —             | —            | —              | RNAV1                    |

CHANGE : ALT Restriction on A4R23. PROC renamed.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

RWY34L

\*MUST be used for database coding.

| 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               | —                   | —        | 337 (329.6)   | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | ARIES               | Y        | —             | -7.5               | —             | —              | +4000         | —            | —              | RNAV1                    |
| 003           | TF               | A4L11               | —        | 337 (329.5)   | -7.5               | 3.6           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | A4L12               | —        | 052 (044.3)   | -7.5               | 4.6           | —              | -7000         | —            | —              | RNAV1                    |
| 005           | TF               | A4L13               | —        | 097 (089.4)   | -7.5               | 7.5           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | A4L14               | —        | 129 (121.2)   | -7.5               | 5.8           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF               | ROONY               | —        | 141 (133.2)   | -7.5               | 9.3           | —              | —             | —            | —              | RNAV1                    |
| 008           | TF               | CHUMS               | —        | 157 (149.7)   | -7.5               | 12.4          | —              | —             | —            | —              | RNAV1                    |
| 009           | TF               | OLVAN               | —        | 168 (160.6)   | -7.5               | 32.2          | —              | —             | —            | —              | RNAV1                    |

RWY34R

\*MUST be used for database coding.

| 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               | —                   | —        | 337 (329.6)   | -7.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF               | BOXER               | Y        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF               | A4R21               | —        | 337 (329.6)   | -7.5               | 3.8           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF               | A4R22               | —        | 067 (059.3)   | -7.5               | 4.1           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF               | A4R23               | —        | 112 (104.6)   | -7.5               | 3.7           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF               | PEGAS               | —        | 141 (133.4)   | -7.5               | 7.6           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF               | LUCCA               | —        | 157 (149.6)   | -7.5               | 11.5          | —              | —             | —            | —              | RNAV1                    |
| 008           | TF               | OLVAN               | —        | 157 (149.6)   | -7.5               | 34.0          | —              | —             | —            | —              | RNAV1                    |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| A4L11               | 355915.6N / 1401249.1E | ARIES               | 355607.4N / 1401505.9E |
| A4L12               | 360232.6N / 1401646.8E | ASPEN               | 353451.0N / 1403028.1E |
| A4L13               | 360236.7N / 1402559.7E | BEAMS               | 353533.0N / 1403153.1E |
| A4L14               | 355937.8N / 1403205.0E | BOXER               | 355213.0N / 1401951.6E |
| A4R21               | 355529.4N / 1401729.2E | CHUMS               | 354237.0N / 1404806.0E |
| A4R22               | 355734.5N / 1402150.1E | LUCCA               | 354132.8N / 1404011.4E |
| A4R23               | 355638.8N / 1402614.7E | OLVAN               | 351214.1N / 1410111.3E |
| A6L21               | 353137.9N / 1403441.9E | PEGAS               | 355126.3N / 1403302.1E |
| A6R12               | 352543.5N / 1403700.7E | ROONY               | 355317.4N / 1404024.4E |

CHANGE : ALT Restriction on A4R23

## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV TRANSITION

| SAMUS TRANSITION  |                       | RNAV1  |
|---|-----------------------|--|
| Note 1) DME/DME/IRU or GNSS required.<br><br>2) RADAR service required. | Critical DME          | -  |
|   | DME GAP               | -  |
|   | Inappropriate Navaids | See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1 |



## STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV TRANSITION

SAMUS TRANSITION

From OLVAN, to PABLO, to NORIS, to HANAR at or above FL160,  
to SAMUS.

| 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              | OLVAN               | —        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | PABLO               | —        | 184<br>(176.3) | -7.5               | 25.2          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | NORIS               | —        | 184<br>(176.3) | -7.5               | 12.7          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | HANAR               | —        | 232<br>(224.0) | -7.5               | 17.5          | —              | +FL160        | —            | —              | RNAV1                    |
| 005           | TF              | SAMUS               | —        | 231<br>(223.8) | -7.5               | 43.6          | —              | —             | —            | —              | RNAV1                    |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| HANAR               | 342149.9N / 1404923.3E | PABLO               | 344705.1N / 1410309.6E |
| NORIS               | 343426.6N / 1410408.5E | SAMUS               | 335020.0N / 1401305.0E |
| OLVAN               | 351214.1N / 1410111.3E |                     |                        |

CHANGE : New PROC

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STANDARD ARRIVAL CHART -INSTRUMENT

RJAA / NARITA INTL

STAR

BOSPA SOUTH ALFA ARRIVAL

From over BOSPA, via NRE R095 to SIMAK, via NRE 21.0DME clockwise ARC to intercept and proceed via NRE R157 to GIINA.

Cross BOSPA at or above 8000FT, cross GIINA at 4000FT.

BOSPA SOUTH BRAVO ARRIVAL

From over BOSPA, via NRE R095 to SIMAK, via NRE 21.0DME clockwise ARC to intercept and proceed via NRE R153 to TEMIS.

Cross BOSPA at or above 8000FT, cross TEMIS at or above 5000FT.

BINKS SOUTH ALFA ARRIVAL

From over BINKS, via HDG007° to intercept and proceed via NRE R157 to GIINA.

Cross GIINA at 4000FT.

BINKS SOUTH BRAVO ARRIVAL

From over BINKS, via HDG007° to intercept and proceed via NRE R153 to TEMIS.

Cross TEMIS at or above 5000FT.

SWAMP SOUTH ALFA ARRIVAL

From over SWAMP, via NRE R022 to DANTE, via NRE 21.0DME clockwise ARC to intercept and proceed via NRE R157 to GIINA via SIMAK.

Cross DANTE at or above 11000FT, cross SIMAK at or above 9000FT, cross GIINA at 4000FT.

SWAMP SOUTH BRAVO ARRIVAL

From over SWAMP, via NRE R022 to DANTE, via NRE 21.0DME clockwise ARC to intercept and proceed via NRE R153 to TEMIS via SIMAK.

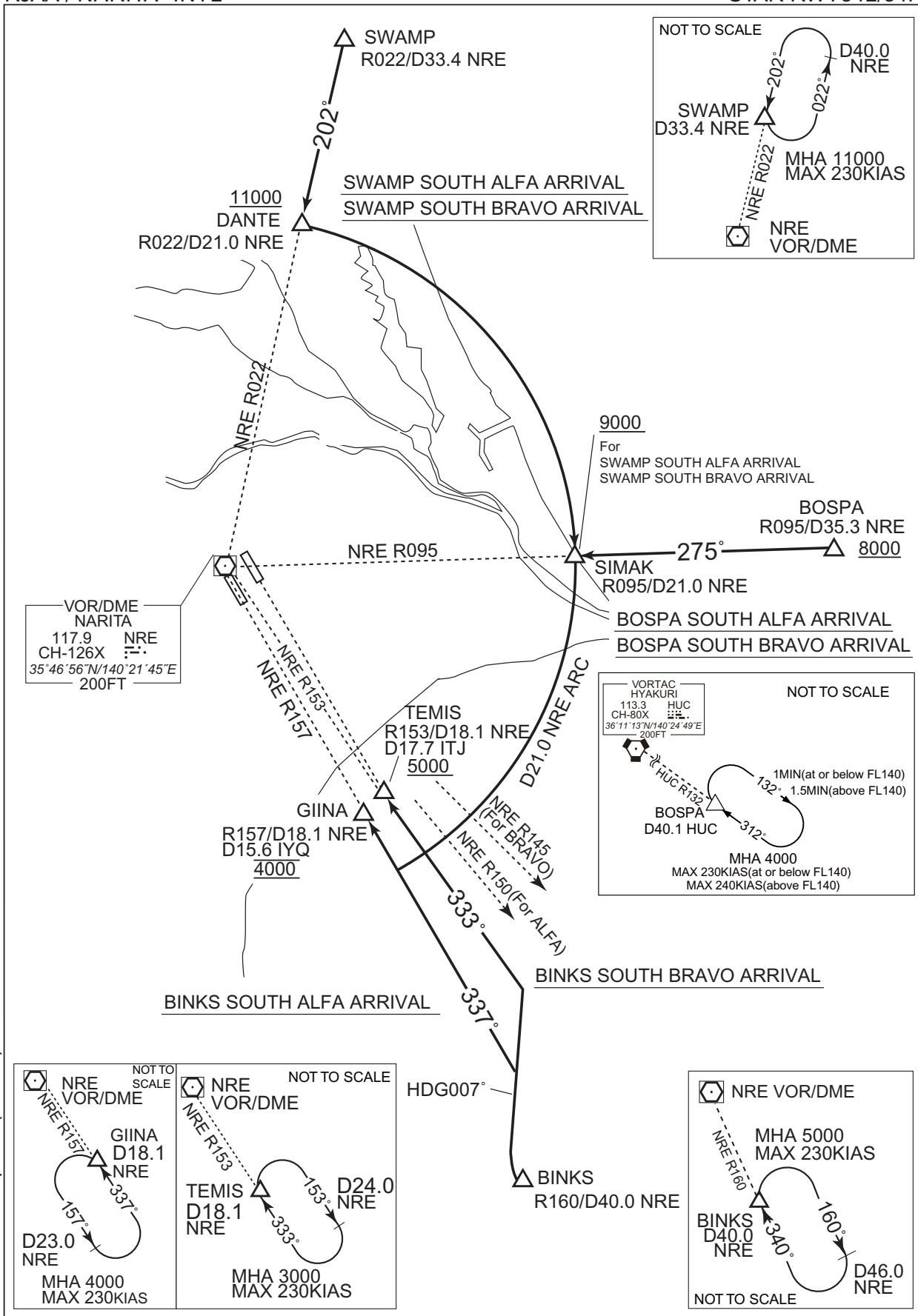
Cross DANTE at or above 11000FT, cross SIMAK at or above 9000FT, cross TEMIS at or above 5000FT.

CHANGE : BOSPA SOUTH ALFA/BRAVO ARRIVAL established. ABBOT SOUTH ALFA/BRAVO ARRIVAL abolished.  
BINKS SOUTH BRAVO ARRIVAL, SWAMP SOUTH ALFA/BRAVO ARRIVAL.

## STANDARD ARRIVAL CHART -INSTRUMENT

RJAA / NARITA INTL

STAR RWY34L/34R



STANDARD ARRIVAL CHART -INSTRUMENT

RJAA / NARITA INTL

STAR

BOSPA NORTH ARRIVAL

From over BOSPA, via NRE R095 to intercept and proceed via NRE 12.8DME counterclockwise ARC to LAKES.

Cross BOSPA at or above 8000FT, cross LAKES at or above 6000FT.

BINKS NORTH ARRIVAL

From over BINKS, via NRE R160 to intercept and proceed via NRE 21.0DME counterclockwise ARC to SIMAK, via NRE R095 to intercept and proceed via NRE 12.8DME counterclockwise ARC to LAKES.

Cross LAKES at or above 6000FT.

LAKES NORTH ARRIVAL

From over SWAMP, via NRE R022 to DANTE, via NRE 21.0DME clockwise ARC to SIMAK, via NRE R095 to intercept and proceed via NRE 12.8DME counterclockwise ARC to LAKES.

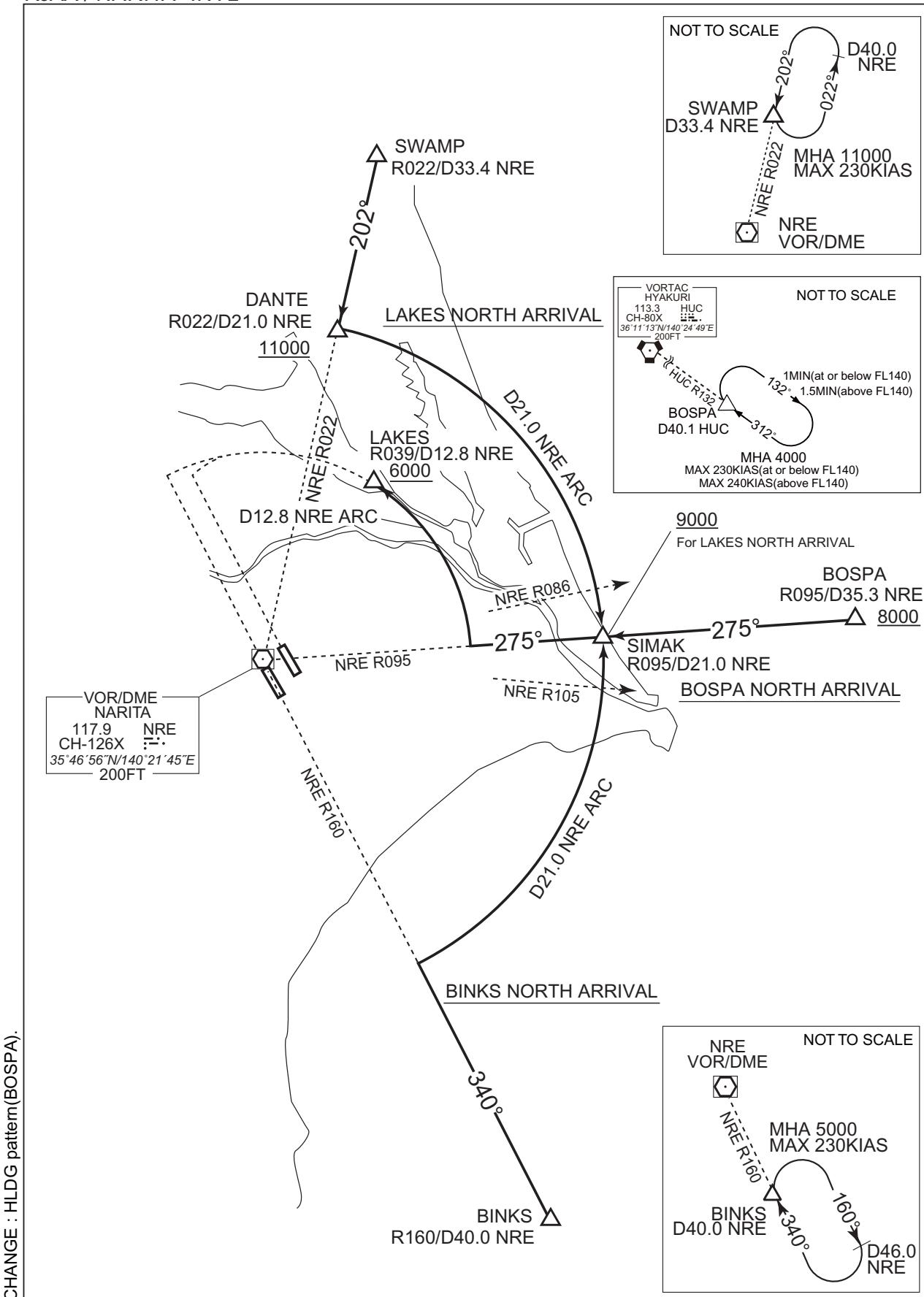
Cross DANTE at or above 11000FT, cross SIMAK at or above 9000FT, cross LAKES at or above 6000FT.

CHANGE : BOSPA NORTH ARRIVAL abolished. ABBOT NORTH ARRIVAL established. BINKS NORTH ARRIVAL abolished.

## STANDARD ARRIVAL CHART -INSTRUMENT

RJAA / NARITA INTL

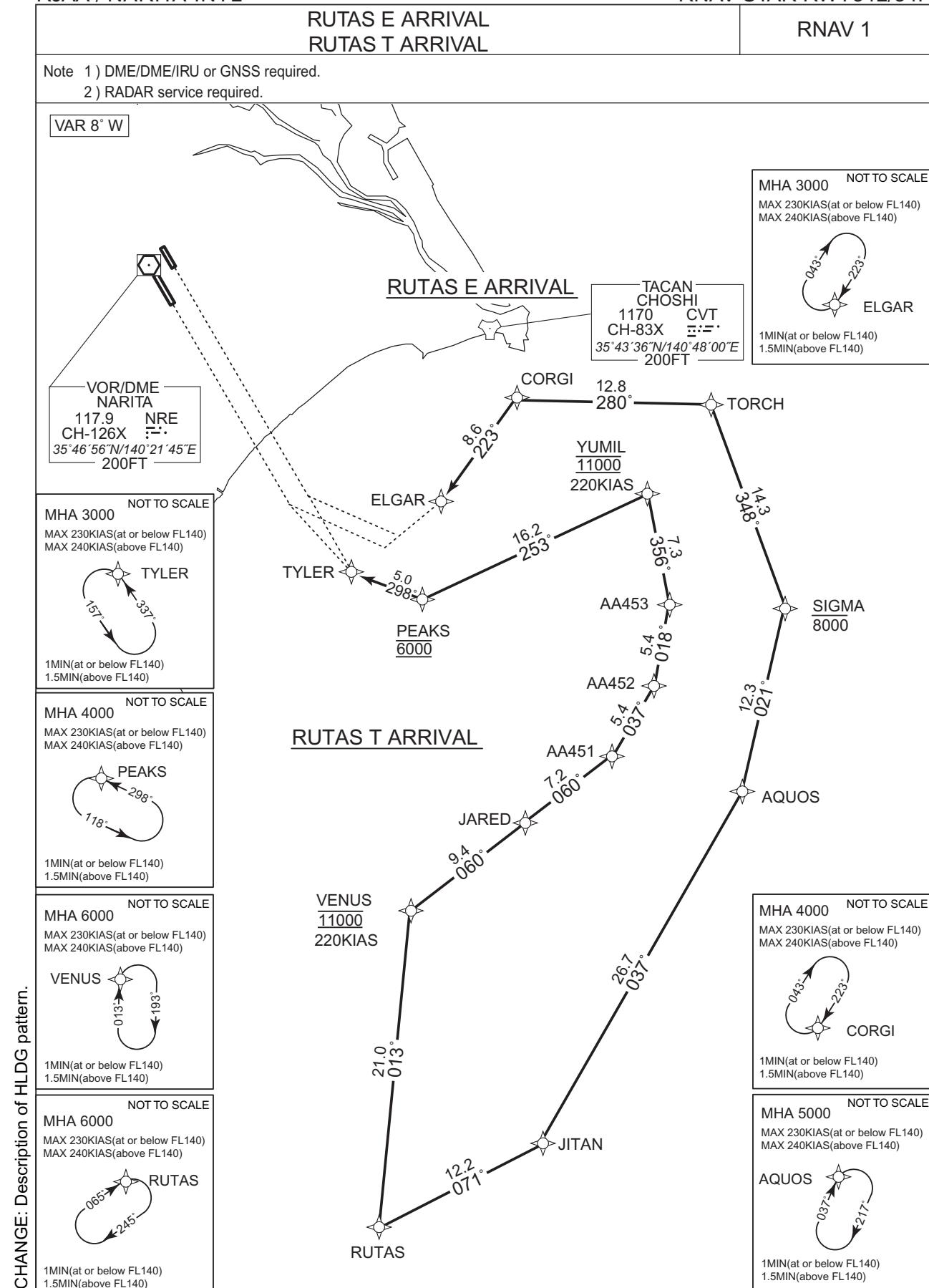
STAR RWY16R/16L



STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R



## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

RUTAS E ARRIVAL

From RUTAS, to JITAN, to AQUOS, to SIGMA at or below 8000FT, to TORCH, to CORGI, to ELGAR.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | RUTAS               | -        | -             | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | JITAN               | -        | 071 (063.5)   | -7.5               | 12.2          | -              | -             | -            | -              | RNAV1                    |
| 003           | TF              | AQUOS               | -        | 037 (029.1)   | -7.5               | 26.7          | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | SIGMA               | -        | 021 (013.8)   | -7.5               | 12.3          | -              | -8000         | -            | -              | RNAV1                    |
| 005           | TF              | TORCH               | -        | 348 (340.3)   | -7.5               | 14.3          | -              | -             | -            | -              | RNAV1                    |
| 006           | TF              | CORGİ               | -        | 280 (272.8)   | -7.5               | 12.8          | -              | -             | -            | -              | RNAV1                    |
| 007           | TF              | ELGAR               | -        | 223 (215.7)   | -7.5               | 8.6           | -              | -             | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | RUTAS               | 065 (057.9)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | AQUOS               | 037 (029.1)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 5000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | CORGİ               | 223 (215.8)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 4000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ELGAR               | 223 (215.7)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 3000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

RUTAS T ARRIVAL

From RUTAS, to VENUS at 11000FT, to JARED, to AA451, to AA452, to AA453, to YUMIL at 11000FT, to PEAKS at 6000FT, to TYLER.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | RUTAS               | -        | -             | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | VENUS               | -        | 013 (005.8)   | -7.5               | 21.0          | -              | 11000         | 220          | -              | RNAV1                    |
| 003           | TF              | JARED               | -        | 060 (052.3)   | -7.5               | 9.4           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | AA451               | -        | 060 (052.1)   | -7.5               | 7.2           | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | AA452               | -        | 037 (029.7)   | -7.5               | 5.4           | -              | -             | -            | -              | RNAV1                    |
| 006           | TF              | AA453               | -        | 018 (010.7)   | -7.5               | 5.4           | -              | -             | -            | -              | RNAV1                    |
| 007           | TF              | YUMIL               | -        | 356 (348.2)   | -7.5               | 7.3           | -              | 11000         | 220          | -              | RNAV1                    |
| 008           | TF              | PEAKS               | -        | 253 (245.0)   | -7.5               | 16.2          | -              | 6000          | -            | -              | RNAV1                    |
| 009           | TF              | TYLER               | -        | 298 (290.2)   | -7.5               | 5.0           | -              | -             | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | RUTAS               | 065 (057.9)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | VENUS               | 013 (005.8)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | PEAKS               | 298 (290.2)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 4000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | TYLER               | 337 (329.8)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 3000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE: JARED renamed. HLDG Pattern (PEAKS) established.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| AA451               | 351449.2N / 1405911.3E | PEAKS               | 352507.2N / 1404352.7E |
| AA452               | 351930.7N / 1410228.5E | RUTAS               | 344349.3N / 1404034.2E |
| AA453               | 352449.7N / 1410342.2E | SIGMA               | 352425.5N / 1411318.3E |
| AQUOS               | 351229.7N / 1410942.5E | TORCH               | 353752.8N / 1410721.7E |
| CORGİ               | 353829.8N / 1405138.9E | TYLER               | 352650.5N / 1403807.8E |
| ELGAR               | 353129.2N / 1404527.4E | VENUS               | 350440.1N / 1404309.7E |
| JARED               | 351024.8N / 1405215.4E | YUMIL               | 353158.6N / 1410151.7E |
| JITAN               | 344914.2N / 1405349.3E |                     |                        |

CHANGE: JARED renamed

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

SWAMP E ARRIVAL  
SWAMP T ARRIVAL

RNAV 1

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

VAR 8° W

NOT TO SCALE

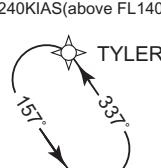
MHA 3000  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)



1MIN(at or below FL140)  
1.5MIN(above FL140)

NOT TO SCALE

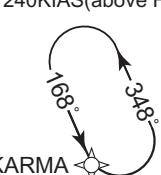
MHA 3000  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)



1MIN(at or below FL140)  
1.5MIN(above FL140)

MHA 6000 NOT TO SCALE

MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)



1MIN(at or below FL140)  
1.5MIN(above FL140)

MHA 4000 NOT TO SCALE

MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)

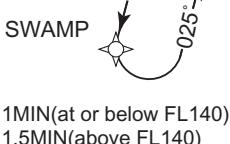


1MIN(at or below FL140)  
1.5MIN(above FL140)

SWAMP E ARRIVAL  
SWAMP T ARRIVAL

MHA 11000 NOT TO SCALE

MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)



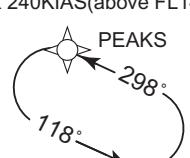
1MIN(at or below FL140)  
1.5MIN(above FL140)

SWAMP E ARRIVAL

SWAMP T ARRIVAL

MHA 4000 NOT TO SCALE

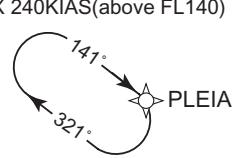
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)



1MIN(at or below FL140)  
1.5MIN(above FL140)

MHA 9000 NOT TO SCALE

MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)



1MIN(at or below FL140)  
1.5MIN(above FL140)

CHANGE: Description of HLDG pattern.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

SWAMP E ARRIVAL

From SWAMP, to VIXEN at or above 11000FT, to PLEIA, to MIFFY at or above 9000FT, to KARMA at or above 6000FT, to UNARI, to CORGI, to ELGAR.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | SWAMP               | -        | -              | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | VIXEN               | -        | 140<br>(133.0) | -7.5               | 8.3           | -              | +11000        | -            | -              | RNAV1                    |
| 003           | TF              | PLEIA               | -        | 141<br>(133.0) | -7.5               | 8.8           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | MIFFY               | -        | 168<br>(160.3) | -7.5               | 5.4           | -              | +9000         | -            | -              | RNAV1                    |
| 005           | TF              | KARMA               | -        | 168<br>(160.3) | -7.5               | 12.6          | -              | +6000         | -            | -              | RNAV1                    |
| 006           | TF              | UNARI               | -        | 168<br>(160.4) | -7.5               | 5.8           | -              | -             | -            | -              | RNAV1                    |
| 007           | TF              | CORGI               | -        | 223<br>(215.8) | -7.5               | 8.3           | -              | -             | -            | -              | RNAV1                    |
| 008           | TF              | ELGAR               | -        | 223<br>(215.7) | -7.5               | 8.6           | -              | -             | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | SWAMP               | 205<br>(197.0)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 11000                 | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | PLEIA               | 141<br>(133.1)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 9000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | KARMA               | 168<br>(160.3)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | CORGI               | 223<br>(215.8)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 4000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ELGAR               | 223<br>(215.7)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 3000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

SWAMP T ARRIVAL

From SWAMP, to VIXEN at or above 11000FT, to PLEIA, to KARMA, to DREAM at 10000FT, to MCGEE, to AA455, to AA456, to AA457, to HYDRA at 10000FT, to PEAKS at 6000FT, to TYLER.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | SWAMP               | -        | -             | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | VIXEN               | -        | 140 (133.0)   | -7.5               | 8.3           | -              | +11000        | -            | -              | RNAV1                    |
| 003           | TF              | PLEIA               | -        | 141 (133.0)   | -7.5               | 8.8           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | KARMA               | -        | 168 (160.3)   | -7.5               | 17.9          | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | DREAM               | -        | 168 (160.4)   | -7.5               | 12.6          | -              | 10000         | 220          | -              | RNAV1                    |
| 006           | TF              | MCGEE               | -        | 168 (160.4)   | -7.5               | 6.8           | -              | -             | -            | -              | RNAV1                    |
| 007           | TF              | AA455               | -        | 176 (168.2)   | -7.5               | 7.9           | -              | -             | -            | -              | RNAV1                    |
| 008           | TF              | AA456               | -        | 198 (190.7)   | -7.5               | 5.8           | -              | -             | -            | -              | RNAV1                    |
| 009           | TF              | AA457               | -        | 217 (209.8)   | -7.5               | 5.8           | -              | -             | -            | -              | RNAV1                    |
| 010           | TF              | HYDRA               | -        | 240 (232.1)   | -7.5               | 7.7           | -              | 10000         | 220          | -              | RNAV1                    |
| 011           | TF              | PEAKS               | -        | 343 (335.1)   | -7.5               | 17.4          | -              | 6000          | -            | -              | RNAV1                    |
| 012           | TF              | TYLER               | -        | 298 (290.2)   | -7.5               | 5.0           | -              | -             | -            | -              | RNAV1                    |

CHANGE: MCGEE renamed. HLDG Pattern (PEAKS) established.

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | SWAMP               | 205 (197.0)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 11000                 | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | PLEIA               | 141 (133.1)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 9000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | KARMA               | 168 (160.3)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | PEAKS               | 298 (290.2)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 4000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | TYLER               | 337 (329.8)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 3000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

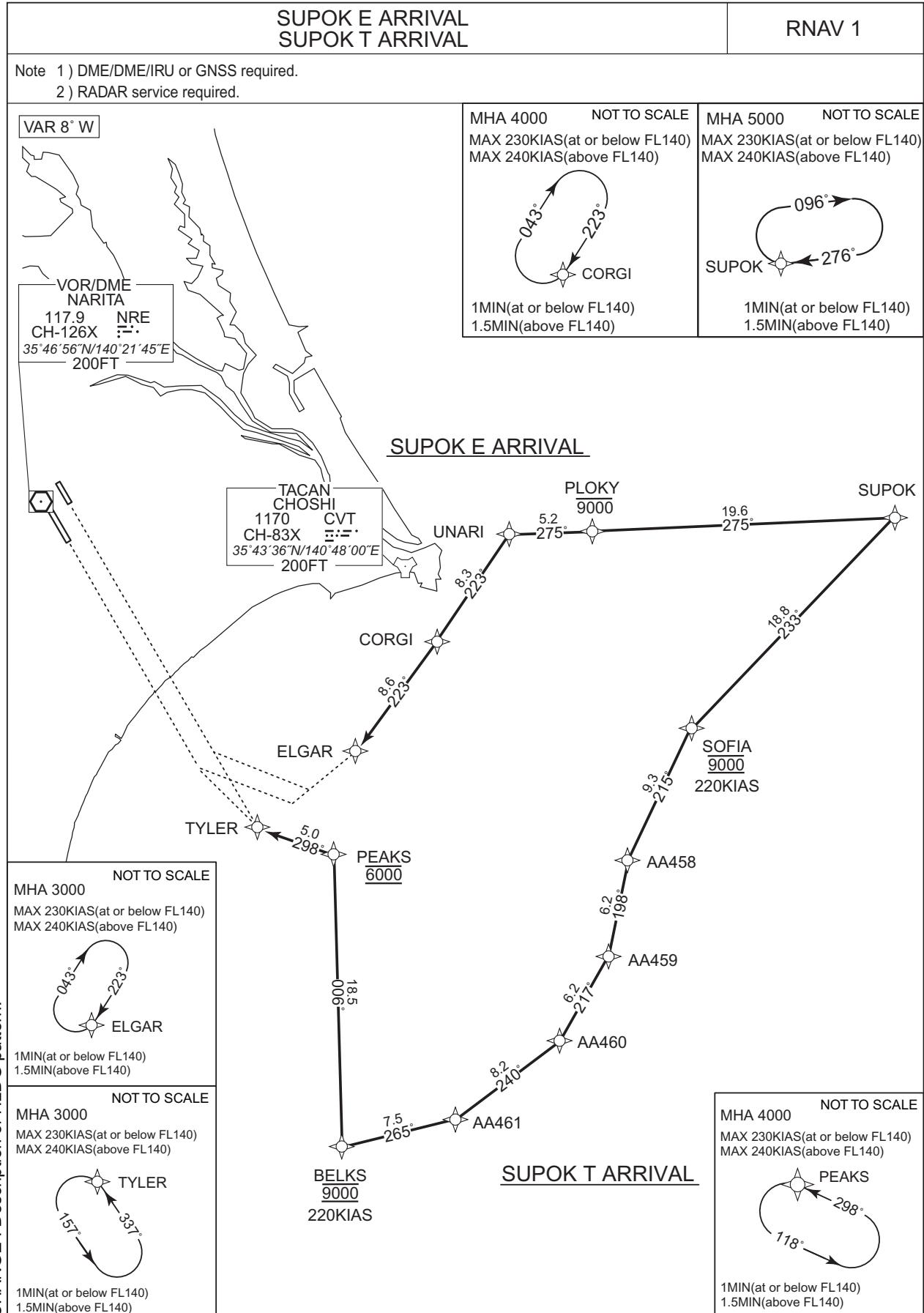
Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| AA455               | 352448.3N / 1410510.3E | MCGEE               | 353229.0N / 1410311.8E |
| AA456               | 351905.7N / 1410351.0E | MIFFY               | 360232.1N / 1404959.5E |
| AA457               | 351403.4N / 1410019.2E | PEAKS               | 352507.2N / 1404352.7E |
| CORGI               | 353829.8N / 1405138.9E | PLEIA               | 360734.8N / 1404745.4E |
| DREAM               | 353853.3N / 1410023.9E | SWAMP               | 361914.4N / 1403217.0E |
| ELGAR               | 353129.2N / 1404527.4E | TYLER               | 352650.5N / 1403807.8E |
| HYDRA               | 350919.4N / 1405252.5E | UNARI               | 354513.8N / 1405737.1E |
| KARMA               | 355042.9N / 1405512.4E | VIXEN               | 361335.9N / 1403947.1E |

CHANGE : MCGEE renamed

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL



CHANGE : Description of HLDG pattern.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

SUPOK E ARRIVAL

From SUPOK, to PLOKY at or below 9000FT, to UNARI, to CORGI, to ELGAR.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | SUPOK               | -        | -              | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | PLOKY               | -        | 275<br>(267.9) | -7.5               | 19.6          | -              | -9000         | -            | -              | RNAV1                    |
| 003           | TF              | UNARI               | -        | 275<br>(267.4) | -7.5               | 5.2           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | CORGI               | -        | 223<br>(215.8) | -7.5               | 8.3           | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | ELGAR               | -        | 223<br>(215.7) | -7.5               | 8.6           | -              | -             | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | SUPOK               | 276<br>(268.6)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 5000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | CORGI               | 223<br>(215.8)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 4000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ELGAR               | 223<br>(215.7)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 3000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

SUPOK T ARRIVAL

From SUPOK, to SOFIA at 9000FT, to AA458, to AA459, to AA460, to AA461, to BELKS at 9000FT, to PEAKS at 6000FT, to TYLER.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | SUPOK               | -        | -             | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | SOFIA               | -        | 233 (225.2)   | -7.5               | 18.8          | -              | 9000          | 220          | -              | RNAV1                    |
| 003           | TF              | AA458               | -        | 215 (207.2)   | -7.5               | 9.3           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | AA459               | -        | 198 (190.7)   | -7.5               | 6.2           | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | AA460               | -        | 217 (209.8)   | -7.5               | 6.2           | -              | -             | -            | -              | RNAV1                    |
| 006           | TF              | AA461               | -        | 240 (232.2)   | -7.5               | 8.2           | -              | -             | -            | -              | RNAV1                    |
| 007           | TF              | BELKS               | -        | 265 (257.8)   | -7.5               | 7.5           | -              | 9000          | 220          | -              | RNAV1                    |
| 008           | TF              | PEAKS               | -        | 006 (358.3)   | -7.5               | 18.5          | -              | 6000          | -            | -              | RNAV1                    |
| 009           | TF              | TYLER               | -        | 298 (290.2)   | -7.5               | 5.0           | -              | -             | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | SUPOK               | 276 (268.6)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 5000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | PEAKS               | 298 (290.2)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 4000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | TYLER               | 337 (329.8)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 3000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : HLDG Pattern (PEAKS) established

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| AA458               | 352446.9N / 1410638.5E | PEAKS               | 352507.2N / 1404352.7E |
| AA459               | 351840.7N / 1410513.6E | PLOKY               | 354528.3N / 1410402.3E |
| AA460               | 351317.5N / 1410127.0E | SOFIA               | 353300.1N / 1411149.9E |
| AA461               | 350814.0N / 1405329.6E | SUPOK               | 354614.1N / 1412810.0E |
| BELKS               | 350638.5N / 1404433.3E | TYLER               | 352650.5N / 1403807.8E |
| CORGI               | 353829.8N / 1405138.9E | UNARI               | 354513.8N / 1405737.1E |
| ELGAR               | 353129.2N / 1404527.4E |                     |                        |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

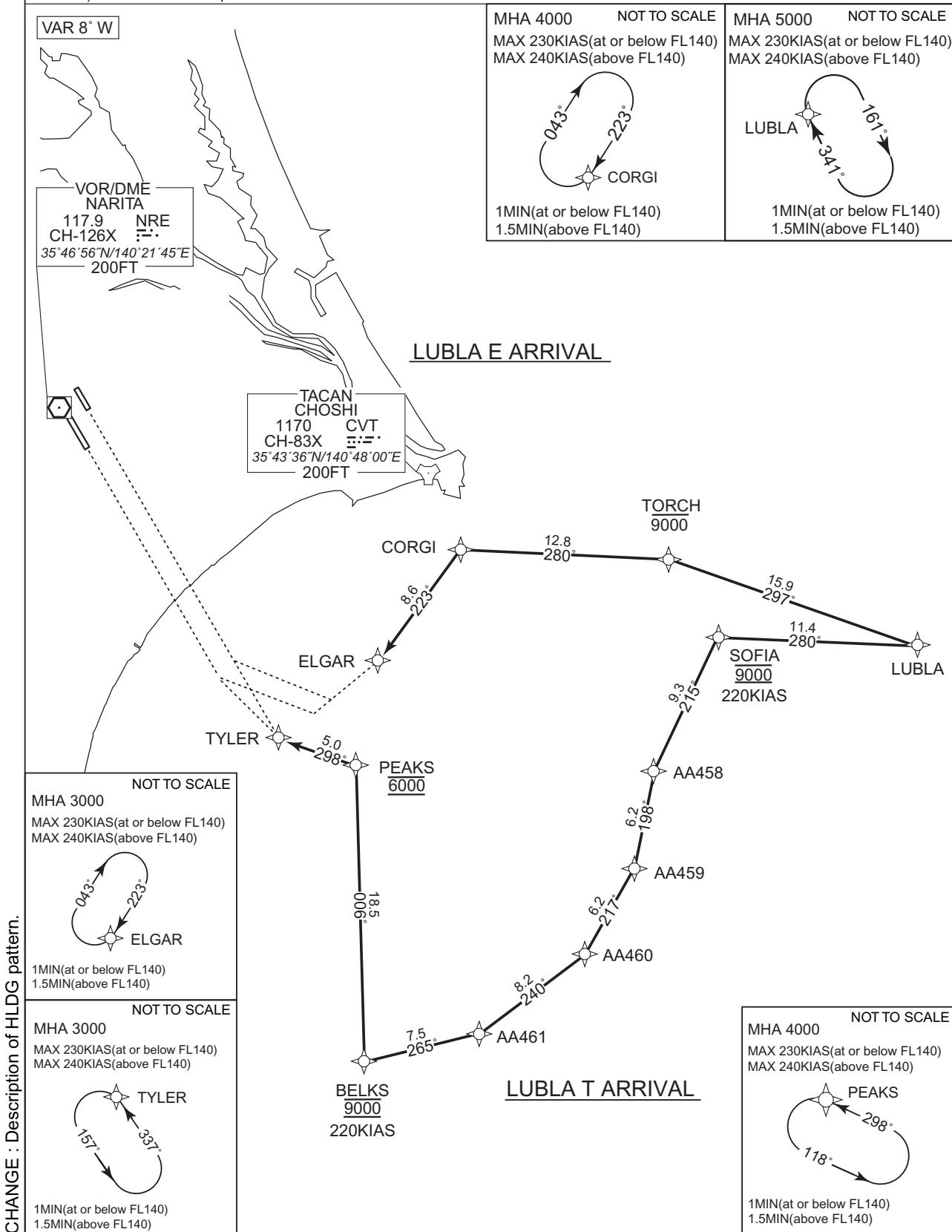
RNAV STAR RWY34L/34R

LUBLA E ARRIVAL  
LUBLA T ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.



## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

LUBLA E ARRIVAL

From LUBLA, to TORCH at or below 9000FT, to CORGI, to ELGAR.

|                       |   |
|-----------------------|---|
| Critical DME          | —   |
| DME GAP               | —   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | LUBLA               | —        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TORCH               | —        | 297 (289.5)   | -7.5               | 15.9          | —              | -9000         | —            | —              | RNAV1                    |
| 003           | TF              | CORGI               | —        | 280 (272.8)   | -7.5               | 12.8          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | ELGAR               | —        | 223 (215.7)   | -7.5               | 8.6           | —              | —             | —            | —              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | LUBLA               | 341 (333.9)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 5000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | CORGI               | 223 (215.8)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ELGAR               | 223 (215.7)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : New PROC

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

LUBLA T ARRIVAL

From LUBLA, to SOFIA at 9000FT, to AA458, to AA459, to AA460, to AA461, to BELKS at 9000FT, to PEAKS at 6000FT, to TYLER.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | LUBLA               | -        | -             | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | SOFIA               | -        | 280 (272.2)   | -7.5               | 11.4          | -              | 9000          | 220          | -              | RNAV1                    |
| 003           | TF              | AA458               | -        | 215 (207.2)   | -7.5               | 9.3           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | AA459               | -        | 198 (190.7)   | -7.5               | 6.2           | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | AA460               | -        | 217 (209.8)   | -7.5               | 6.2           | -              | -             | -            | -              | RNAV1                    |
| 006           | TF              | AA461               | -        | 240 (232.2)   | -7.5               | 8.2           | -              | -             | -            | -              | RNAV1                    |
| 007           | TF              | BELKS               | -        | 265 (257.8)   | -7.5               | 7.5           | -              | 9000          | 220          | -              | RNAV1                    |
| 008           | TF              | PEAKS               | -        | 006 (358.3)   | -7.5               | 18.5          | -              | 6000          | -            | -              | RNAV1                    |
| 009           | TF              | TYLER               | -        | 298 (290.2)   | -7.5               | 5.0           | -              | -             | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | LUBLA               | 341 (333.9)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 5000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | PEAKS               | 298 (290.2)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 4000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | TYLER               | 337 (329.8)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 3000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| AA458               | 352446.9N / 1410638.5E | ELGAR               | 353129.2N / 1404527.4E |
| AA459               | 351840.7N / 1410513.6E | LUBLA               | 353235.0N / 1412550.8E |
| AA460               | 351317.5N / 1410127.0E | PEAKS               | 352507.2N / 1404352.7E |
| AA461               | 350814.0N / 1405329.6E | SOFIA               | 353300.1N / 1411149.9E |
| BELKS               | 350638.5N / 1404433.3E | TORCH               | 353752.8N / 1410721.7E |
| CORG                | 353829.8N / 1405138.9E | TYLER               | 352650.5N / 1403807.8E |

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

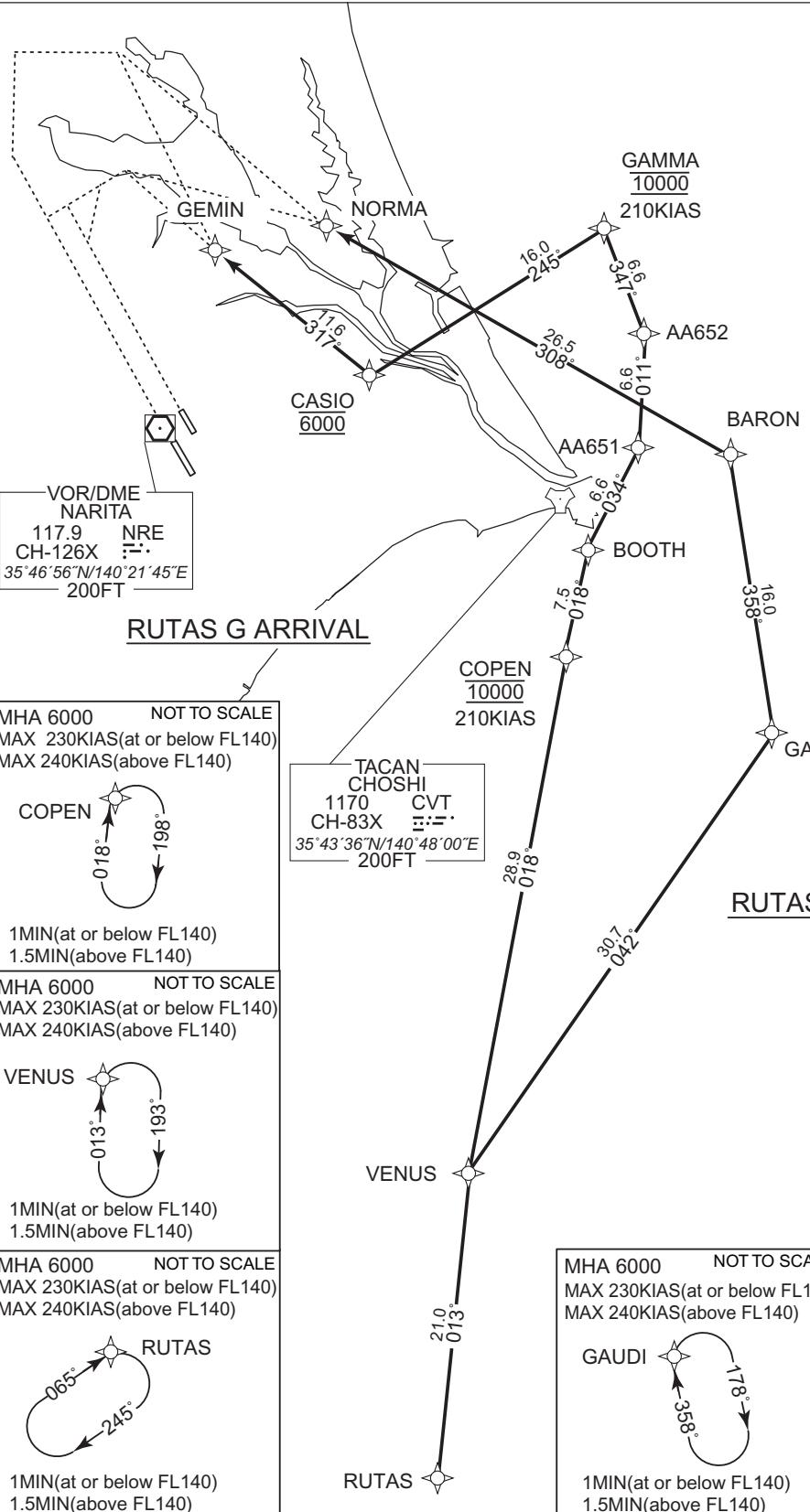
RNAV STAR RWY16R/16L

RUTAS G ARRIVAL  
RUTAS N ARRIVAL

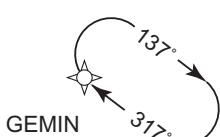
RNAV 1

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

VAR 8° W

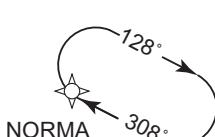


MHA 4000 NOT TO SCALE  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)



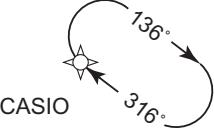
1MIN(at or below FL140)  
1.5MIN(above FL140)

MHA 6000 NOT TO SCALE  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)



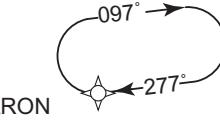
1MIN(at or below FL140)  
1.5MIN(above FL140)

MHA 4000 NOT TO SCALE  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)



1MIN(at or below FL140)  
1.5MIN(above FL140)

MHA 6000 NOT TO SCALE  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)



1MIN(at or below FL140)  
1.5MIN(above FL140)

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

RUTAS G ARRIVAL

From RUTAS, to VENUS, to COPEN at 10000FT, to BOOTH, to AA651, to AA652, to GAMMA at 10000FT, to CASIO at 6000FT, to GEMIN.

|                       |   |
|-----------------------|---|
| Critical DME          | —   |
| DME GAP               | —   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | RUTAS               | —        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | VENUS               | —        | 013 (005.8)   | -7.5               | 21.0          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | COPEN               | —        | 018 (010.5)   | -7.5               | 28.9          | —              | 10000         | 210          | —              | RNAV1                    |
| 004           | TF              | BOOTH               | —        | 018 (010.6)   | -7.5               | 7.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | AA651               | —        | 034 (026.6)   | -7.5               | 6.6           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | AA652               | —        | 011 (003.1)   | -7.5               | 6.6           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF              | GAMMA               | —        | 347 (339.6)   | -7.5               | 6.6           | —              | 10000         | 210          | —              | RNAV1                    |
| 008           | TF              | CASIO               | —        | 245 (237.6)   | -7.5               | 16.0          | —              | 6000          | —            | —              | RNAV1                    |
| 009           | TF              | GEMIN               | —        | 317 (309.1)   | -7.5               | 11.6          | —              | —             | —            | —              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | RUTAS               | 065 (057.9)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | VENUS               | 013 (005.8)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | COPEN               | 018 (010.5)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | CASIO               | 316 (308.6)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | GEMIN               | 317 (309.1)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : BOOTH renamed

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

RUTAS N ARRIVAL

From RUTAS, to VENUS, to GAUDI, to BARON, to NORMA.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | RUTAS               | -        | -             | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | VENUS               | -        | 013 (005.8)   | -7.5               | 21.0          | -              | -             | -            | -              | RNAV1                    |
| 003           | TF              | GAUDI               | -        | 042 (034.1)   | -7.5               | 30.7          | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | BARON               | -        | 358 (351.0)   | -7.5               | 16.0          | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | NORMA               | -        | 308 (300.0)   | -7.5               | 26.5          | -              | -             | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | RUTAS               | 065 (057.9)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | VENUS               | 013 (005.8)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | GAUDI               | 358 (351.0)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | BARON               | 277 (270.0)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | NORMA               | 308 (300.0)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| AA651               | 354615.0N / 1405457.4E | GAMMA               | 355856.3N / 1405234.6E |
| AA652               | 355247.8N / 1405523.8E | GAUDI               | 353002.4N / 1410418.1E |
| BARON               | 354551.0N / 1410112.0E | GEMIN               | 355738.6N / 1402450.7E |
| BOOTH               | 354023.6N / 1405120.5E | NORMA               | 355900.8N / 1403254.0E |
| CASIO               | 355021.4N / 1403556.1E | RUTAS               | 344349.3N / 1404034.2E |
| COPEN               | 353303.7N / 1404939.2E | VENUS               | 350440.1N / 1404309.7E |

CHANGE : BOOTH renamed

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

SWAMP G ARRIVAL  
SWAMP N ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.

MHA 11000 NOT TO SCALE  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)

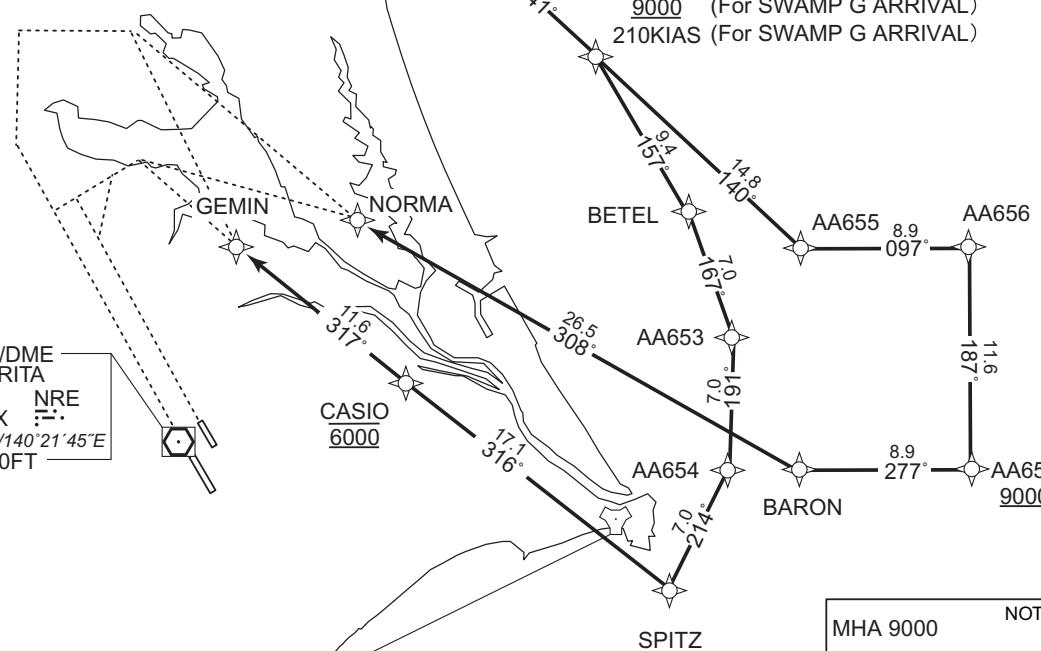
VAR 8° W

SWAMP  
205°  
025°  
1MIN(at or below FL140)  
1.5MIN(above FL140)

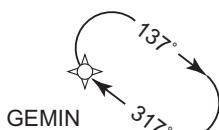
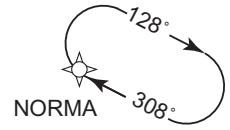
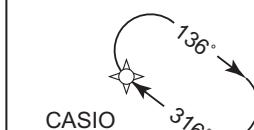
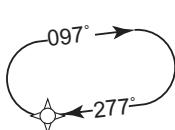
SWAMP

VIXEN

11000

SWAMP N ARRIVALPLEIA  
9000 (For SWAMP G ARRIVAL)  
210KIAS (For SWAMP G ARRIVAL)NOT TO SCALE  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)1MIN(at or below FL140)  
1.5MIN(above FL140)

CHANGE : Description of HLDG pattern.

MHA 4000 NOT TO SCALE  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)1MIN(at or below FL140)  
1.5MIN(above FL140)MHA 6000 NOT TO SCALE  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)1MIN(at or below FL140)  
1.5MIN(above FL140)MHA 4000 NOT TO SCALE  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)1MIN(at or below FL140)  
1.5MIN(above FL140)MHA 6000 NOT TO SCALE  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)1MIN(at or below FL140)  
1.5MIN(above FL140)

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

SWAMP G ARRIVAL

From SWAMP, to VIXEN at or above 11000FT, to PLEIA at 9000FT, to BETEL, to AA653, to AA654, to SPITZ at 9000FT, to CASIO at 6000FT, to GEMIN.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | SWAMP               | -        | -              | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | VIXEN               | -        | 140<br>(133.0) | -7.5               | 8.3           | -              | +11000        | -            | -              | RNAV1                    |
| 003           | TF              | PLEIA               | -        | 141<br>(133.0) | -7.5               | 8.8           | -              | 9000          | 210          | -              | RNAV1                    |
| 004           | TF              | BETEL               | -        | 157<br>(149.1) | -7.5               | 9.4           | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | AA653               | -        | 167<br>(159.6) | -7.5               | 7.0           | -              | -             | -            | -              | RNAV1                    |
| 006           | TF              | AA654               | -        | 191<br>(183.1) | -7.5               | 7.0           | -              | -             | -            | -              | RNAV1                    |
| 007           | TF              | SPITZ               | -        | 214<br>(206.6) | -7.5               | 7.0           | -              | 9000          | 210          | -              | RNAV1                    |
| 008           | TF              | CASIO               | -        | 316<br>(308.6) | -7.5               | 17.1          | -              | 6000          | -            | -              | RNAV1                    |
| 009           | TF              | GEMIN               | -        | 317<br>(309.1) | -7.5               | 11.6          | -              | -             | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | SWAMP               | 205<br>(197.0)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 11000                 | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | PLEIA               | 141<br>(133.1)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 9000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | CASIO               | 316<br>(308.6)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 4000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | GEMIN               | 317<br>(309.1)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 4000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : New PROC

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

SWAMP N ARRIVAL

From SWAMP, to VIXEN at or above 11000FT, to PLEIA, to AA655, to AA656, to AA657 at or above 9000FT, to BARON, to NORMA.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | SWAMP               | -        | -              | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | VIXEN               | -        | 140<br>(133.0) | -7.5               | 8.3           | -              | +11000        | -            | -              | RNAV1                    |
| 003           | TF              | PLEIA               | -        | 141<br>(133.0) | -7.5               | 8.8           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | AA655               | -        | 140<br>(132.9) | -7.5               | 14.8          | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | AA656               | -        | 097<br>(089.9) | -7.5               | 8.9           | -              | -             | -            | -              | RNAV1                    |
| 006           | TF              | AA657               | -        | 187<br>(180.0) | -7.5               | 11.6          | -              | +9000         | -            | -              | RNAV1                    |
| 007           | TF              | BARON               | -        | 277<br>(270.0) | -7.5               | 8.9           | -              | -             | -            | -              | RNAV1                    |
| 008           | TF              | NORMA               | -        | 308<br>(300.0) | -7.5               | 26.5          | -              | -             | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | SWAMP               | 205<br>(197.0)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 11000                 | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | PLEIA               | 141<br>(133.1)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 9000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | BARON               | 277<br>(270.0)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | NORMA               | 308<br>(300.0)        | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| AA653               | 355257.7N / 1405644.1E | CASIO               | 355021.4N / 1403556.1E |
| AA654               | 354557.9N / 1405615.8E | GEMIN               | 355738.6N / 1402450.7E |
| AA655               | 355728.9N / 1410110.3E | NORMA               | 355900.8N / 1403254.0E |
| AA656               | 355729.4N / 1411209.0E | PLEIA               | 360734.8N / 1404745.4E |
| AA657               | 354551.6N / 1411209.1E | SPITZ               | 353942.4N / 1405223.9E |
| BARON               | 354551.0N / 1410112.0E | SWAMP               | 361914.4N / 1403217.0E |
| BETEL               | 355931.6N / 1405343.4E | VIXEN               | 361335.9N / 1403947.1E |

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

SUPOK G ARRIVAL  
SUPOK N ARRIVAL

RNAV 1

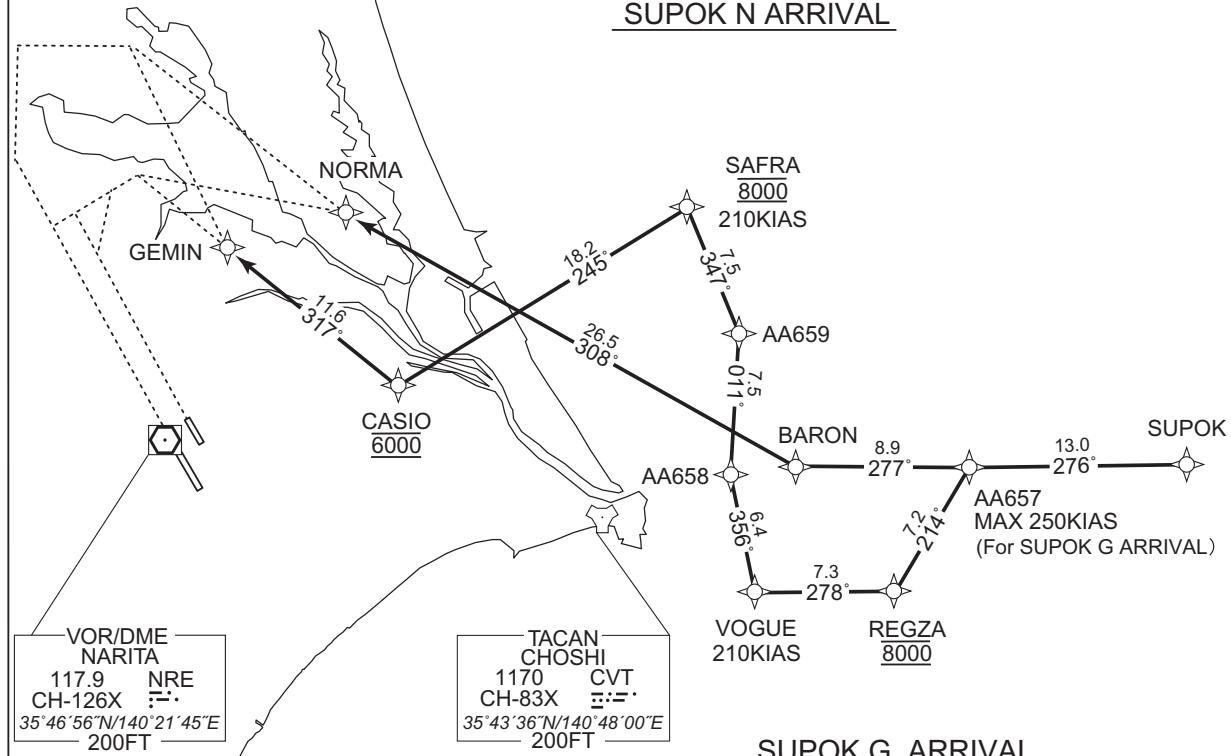
Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.

|  |  |  |
|--|--|--|
| MHA 4000<br>NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) | MHA 6000<br>NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) | MHA 5000<br>NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) |
| CASIO<br><br>1MIN(at or below FL140)<br>1.5MIN(above FL140)                            | BARON<br><br>1MIN(at or below FL140)<br>1.5MIN(above FL140)                            | SUPOK<br><br>1MIN(at or below FL140)<br>1.5MIN(above FL140)                            |

VAR 8° W

SUPOK N ARRIVAL



SUPOK G ARRIVAL

|  |  |
|--|--|
| MHA 4000<br>NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) | MHA 6000<br>NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) |
| GEMIN<br><br>1MIN(at or below FL140)<br>1.5MIN(above FL140)                            | NORMA<br><br>1MIN(at or below FL140)<br>1.5MIN(above FL140)                            |

CHANGE : Description of HLDG pattern.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

SUPOK G ARRIVAL

From SUPOK, to AA657, to REGZA at 8000FT, to VOGUE, to AA658, to AA659, to SAFRA at 8000FT, to CASIO at 6000FT, to GEMIN.

|                       |   |
|-----------------------|---|
| Critical DME          | —   |
| DME GAP               | —   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | SUPOK               | —        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | AA657               | —        | 276 (268.4)   | -7.5               | 13.0          | —              | —             | -250         | —              | RNAV1                    |
| 003           | TF              | REGZA               | —        | 214 (206.8)   | -7.5               | 7.2           | —              | 8000          | —            | —              | RNAV1                    |
| 004           | TF              | VOGUE               | —        | 278 (270.3)   | -7.5               | 7.3           | —              | —             | 210          | —              | RNAV1                    |
| 005           | TF              | AA658               | —        | 356 (348.4)   | -7.5               | 6.4           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | AA659               | —        | 011 (003.1)   | -7.5               | 7.5           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF              | SAFRA               | —        | 347 (339.6)   | -7.5               | 7.5           | —              | 8000          | 210          | —              | RNAV1                    |
| 008           | TF              | CASIO               | —        | 245 (237.6)   | -7.5               | 18.2          | —              | 6000          | —            | —              | RNAV1                    |
| 009           | TF              | GEMIN               | —        | 317 (309.1)   | -7.5               | 11.6          | —              | —             | —            | —              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | SUPOK               | 276 (268.6)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 5000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | CASIO               | 316 (308.6)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | GEMIN               | 317 (309.1)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

SUPOK N ARRIVAL

From SUPOK, to AA657, to BARON, to NORMA.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | SUPOK               | -        | -             | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | AA657               | -        | 276 (268.4)   | -7.5               | 13.0          | -              | -             | -            | -              | RNAV1                    |
| 003           | TF              | BARON               | -        | 277 (270.0)   | -7.5               | 8.9           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | NORMA               | -        | 308 (300.0)   | -7.5               | 26.5          | -              | -             | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | SUPOK               | 276 (268.6)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 5000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | BARON               | 277 (270.0)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | NORMA               | 308 (300.0)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| AA657               | 354551.6N / 1411209.1E | NORMA               | 355900.8N / 1403254.0E |
| AA658               | 354540.9N / 1405734.1E | REGZA               | 353925.8N / 1410809.1E |
| AA659               | 355307.6N / 1405804.5E | SAFRA               | 360006.9N / 1405452.2E |
| BARON               | 354551.0N / 1410112.0E | SUPOK               | 354614.1N / 1412810.0E |
| CASIO               | 355021.4N / 1403556.1E | VOGUE               | 353927.6N / 1405908.4E |
| GEMIN               | 355738.6N / 1402450.7E |                     |                        |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

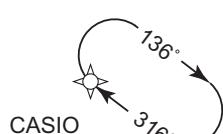
LUBLA G ARRIVAL  
LUBLA N ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.

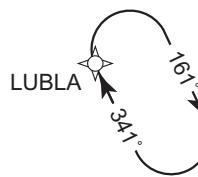
|  |  |  |
|--|--|--|
| MHA 4000<br>NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) | MHA 6000<br>NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) | MHA 5000<br>NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) |
|--|--|--|

1MIN(at or below FL140)  
1.5MIN(above FL140)

|  |
|--|
| MHA 6000<br>NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) |
|--|

BARON

|  |
|--|
| MHA 5000<br>NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) |
|--|

1MIN(at or below FL140)  
1.5MIN(above FL140)

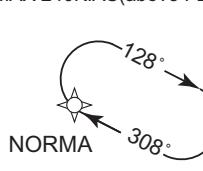
VAR 8° W

|  |
|--|
| MHA 4000<br>NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) |
|--|

GEMIN

1MIN(at or below FL140)  
1.5MIN(above FL140)

|  |
|--|
| MHA 6000<br>NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) |
|--|

1MIN(at or below FL140)  
1.5MIN(above FL140)

LUBLA N ARRIVAL

GEMIN

NORMA

CASIO  
6000

SAFRA

8000

210KIAS

AA659

1.5

1.5

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LUBLA

LUBLA G ARRIVAL

TACAN  
CHOSHI1170  
CH-83XCVT  
200FT117.9  
NRE  
CH-126X  
35°46'56"N/140°21'45"E  
200FT

CHANGE : Description of HLDG pattern.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

LUBLA G ARRIVAL

From LUBLA, to REGZA at 8000FT, to VOGUE, to AA658, to AA659, to SAFRA at 8000FT, to CASIO at 6000FT, to GEMIN.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | LUBLA               | -        | -             | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | REGZA               | -        | 303 (295.5)   | -7.5               | 15.9          | -              | 8000          | -            | -              | RNAV1                    |
| 003           | TF              | VOGUE               | -        | 278 (270.3)   | -7.5               | 7.3           | -              | -             | 210          | -              | RNAV1                    |
| 004           | TF              | AA658               | -        | 356 (348.4)   | -7.5               | 6.4           | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | AA659               | -        | 011 (003.1)   | -7.5               | 7.5           | -              | -             | -            | -              | RNAV1                    |
| 006           | TF              | SAFRA               | -        | 347 (339.6)   | -7.5               | 7.5           | -              | 8000          | 210          | -              | RNAV1                    |
| 007           | TF              | CASIO               | -        | 245 (237.6)   | -7.5               | 18.2          | -              | 6000          | -            | -              | RNAV1                    |
| 008           | TF              | GEMIN               | -        | 317 (309.1)   | -7.5               | 11.6          | -              | -             | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | LUBLA               | 341 (333.9)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 5000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | CASIO               | 316 (308.6)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 4000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | GEMIN               | 317 (309.1)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 4000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : New PROC

## STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

LUBLA N ARRIVAL

From LUBLA, to REGZA, to BARON, to NORMA.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | LUBLA               | -        | -             | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | REGZA               | -        | 303 (295.5)   | -7.5               | 15.9          | -              | -             | -            | -              | RNAV1                    |
| 003           | TF              | BARON               | -        | 326 (318.7)   | -7.5               | 8.6           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | NORMA               | -        | 308 (300.0)   | -7.5               | 26.5          | -              | -             | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | LUBLA               | 341 (333.9)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 5000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | BARON               | 277 (270.0)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | NORMA               | 308 (300.0)           | -7.5               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

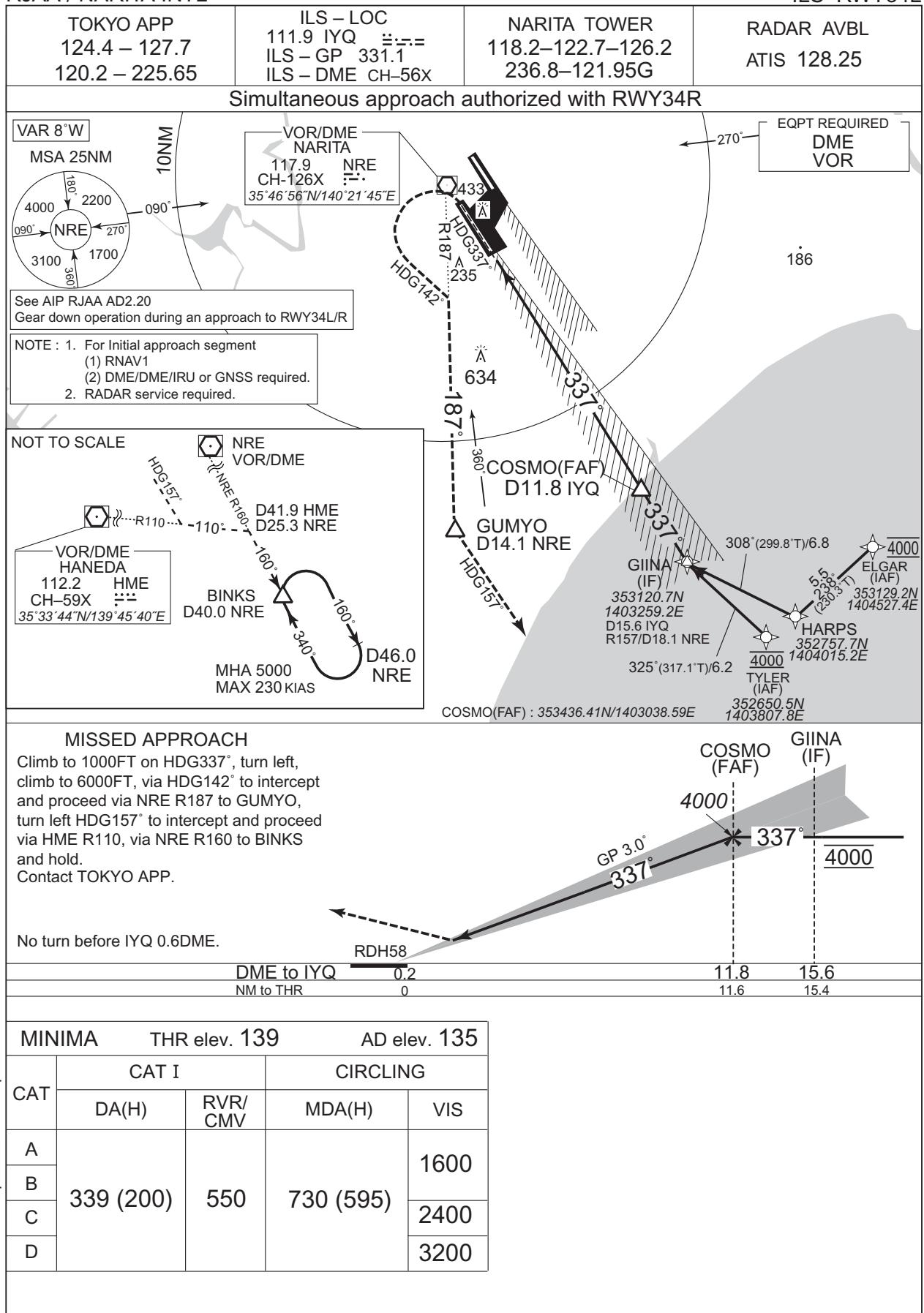
Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| AA658               | 354540.9N / 1405734.1E | LUBLA               | 353235.0N / 1412550.8E |
| AA659               | 355307.6N / 1405804.5E | NORMA               | 355900.8N / 1403254.0E |
| BARON               | 354551.0N / 1410112.0E | REGZA               | 353925.8N / 1410809.1E |
| CASIO               | 355021.4N / 1403556.1E | SAFRA               | 360006.9N / 1405452.2E |
| GEMIN               | 355738.6N / 1402450.7E | VOGUE               | 353927.6N / 1405908.4E |

INSTRUMENT APPROACH CHART

RJAA / NARITA INTL

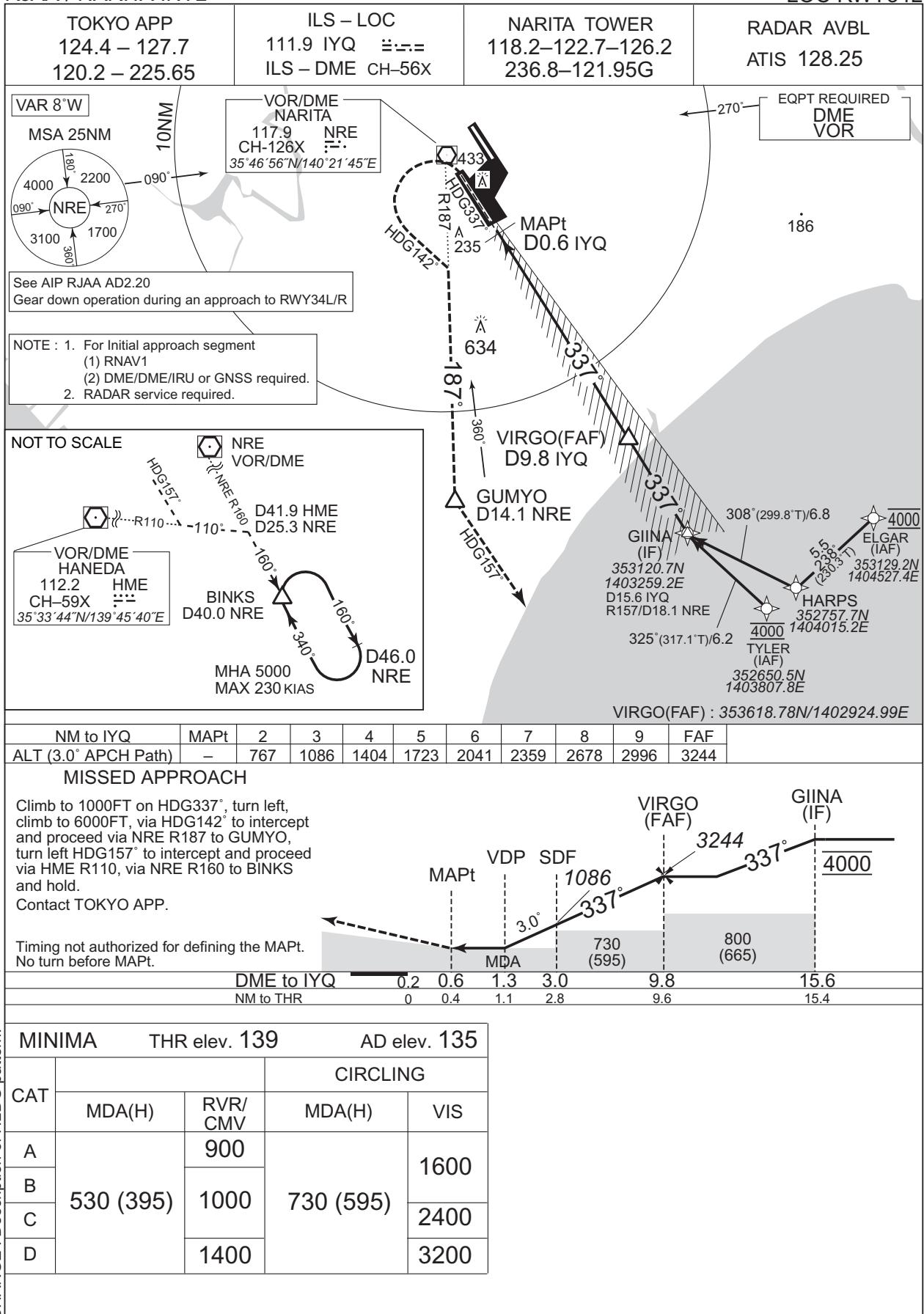
ILS RWY34L



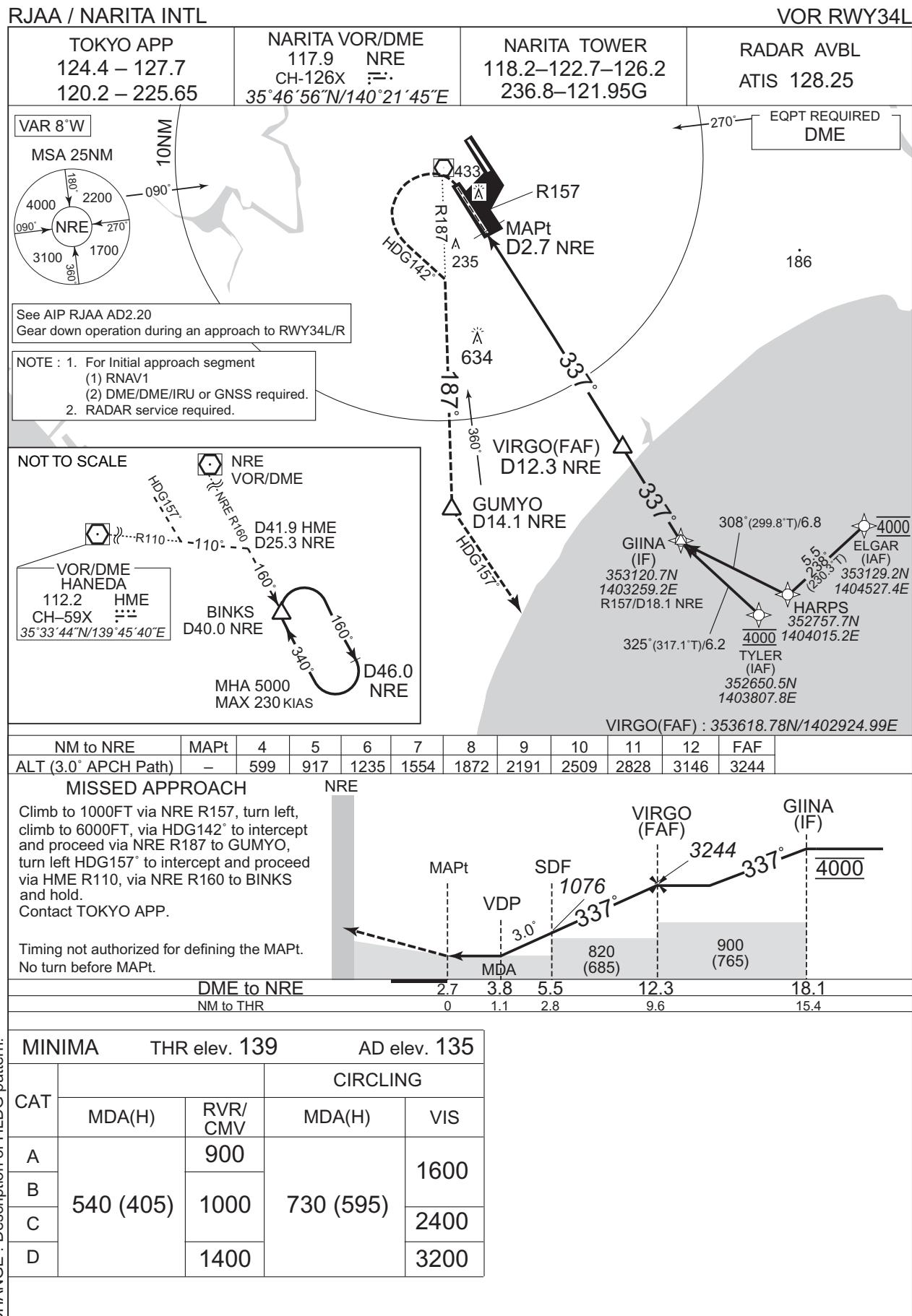
## INSTRUMENT APPROACH CHART

## RJAA / NARITA INTL

## LOC RWY34L



INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJAA / NARITA INTL

ILS Z RWY34R

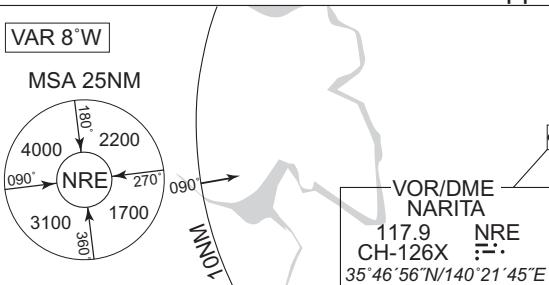
TOKYO APP  
124.4 – 127.7  
120.2 – 225.65

ILS – LOC  
110.9 ITJ  
ILS – GP 330.8  
ILS – DME CH-46X

NARITA TOWER  
118.35–122.7–126.2  
236.8–121.85G

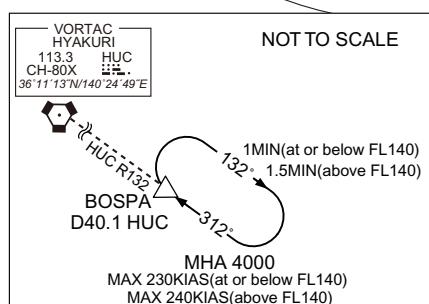
RADAR AVBL  
ATIS 128.25

Simultaneous approach authorized with RWY34L



See AIP RJAA AD2.20  
Gear down operation during an approach to RWY34L/R

NOTE : 1. For initial approach segment  
(1) RNAV1  
(2) DME/DME/IRU or GNSS required.  
2. RADAR service required.



LAPIS(FAF) : 353437.27N/1403233.16E

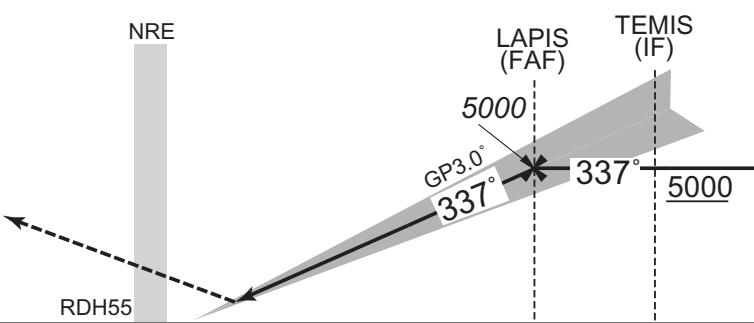
## NOT TO SCALE MISSED APPROACH

Climb to 700FT on HDG337°,  
turn right HDG140° to intercept  
and proceed via NRE R095 to  
BOSPA and hold at 8000FT.  
Contact TOKYO APP.

NRE

LAPIS (FAF)

TEMIS (IF)



DME to ITJ  
NM to THR

14.7 17.7  
14.5 17.5

MINIMA THR elev. 141 AD elev. 135

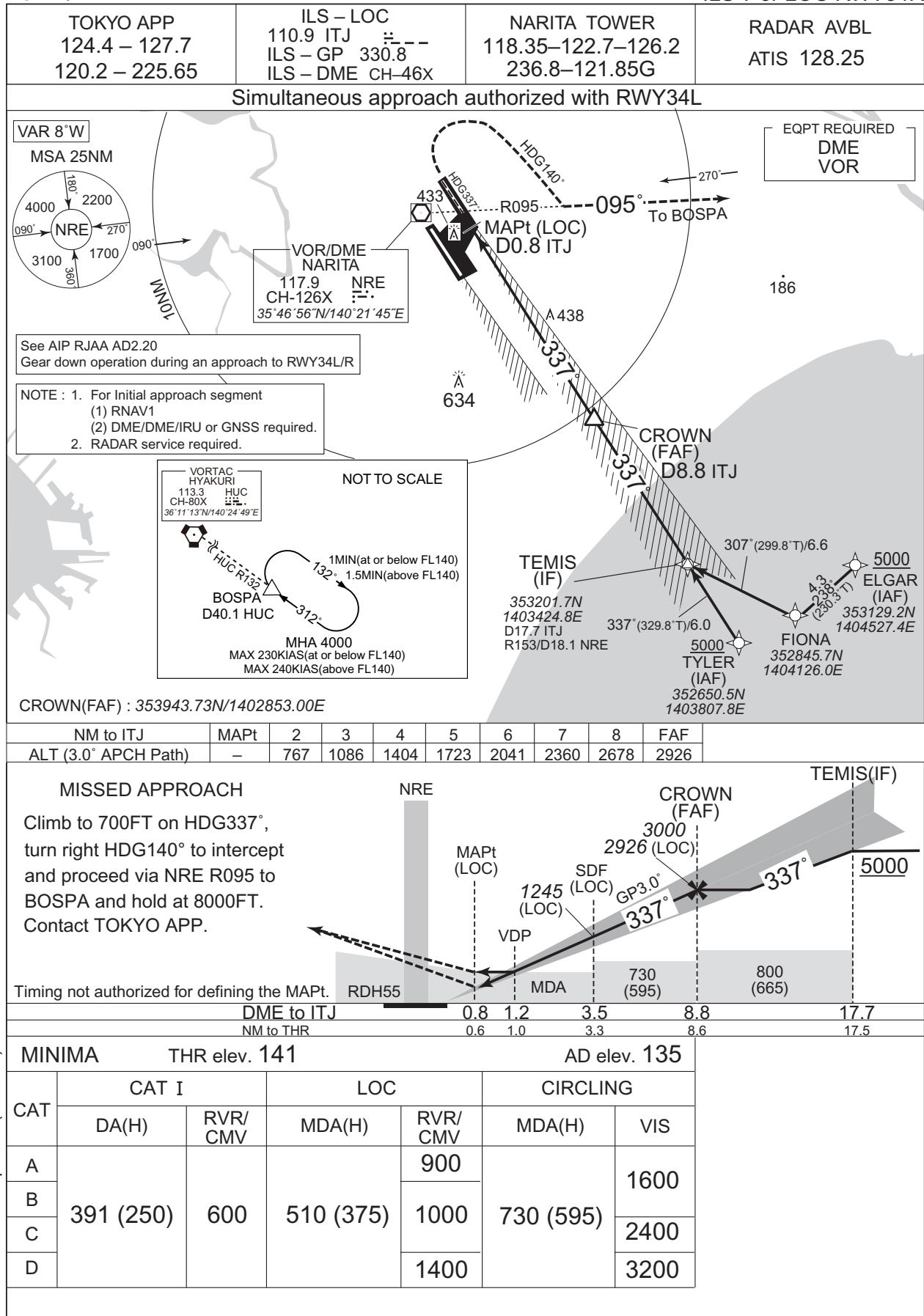
CHANGE : HDG pattern(BOSPA).

| CAT | CAT I     |             | CIRCLING  |      |
|-----|-----------|-------------|-----------|------|
|     | DA(H)     | RVR/<br>CMV | MDA(H)    | VIS  |
| A   |           |             |           | 1600 |
| B   | 391 (250) | 600         | 730 (595) | 2400 |
| C   |           |             |           | 3200 |
| D   |           |             |           |      |

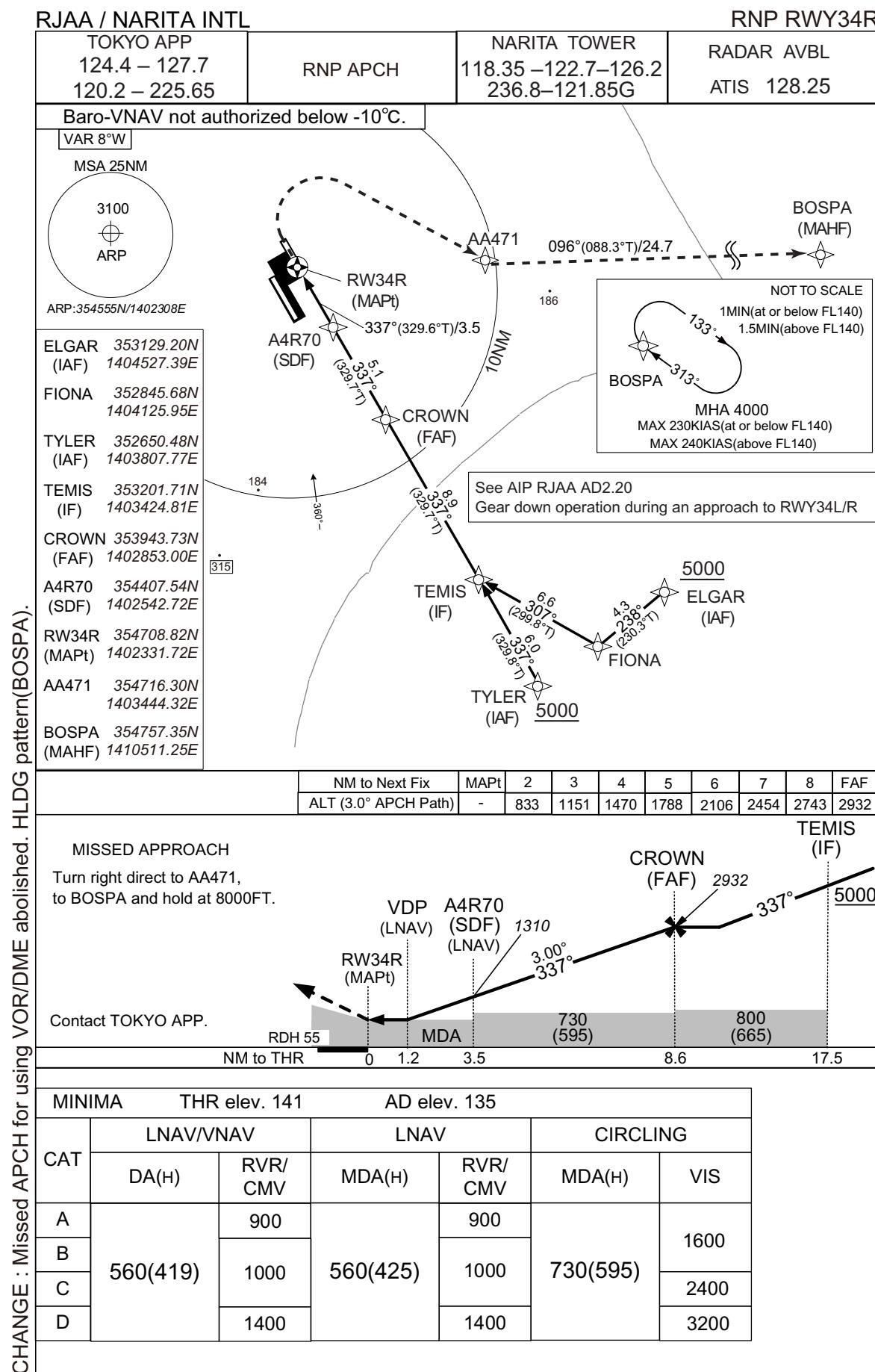
INSTRUMENT APPROACH CHART

RJAA / NARITA INTL

ILS Y or LOC RWY34R



## INSTRUMENT APPROACH CHART

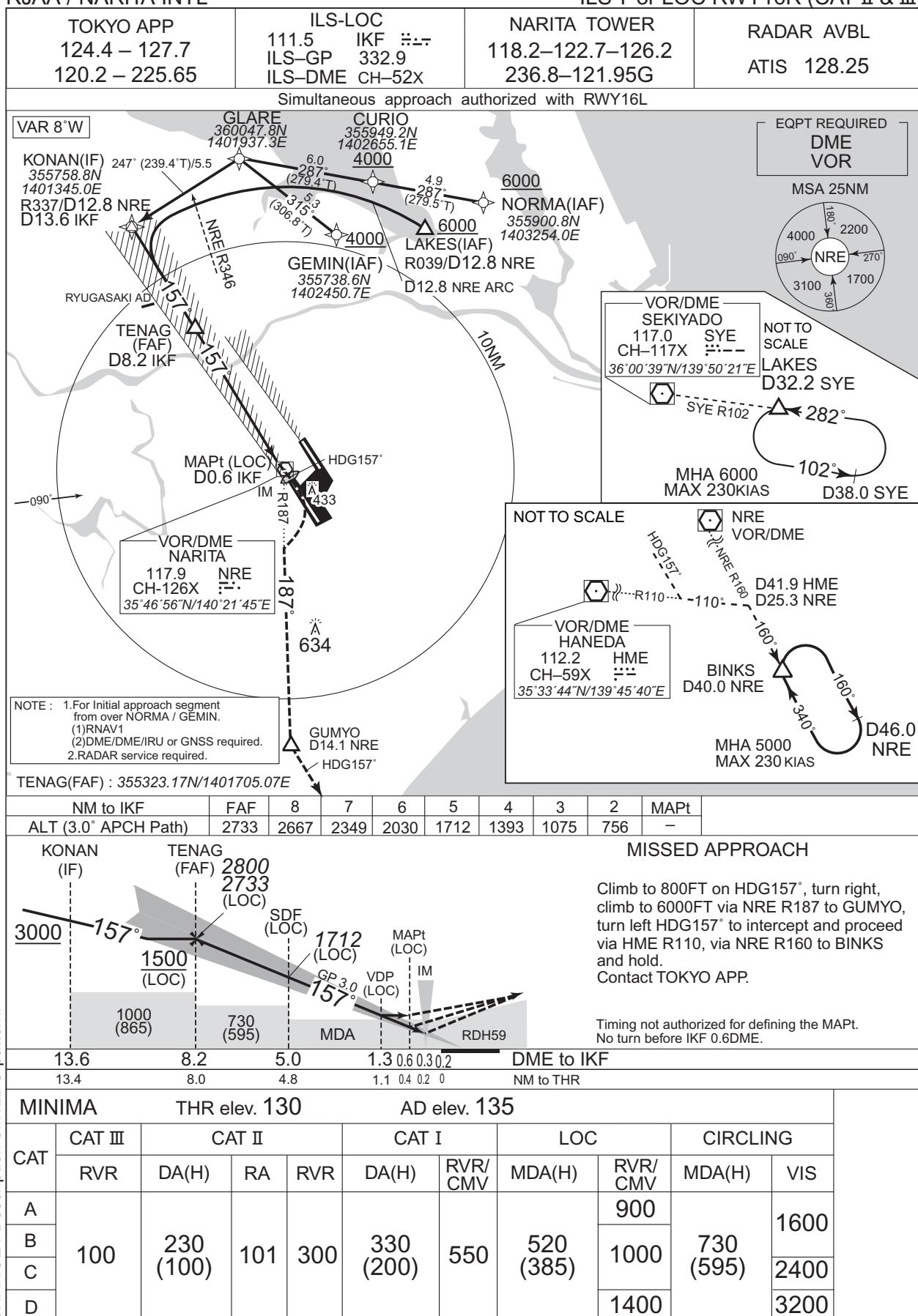


INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJAA / NARITA INTL



CHANGE : Description of HDG pattern.

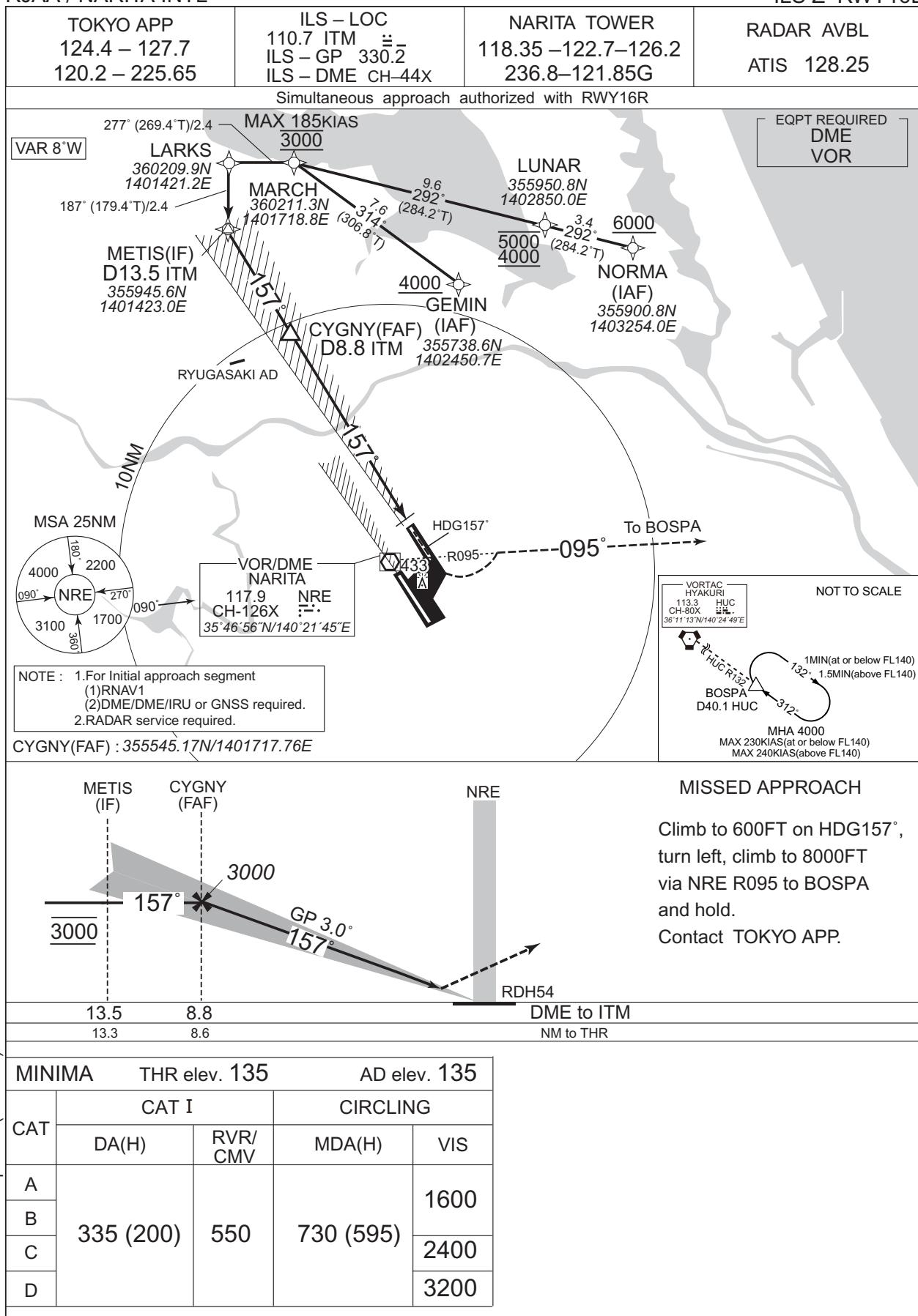
INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJAA / NARITA INTL

ILS Z RWY16L



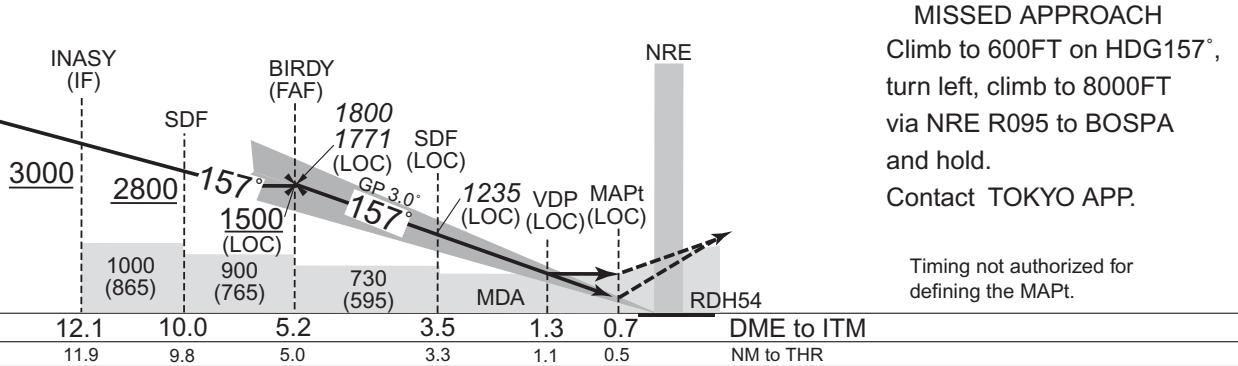
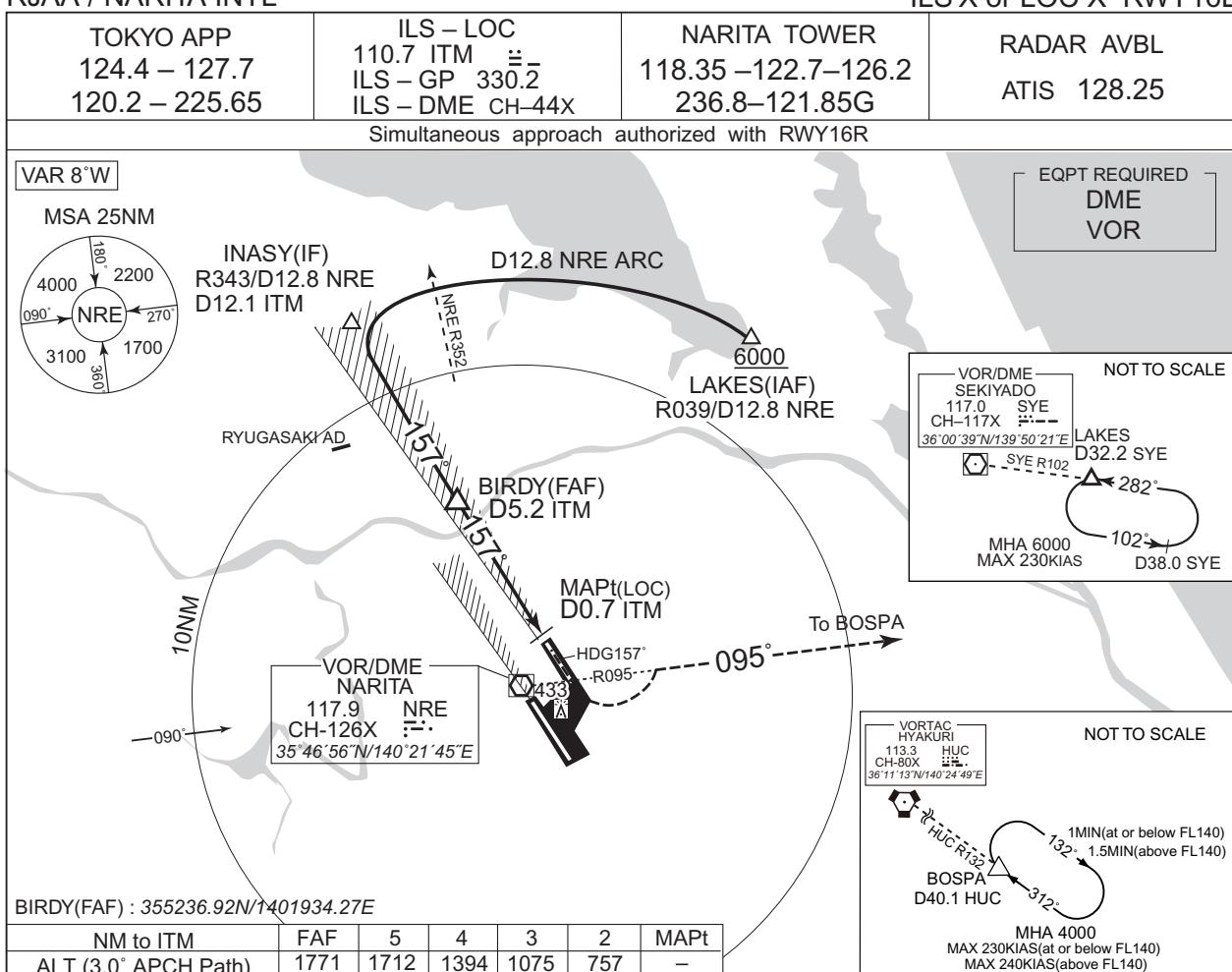
## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJAA / NARITA INTL

ILS X or LOC X RWY16L

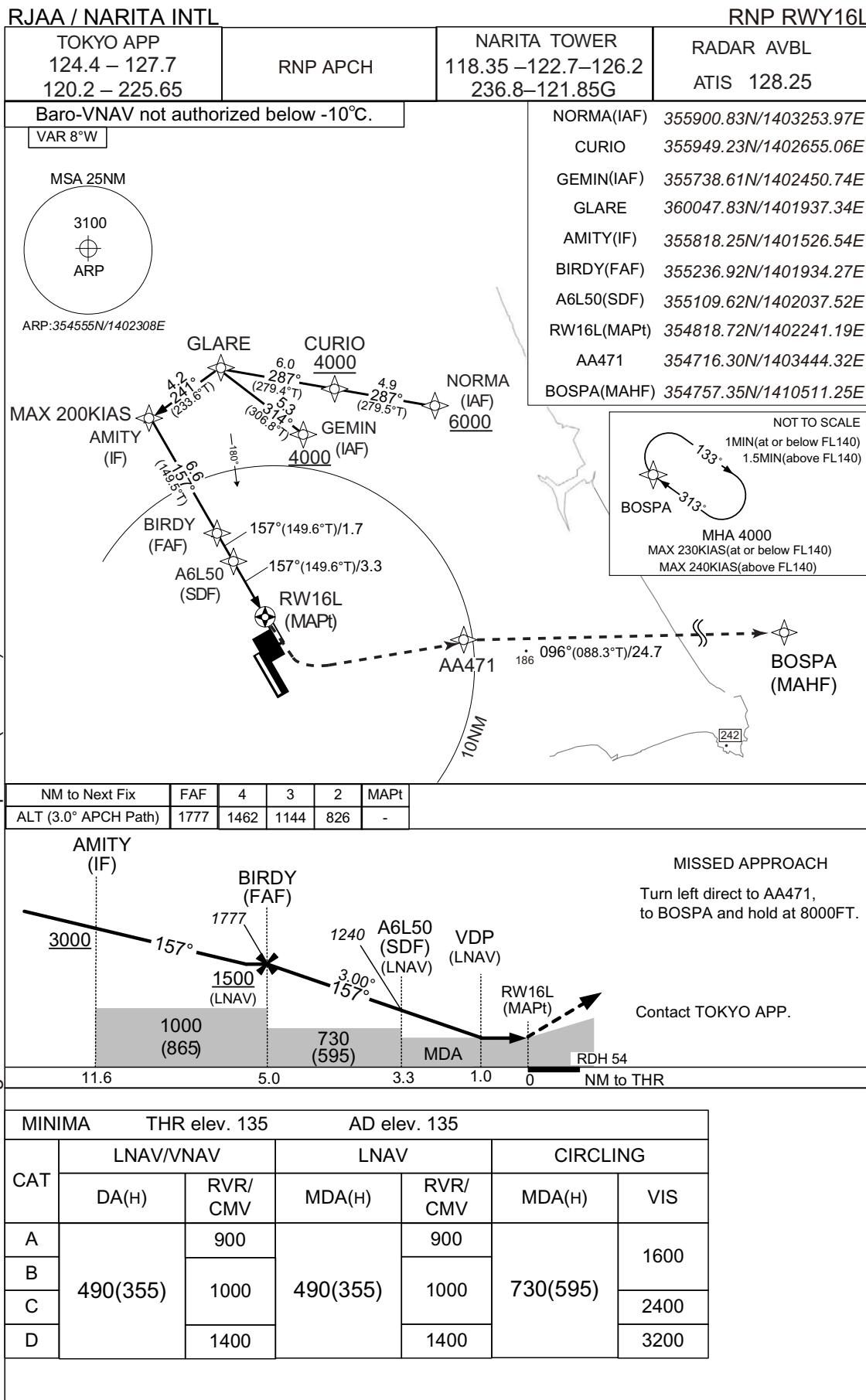


MINIMA                   THR elev. 135                   AD elev. 135

| CAT | CAT I     |         | LOC       |         | CIRCLING  |      |
|-----|-----------|---------|-----------|---------|-----------|------|
|     | DA(H)     | RVR/CMV | MDA(H)    | RVR/CMV | MDA(H)    | VIS  |
| A   |           |         |           | 900     |           | 1600 |
| B   | 335 (200) | 550     | 510 (375) | 1000    | 730 (595) | 2400 |
| C   |           |         |           |         |           | 3200 |
| D   |           |         |           | 1400    |           |      |

CHANGE : HLDG pattern(BOSPA)

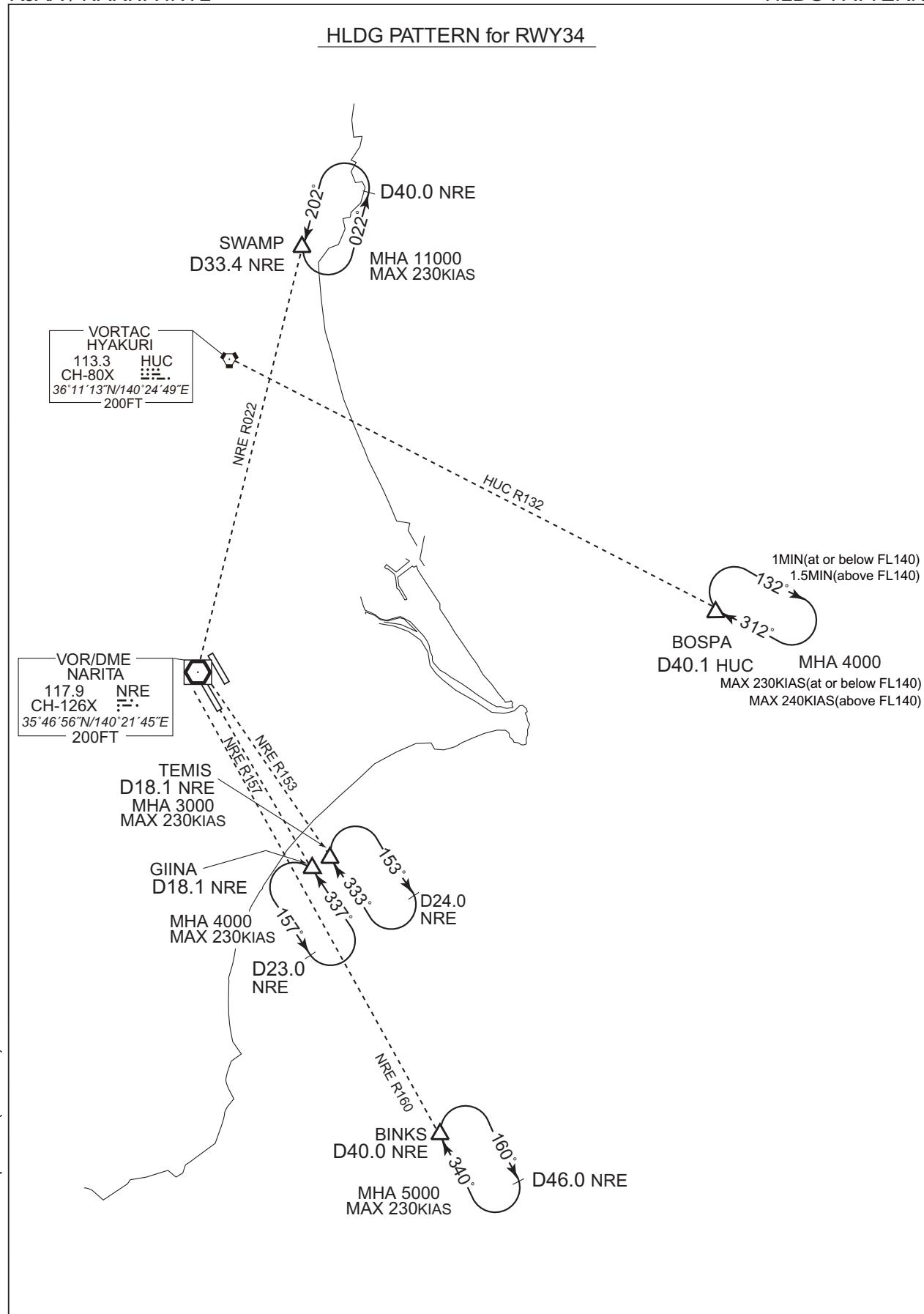
INSTRUMENT APPROACH CHART



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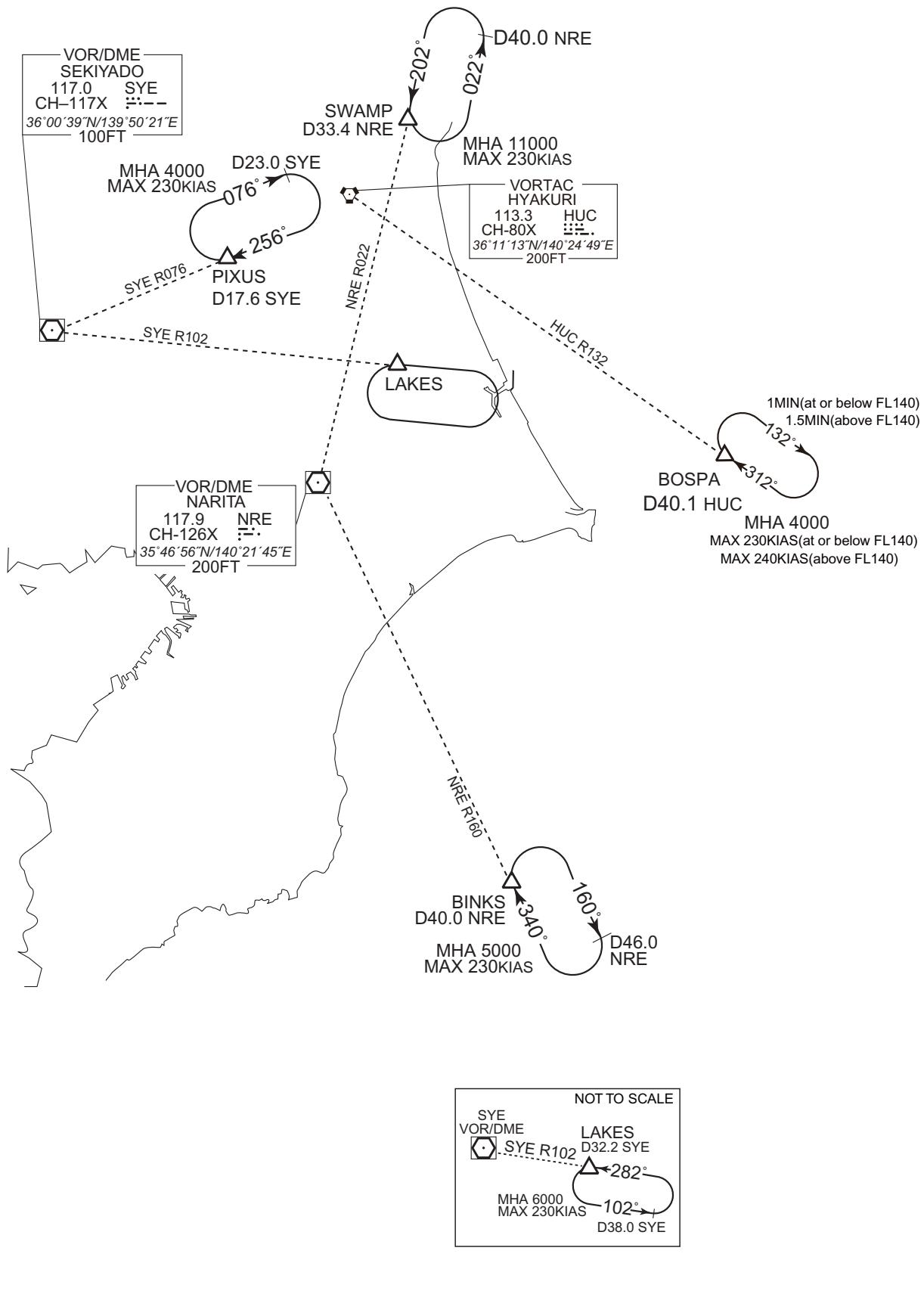
RJAA / NARITA INTL

HLDG PATTERN



RJAA / NARITA INTL

HLDG PATTERN

HLDG PATTERN for RWY16

RJAA / NARITA INTL

RNAV HLDG PATTERN



## RJAA / NARITA INTL

## RNAV HLDG PATTERN

| Path | Waypoint Identifier | Inbound Course °M(T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | AQUOS               | 037 (029.1)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 5000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | BARON               | 277 (270.0)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | CASIO               | 316 (308.6)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | COPEN               | 018 (010.5)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | CORGI               | 223 (215.8)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ELGAR               | 223 (215.7)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | GAUDI               | 358 (351.0)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | GEMIN               | 317 (309.1)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | KARMA               | 168 (160.3)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LUBLA               | 341 (333.9)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 5000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | NORMA               | 308 (300.0)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | PEAKS               | 298 (290.2)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | PLEIA               | 141 (133.1)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 9000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | RUTAS               | 065 (057.9)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | SUPOK               | 276 (268.6)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 5000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | SWAMP               | 205 (197.0)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 11000                 | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | TYLER               | 337 (329.8)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | VENUS               | 013 (005.8)          | -7.5               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(T) | Magnetic Variation | Outbound Time (MIN)        | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 |
|------|---------------------|----------------------|--------------------|----------------------------|----------------|-----------------------|-----------------------|------------------------------|
| Hold | BOSPA               | 313 (305.7)          | -7.8               | 1.0(-14000)<br>1.5(+14001) | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) |

CHANGE : HLDG pattern(BOSPA) added.

RJAA / NARITA INTL

RNAV HLDG PATTERN

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| AQUOS               | 351229.7N / 1410942.5E | LUBLA               | 353235.0N / 1412550.8E |
| BARON               | 354551.0N / 1410112.0E | NORMA               | 355900.8N / 1403254.0E |
| CASIO               | 355021.4N / 1403556.1E | PEAKS               | 352507.2N / 1404352.7E |
| COPEN               | 353303.7N / 1404939.2E | PLEIA               | 360734.8N / 1404745.4E |
| CORGI               | 353829.8N / 1405138.9E | RUTAS               | 344349.3N / 1404034.2E |
| ELGAR               | 353129.2N / 1404527.4E | SUPOK               | 354614.1N / 1412810.0E |
| GAUDI               | 353002.4N / 1410418.1E | SWAMP               | 361914.4N / 1403217.0E |
| GEMIN               | 355738.6N / 1402450.7E | TYLER               | 352650.5N / 1403807.8E |
| KARMA               | 355042.9N / 1405512.4E | VENUS               | 350440.1N / 1404309.7E |

| Waypoint Identifier | Coordinates            |
|---------------------|------------------------|
| BOSPA               | 354757.4N / 1410511.3E |

CHANGE : BOSPA added.

RJAA / NARITA INTL

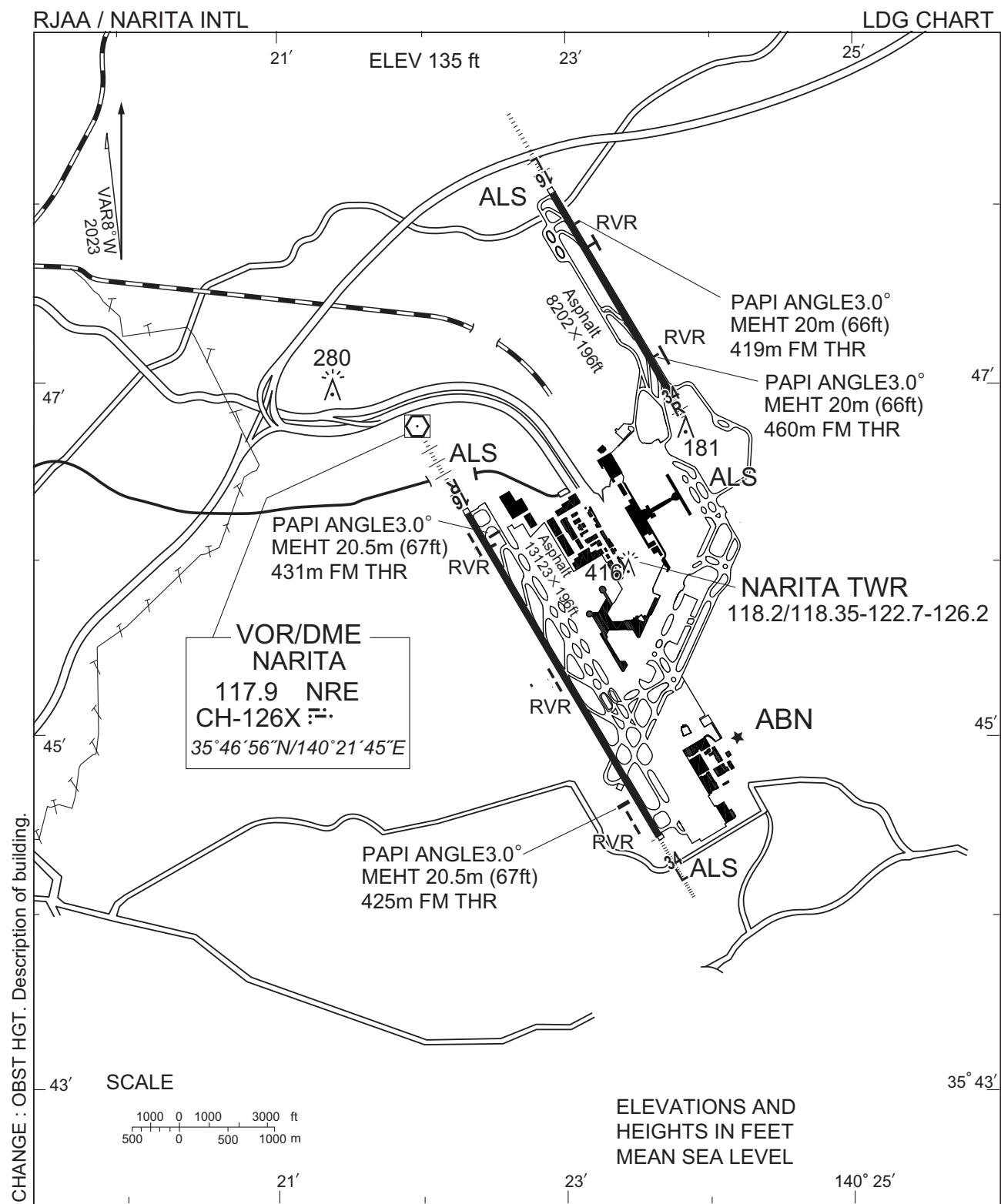
Visual REP



※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).

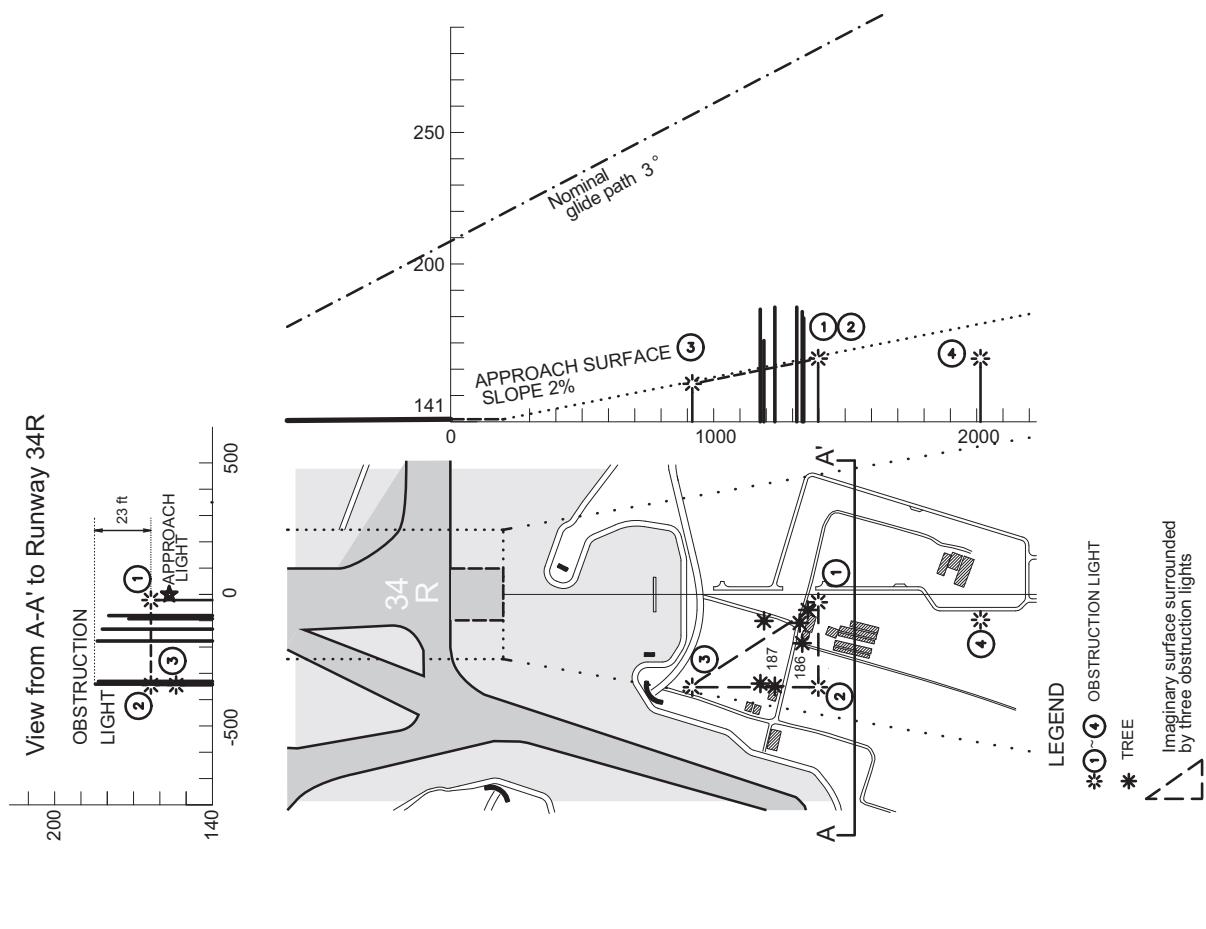
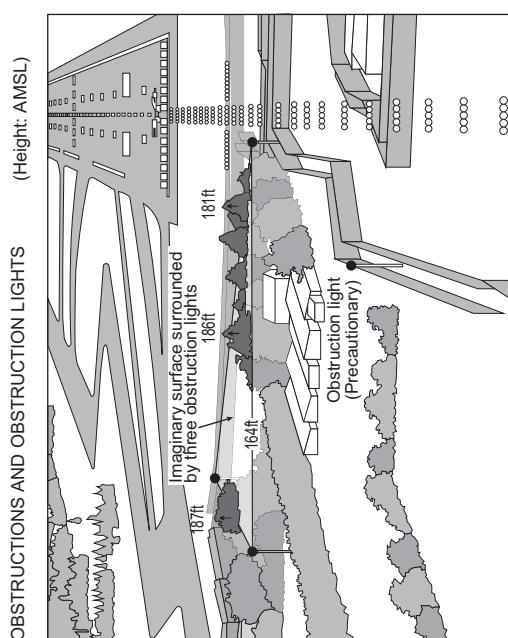
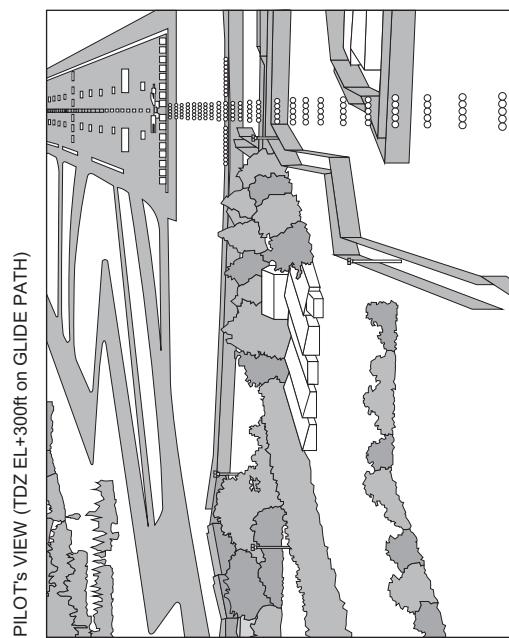
CHANGE : Visual REP abolished(Radisson).

| Call sign                        | BRG / DIST from ARP | Remarks                                       |
|----------------------------------|---------------------|---|
| 大栄<br>Taiei                      | 036°T / 5.3NM       | 東関東自動車道大栄インターチェンジ<br>Interchange              |
| 赤池<br>Akaike                     | 061°T / 3.9NM       | 赤池交差点<br>Akaike Intersection                  |
| 甚兵衛<br>Jinbei                    | 284°T / 6.8NM       | 甚兵衛大橋<br>Jinbei Bridge                        |
| 山田<br>Yamada                     | 083°T / 7.0NM       | 山田ARSRサイト<br>Yamada ARSR Site                 |
| 成田<br>Narita                     | 282°T / 3.6NM       | JR成田駅<br>JR Narita Station                    |
| ダイナミック<br>Dynamic                | 092°T / 2.5NM       | ダイナミックゴルフ俱楽部クラブハウス<br>Dynamic Golf Club House |
| ランチ<br>Lunch                     | 216°T / 2.9NM       | 給食センター<br>Lunch Center                        |
| 富里<br>Tomisato                   | 225°T / 4.4NM       | 富里第二工業団地<br>Industrial Park                   |
| 酒々井<br>Shisui                    | 236°T / 5.9NM       | 酒々井パーキングエリア<br>Parking Area                   |
| 佐倉インターチェンジ<br>Sakura Interchange | 237°T / 8.6NM       | 東関東自動車道佐倉インターチェンジ<br>Interchange              |
| 八街<br>Yachimata                  | 208°T / 7.0NM       | JR八街駅<br>JR Station                           |



RJAA / NARITA INTL

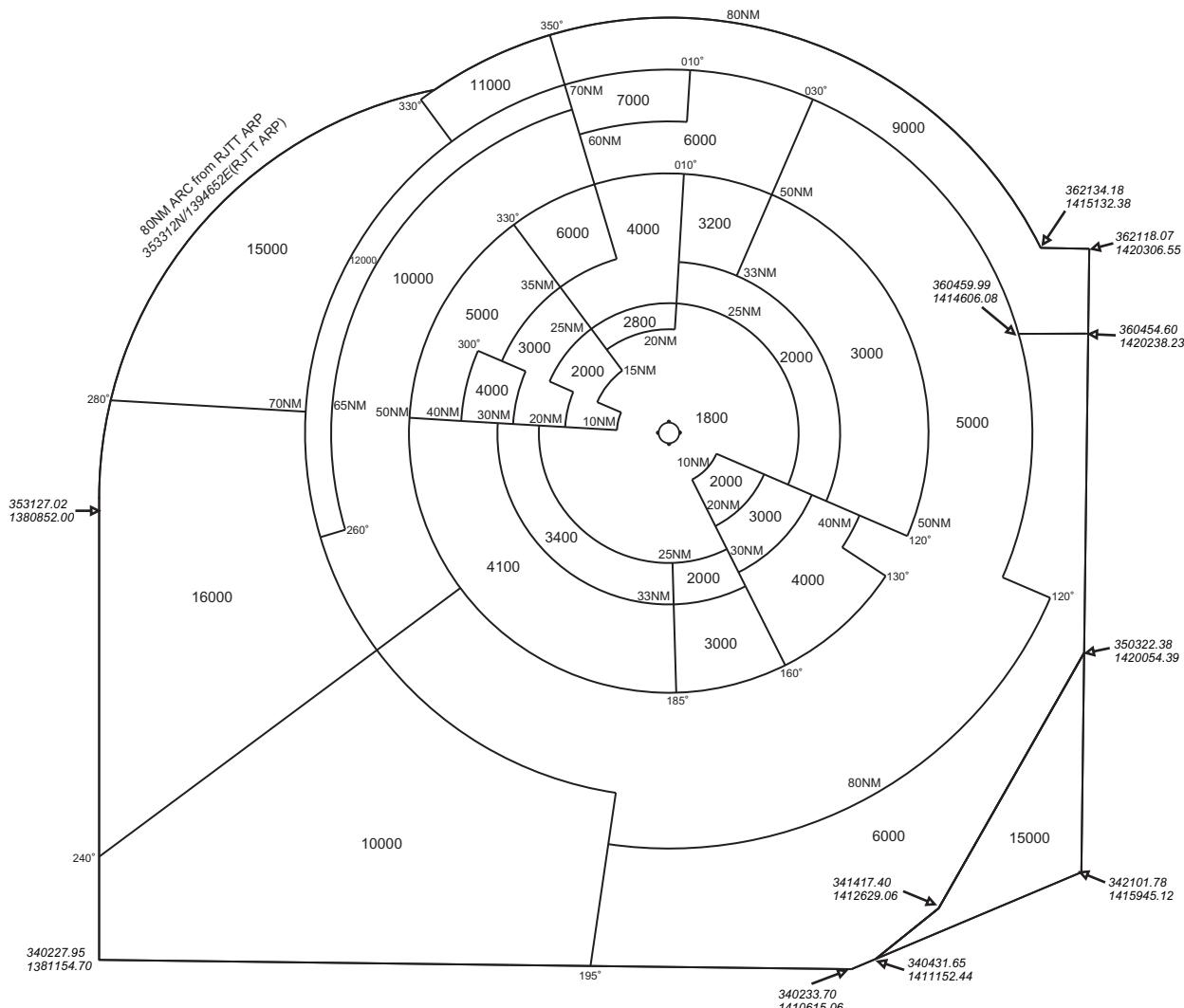
LDG CHART (Trees existence on final approach area of Runway 34R)



RJAA / NARITA INTL

## Minimum Vectoring Altitude CHART

VAR 8° W(2023)



CENTER : 354555N/1402308E(RJAA ARP)

CHANGE : VAR.

**INTENTIONALLY LEFT BLANK**