

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

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 GUARD LIGHTS

RUNWAY GUARD LIGHTS
(FLASHING YELLOW)

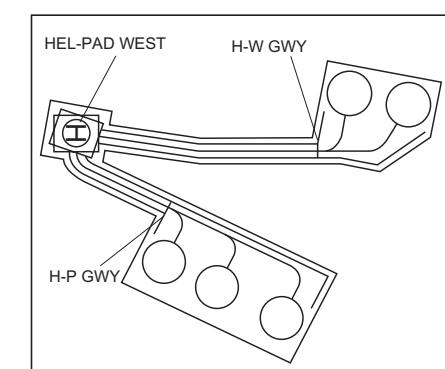
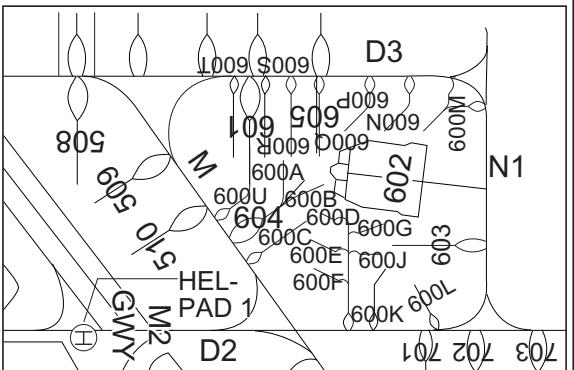
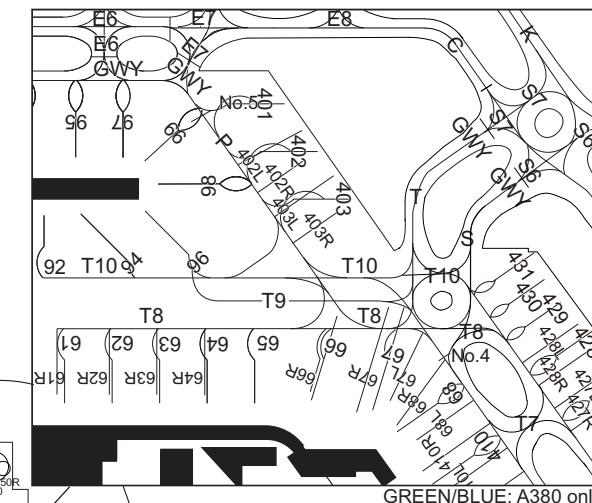
STOP BAR LIGHTS RE

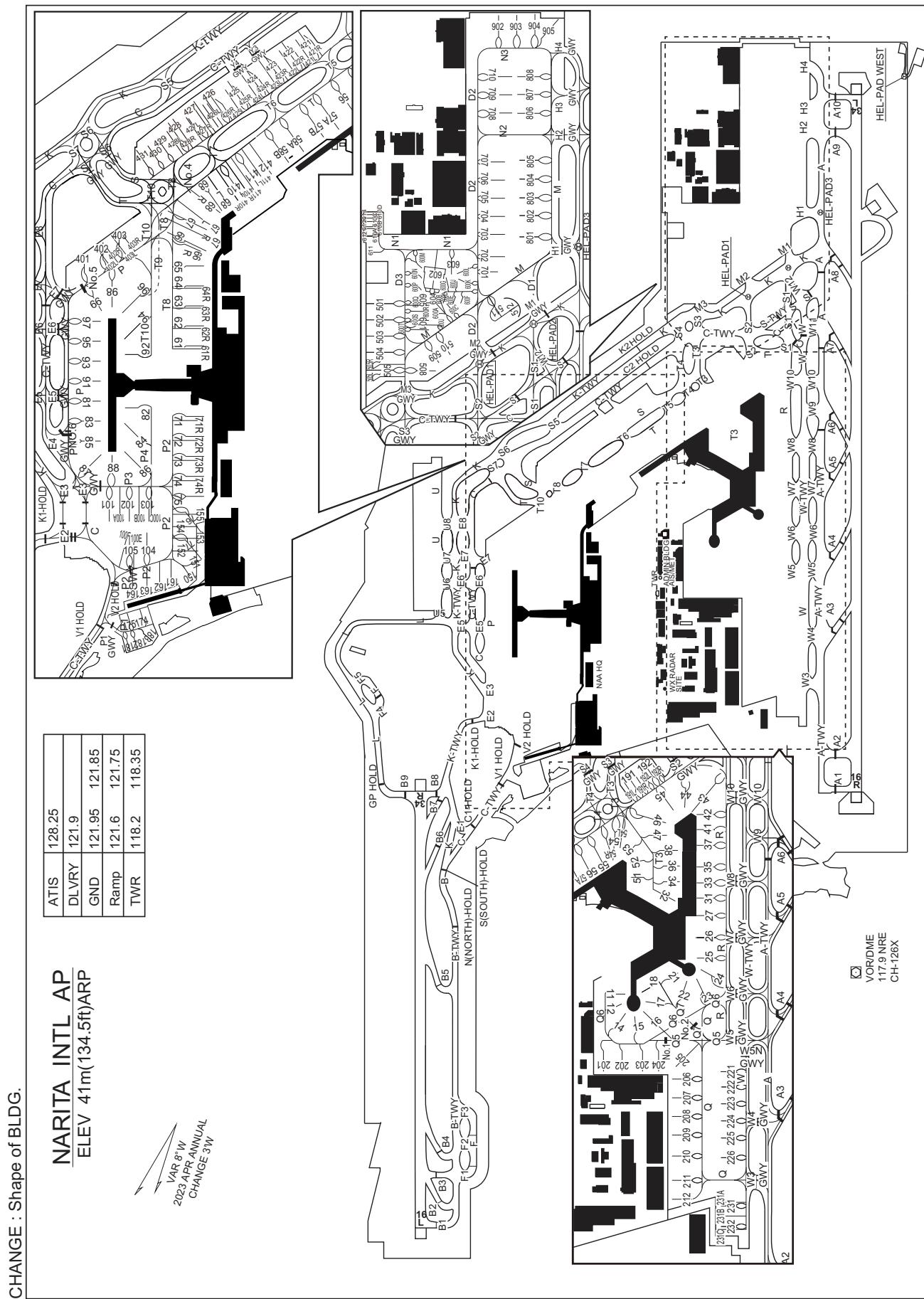
RUNWAY SIDE RUNWAY GUARD LIGHTS (FLASHING YELLOW)

A3-A8, B1-B9

RUNWAY SIDE RUNWAY GUARD LIGHT (FLASHING YELLOW)

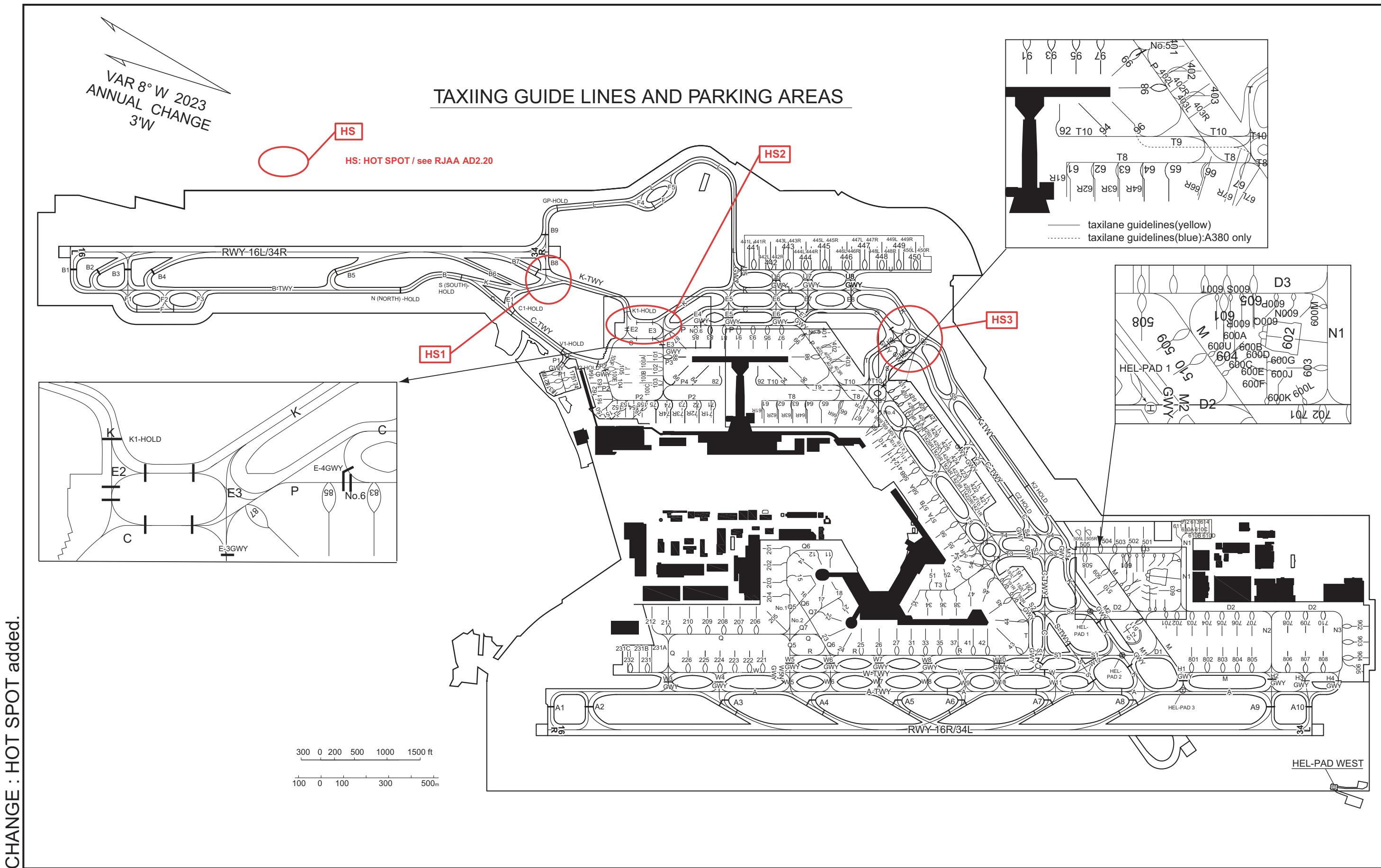
A3-A10, B1-B10





INTENTIONALLY LEFT BLANK

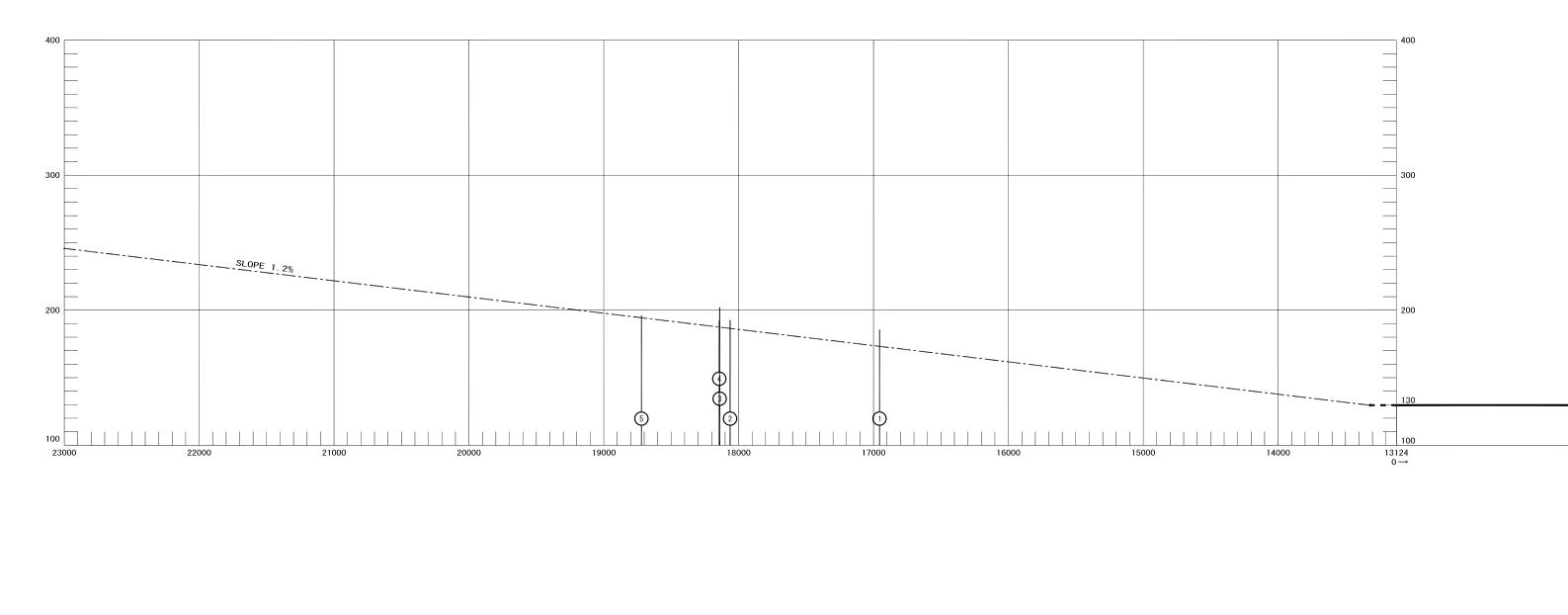
TAXIING GUIDE LINES AND PARKING AREAS



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC
MAGNETIC VARIATION 8° W-FEB 2023

FT M

VERTICAL SCALE



AERODROME OBSTRUCTION CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

NARITA INTERNATIONAL AIRPORT
RWY : 16R/34L

DECLARED DISTANCES

RWY 16R

4000m TAKE-OFF RUN AVAILABLE

4000m TAKE-OFF DISTANCE AVAILABLE

4000m ACCELERATE STOP DISTANCE AVAILABLE

4000m LANDING DISTANCE AVAILABLE

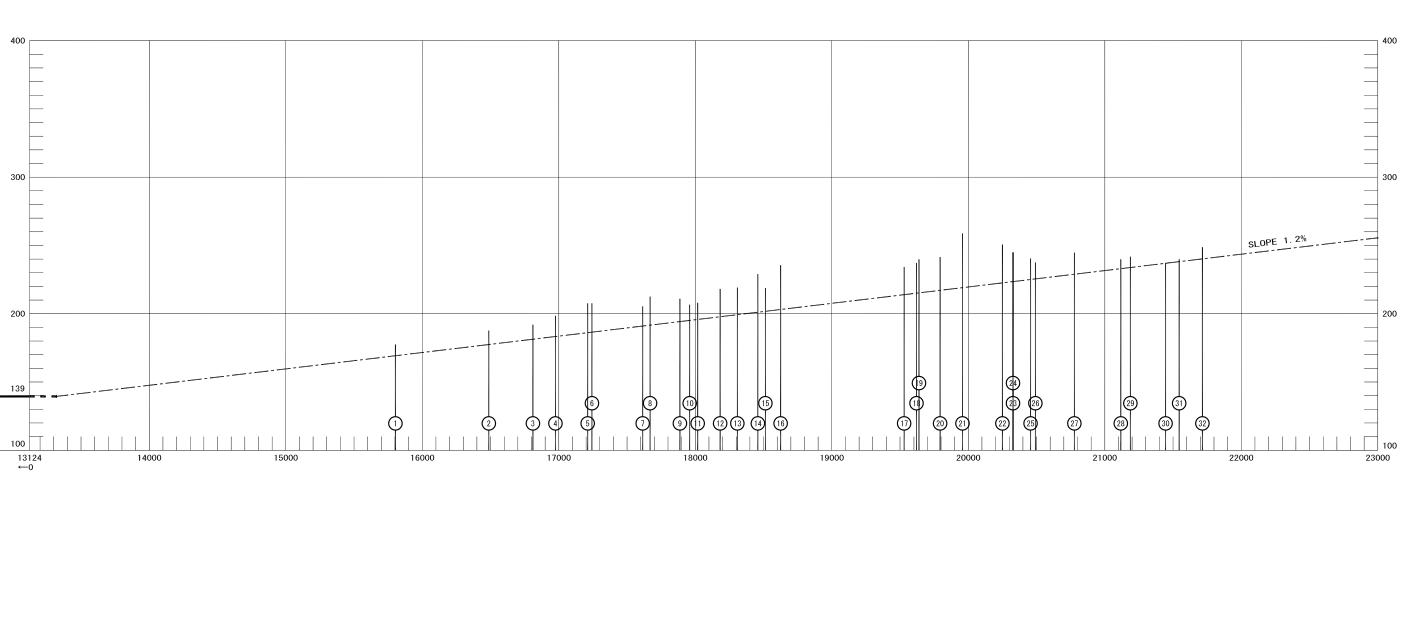
RWY 34L

4000m TAKE-OFF RUN AVAILABLE

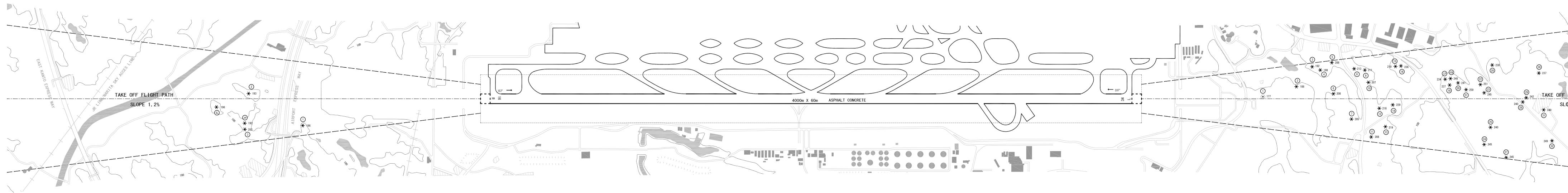
4000m TAKE-OFF DISTANCE AVAILABLE

4000m ACCELERATE STOP DISTANCE AVAILABLE

4000m LANDING DISTANCE AVAILABLE



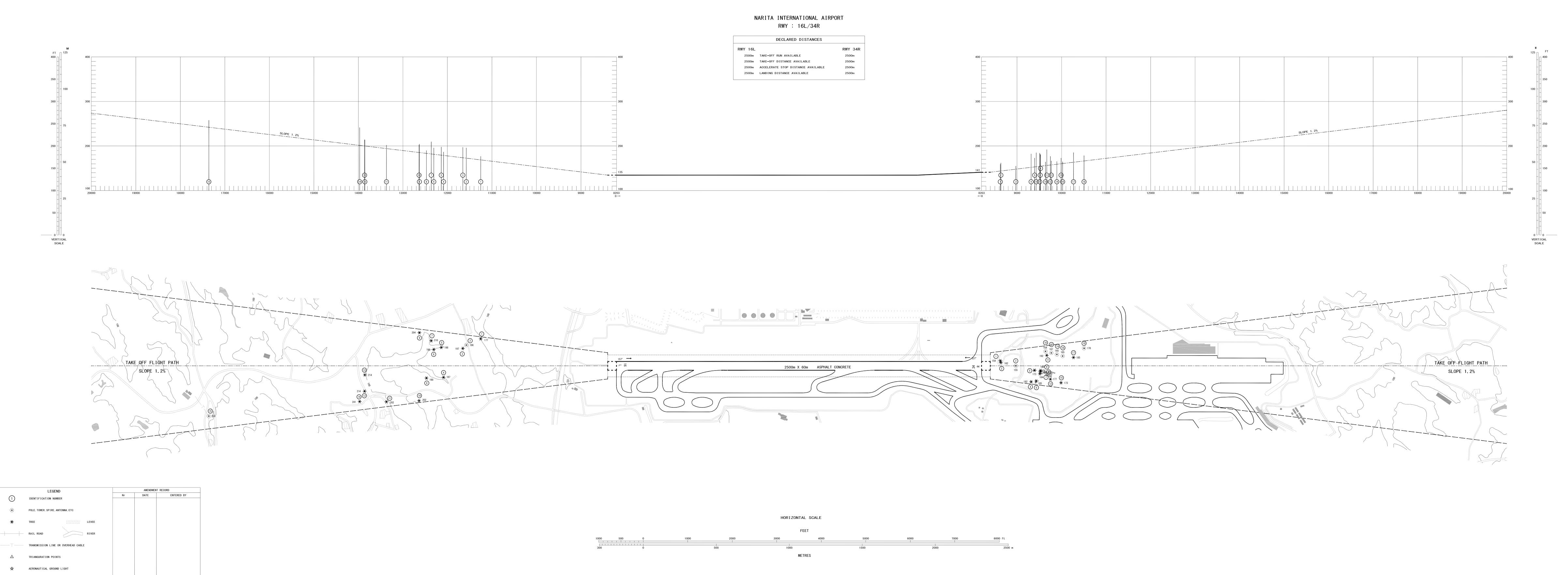
VERTICAL SCALE



CHANGE:Update

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC
MAGNETIC VARIATION 8° W-FEB 2023

AERODROME OBSTRUCTION CHART-ICAO
TYPE A (OPERATING LIMITATIONS)



AERODROME OBSTRUCTION CHART-ICAO

DIMENSIONS AND ELEVATION IN FEET BEARINGS ARE MAGNETIC



CHANGE : FFM relocated.



STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

SID

SAKURA FIVE DEPARTURE

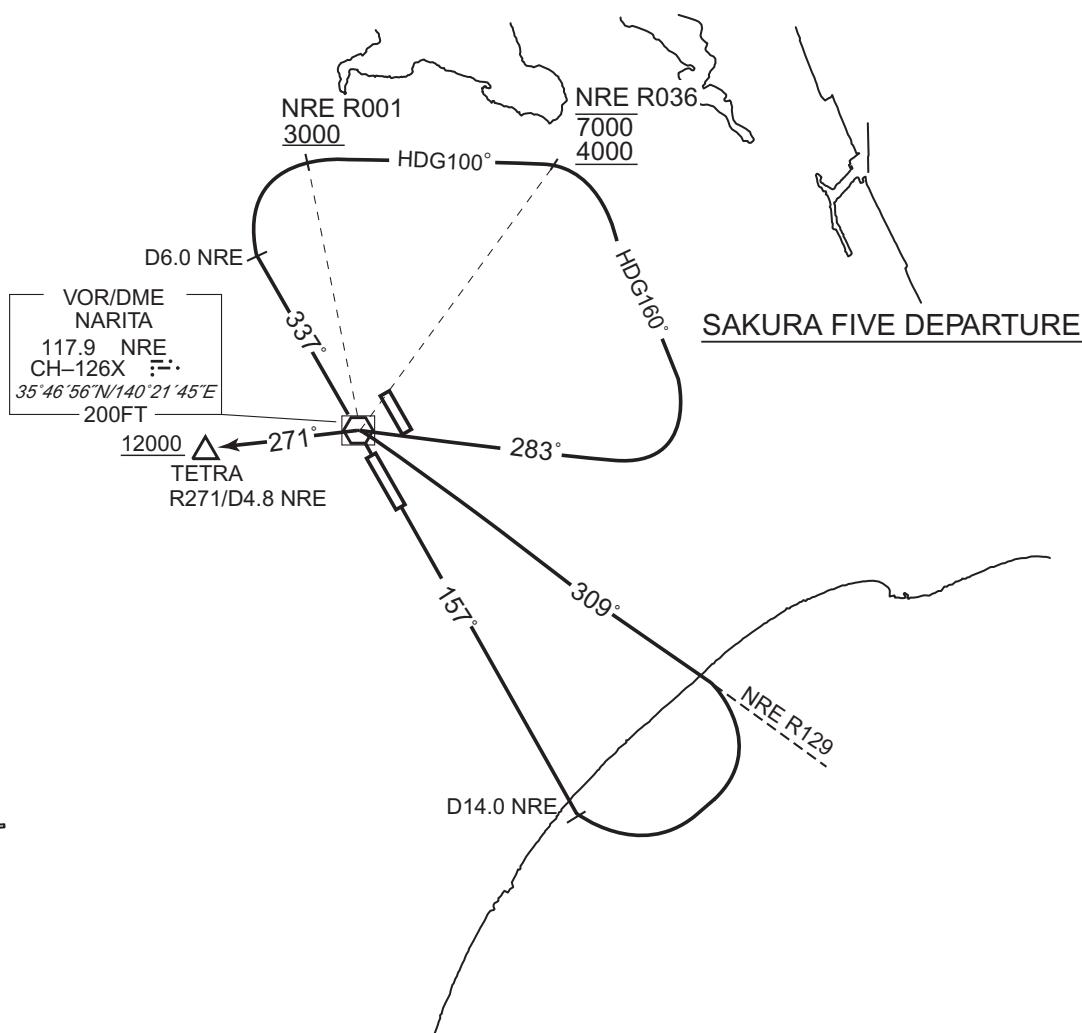
RWY 16R : Climb via NRE R157 to 14.0DME, turn left to intercept and proceed via NRE R129 to NRE VOR/DME, via NRE R271 to TETRA.
Cross TETRA at or above 12000FT.

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

TETRA EIGHT DEPARTURE

RNAV1

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

※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.

2) RADAR service required.

Critical DME

RWY16R : TLD DER - 1.3NM FM DER

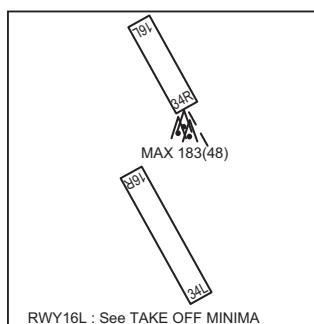
DME GAP

RWY34L : DER - 1.3NM FM DER

Inappropriate Navaids

See AD1.1.6.10.3. Inappropriate NAV AIDS for RNAV1

VAR 8° W

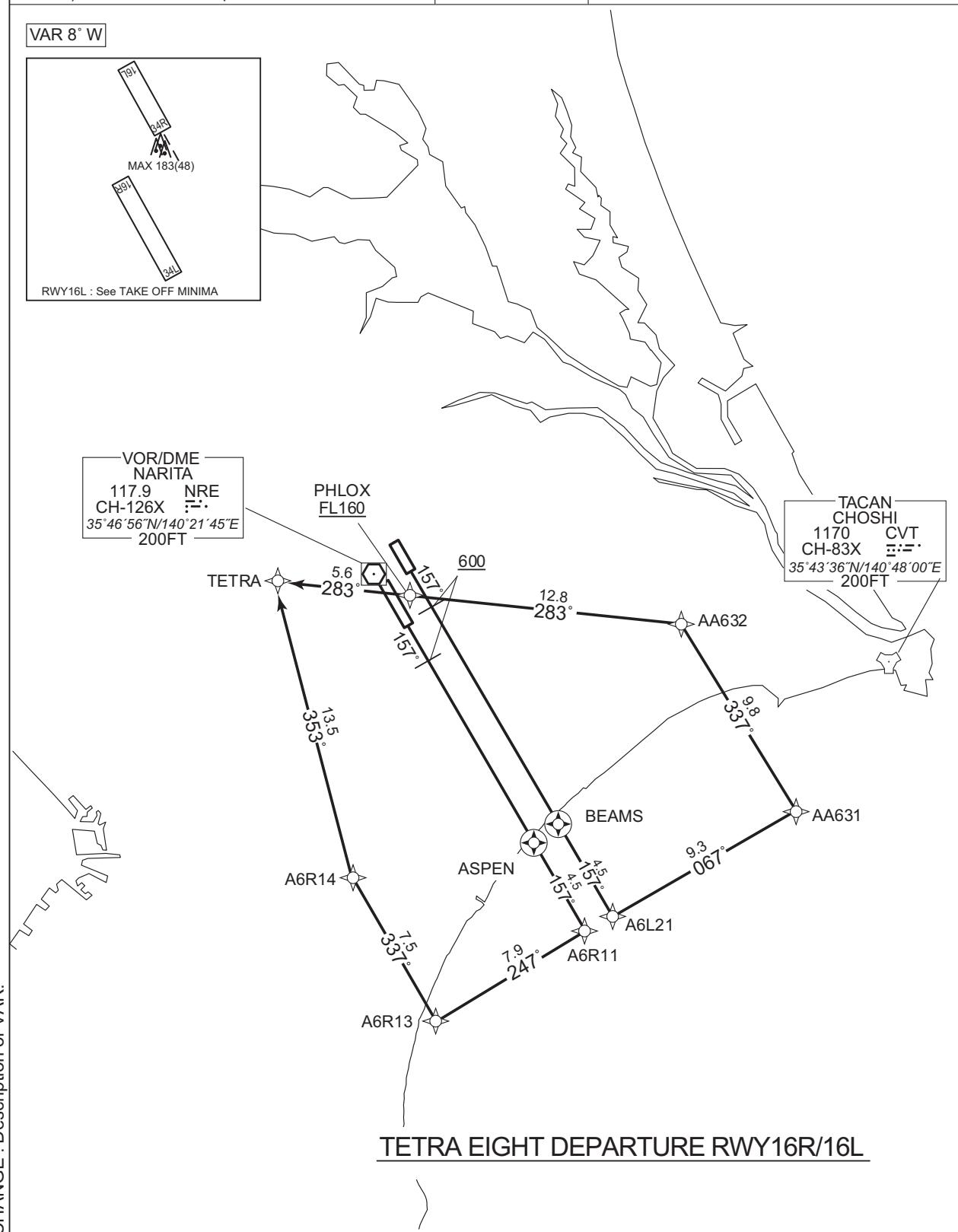


CHANGE : Description of VAR.

VOR/DME
NARITA
117.9 NRE
CH-126X 200FT
35°46'56"N/140°21'45"E

PHLOX
FL160

TACAN
CHOSHII
1170 CVT
CH-83X 200FT
35°43'36"N/140°48'00"E



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 (149.6) | -7.5 | — | — | +600 | — | — | RNAV1 |
| 002 | DF | ASPEN | Y | — | -7.5 | — | — | — | — | — | RNAV1 |
| 003 | TF | A6R11 | — | 157 (149.7) | -7.5 | 4.5 | — | — | — | — | RNAV1 |
| 004 | TF | A6R13 | — | 247 (239.5) | -7.5 | 7.9 | — | — | — | — | RNAV1 |
| 005 | TF | A6R14 | — | 337 (329.6) | -7.5 | 7.5 | — | — | — | — | RNAV1 |
| 006 | TF | TETRA | — | 353 (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 (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 | PHLOX | — | 283 (275.3) | -7.5 | 12.8 | — | +FL160 | — | — | RNAV1 |
| 007 | TF | TETRA | — | 283 (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 (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 | ASTON | - | 240 (232.1) | -7.5 | 15.5 | - | - | - | - | RNAV1 |
| 009 | TF | TETRA | - | 297 (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 (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 | ASTON | - | 227 (219.2) | -7.5 | 9.9 | - | - | - | - | RNAV1 |
| 008 | TF | TETRA | - | 297 (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. ※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. 2) RADAR service required. | Critical DME | RWY16R:TLD DER – 1.3NM FM DER 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>VAR 8° W</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>REDEK TWO DEPARTURE RWY16R/16L</p> <p>VOR/DME NARITA 117.9 NRE CH-126X 35°46'56"N/140°21'45"E 200FT</p> <p>TACAN CHOSHI 1170 CVT CH-83X 35°43'36"N/140°48'00"E 200FT</p> <p>TACAN ONJUKU 1191 OJT CH-104X 35°11'03"N/140°22'17"E 400FT</p> | | |

CHANGE : Description of VAR.

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 |

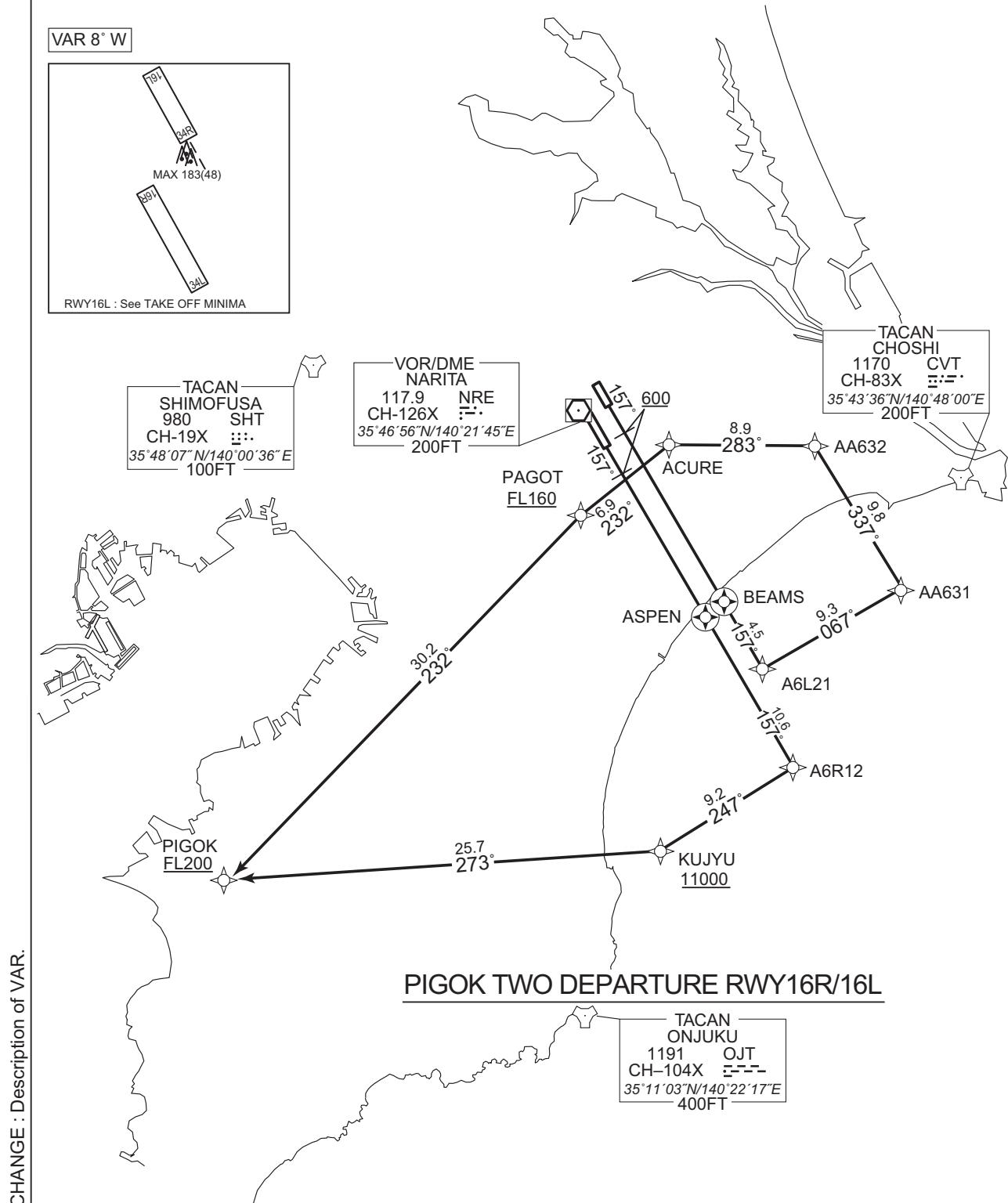
CHANGE : New PROC

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

| PIGOK TWO DEPARTURE | | RNAV1 |
|--|-----------------------|--|
| Note 1) DME/DME/IRU or GNSS required. ※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. 2) RADAR service required. | Critical DME | RWY16R:TLD DER – 1.3NM FM DER 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 (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 | PIGOK | — | 273 (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 (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 | PIGOK | — | 232 (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 (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 | ADRIA | — | 197 (189.9) | -7.5 | 11.4 | — | — | — | — | RNAV1 |
| 010 | TF | ROSSO | — | 257 (249.8) | -7.5 | 10.0 | — | — | — | — | RNAV1 |
| 011 | TF | PIGOK | — | 257 (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 (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 | ROSSO | — | 204 (196.9) | -7.5 | 12.4 | — | +11000 | — | — | RNAV1 |
| 009 | TF | PIGOK | — | 257 (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.
 ※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.
 2) RADAR service required.

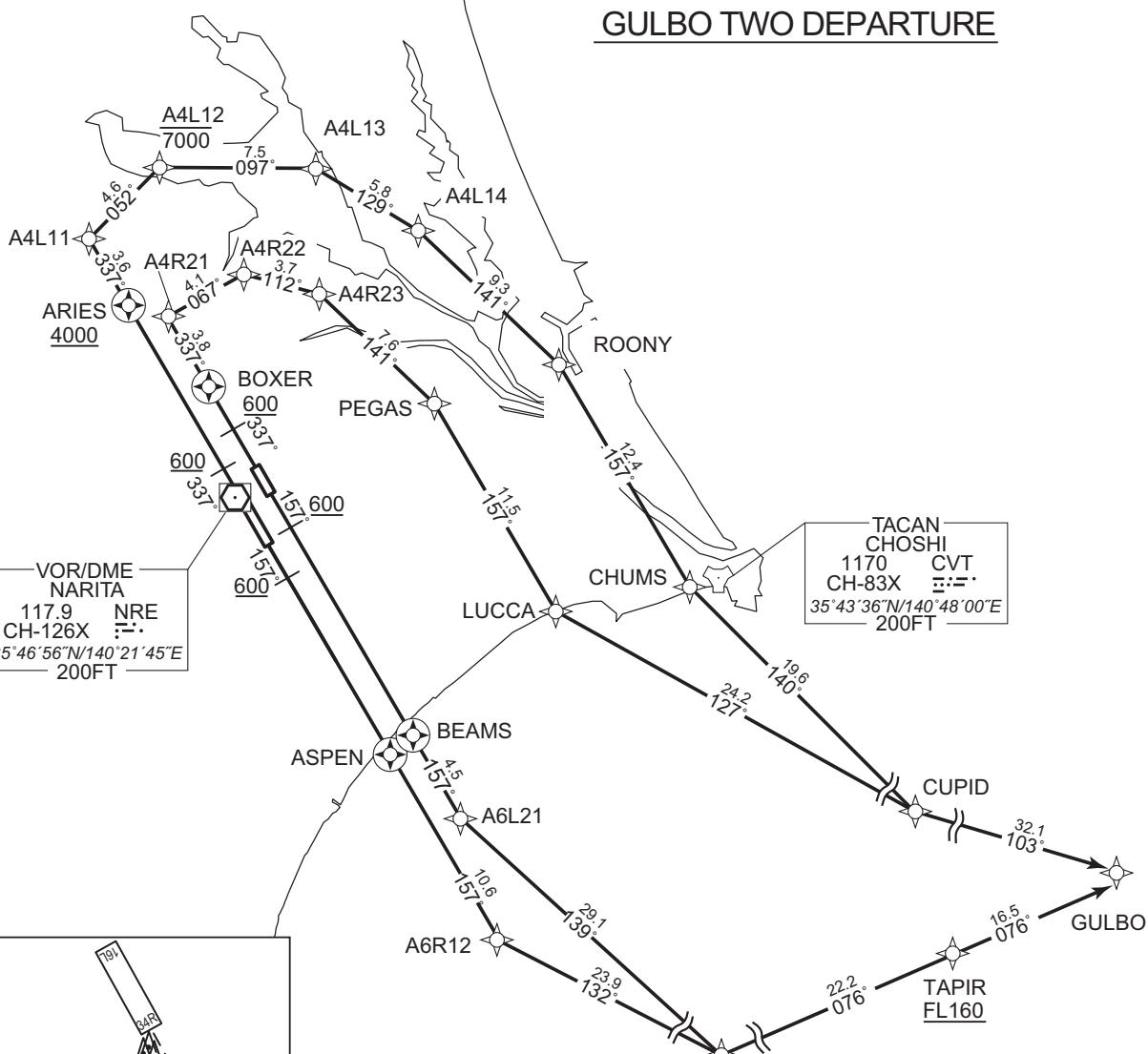
Critical DME RWY16R:TLD DER – 1.3NM FM DER
 RWY16L:TLD DER – 3.4NM FM DER

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.

RWY16L : See TAKE OFF MINIMA

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 (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 | OLVAN | — | 132 (124.2) | -7.5 | 23.9 | — | — | — | — | RNAV1 |
| 005 | TF | TAPIR | — | 076 (068.0) | -7.5 | 22.2 | — | +FL160 | — | — | RNAV1 |
| 006 | TF | GULBO | — | 076 (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 (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 | OLVAN | — | 139 (131.8) | -7.5 | 29.1 | — | — | — | — | RNAV1 |
| 005 | TF | TAPIR | — | 076 (068.0) | -7.5 | 22.2 | — | +FL160 | — | — | RNAV1 |
| 006 | TF | GULBO | — | 076 (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

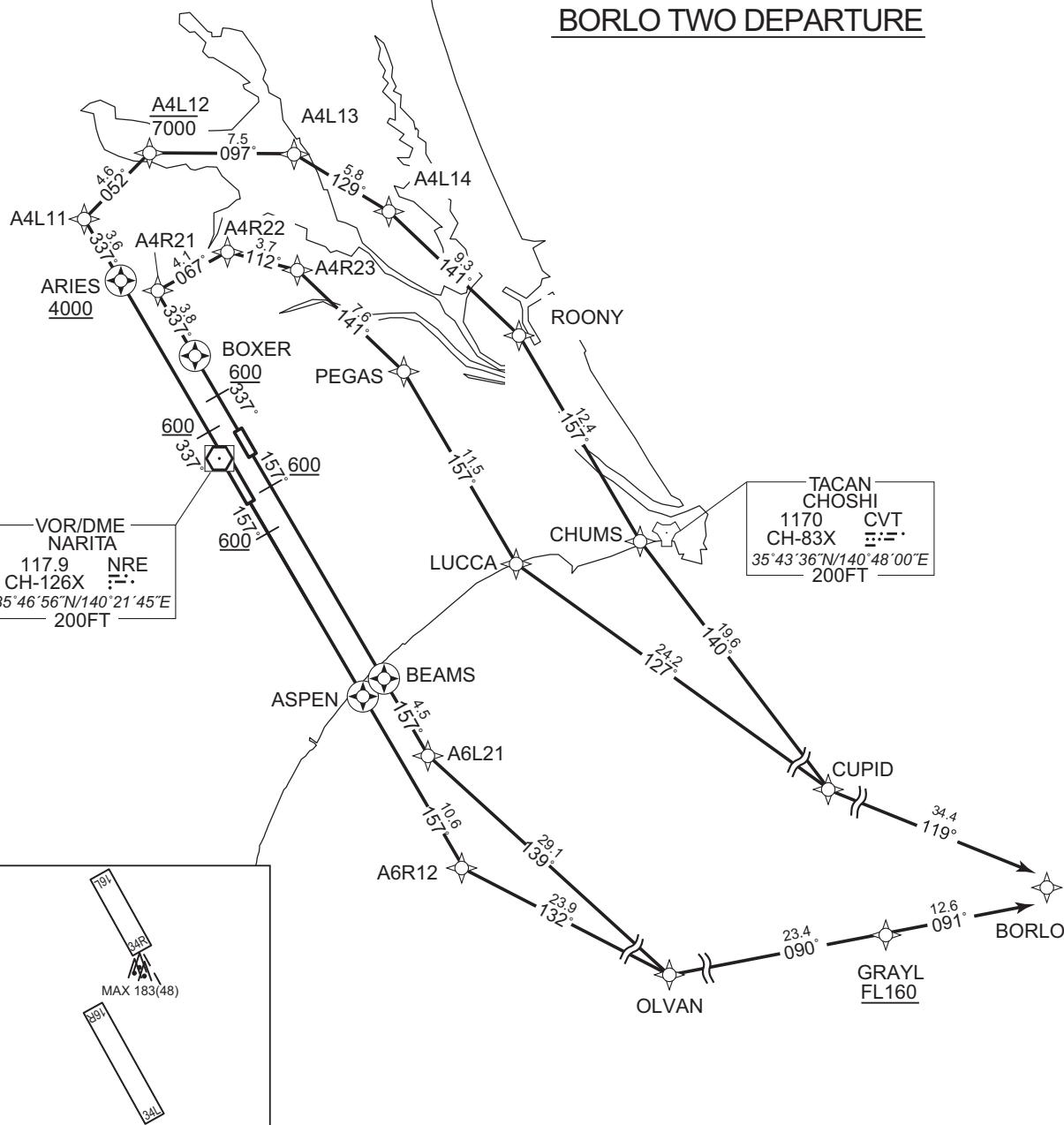
RJAA / NARITA INTL

RNAV SID

| BORLO TWO DEPARTURE | | RNAV1 |
|--|-----------------------|--|
| Note 1) DME/DME/IRU or GNSS required. ※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. 2) RADAR service required. | Critical DME | RWY16R:TLD DER – 1.3NM FM DER 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



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 (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 | OLVAN | — | 132 (124.2) | -7.5 | 23.9 | — | — | — | — | RNAV1 |
| 005 | TF | GRAYL | — | 090 (082.9) | -7.5 | 23.4 | — | +FL160 | — | — | RNAV1 |
| 006 | TF | BORLO | — | 091 (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 (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 | OLVAN | — | 139 (131.8) | -7.5 | 29.1 | — | — | — | — | RNAV1 |
| 005 | TF | GRAYL | — | 090 (082.9) | -7.5 | 23.4 | — | +FL160 | — | — | RNAV1 |
| 006 | TF | BORLO | — | 091 (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 (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 | BORLO | — | 119 (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 (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 | BORLO | — | 119 (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 (149.6) | -7.5 | — | — | +600 | — | — | RNAV1 |
| 002 | DF | ASPEN | Y | — | -7.5 | — | — | — | — | — | RNAV1 |
| 003 | TF | A6R11 | — | 157 (149.7) | -7.5 | 4.5 | — | — | — | — | RNAV1 |
| 004 | TF | DAITO | — | 201 (193.3) | -7.5 | 9.3 | — | — | — | — | RNAV1 |
| 005 | TF | PEDLA | — | 161 (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 (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 | DAITO | — | 206 (198.7) | -7.5 | 10.3 | — | — | — | — | RNAV1 |
| 005 | TF | PEDLA | — | 161 (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

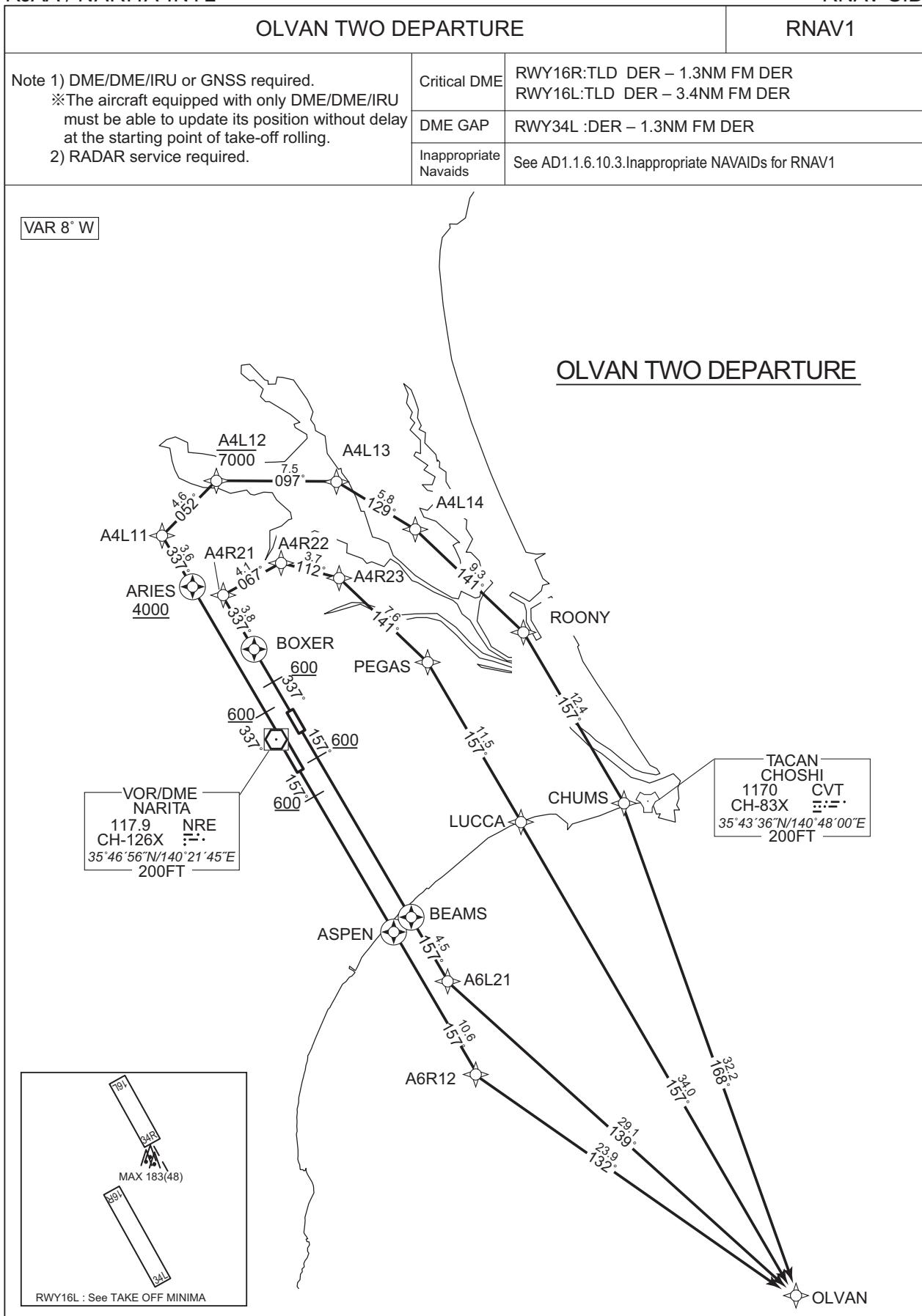
| Waypoint Identifier | Coordinates | Waypoint Identifier | Coordinates |
|---------------------|------------------------|---------------------|------------------------|
| AA433 | 354438.5N / 1401700.8E | BEAMS | 353533.0N / 1403153.1E |
| A6L21 | 353137.9N / 1403441.9E | BOXER | 355213.0N / 1401951.6E |
| 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 (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 | OLVAN | — | 132 (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 (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 | OLVAN | — | 139 (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. 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 (176.3) | -7.5 | 25.2 | — | — | — | — | RNAV1 |
| 003 | TF | NORIS | — | 184 (176.3) | -7.5 | 12.7 | — | — | — | — | RNAV1 |
| 004 | TF | HANAR | — | 232 (224.0) | -7.5 | 17.5 | — | +FL160 | — | — | RNAV1 |
| 005 | TF | SAMUS | — | 231 (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 | | |

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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.

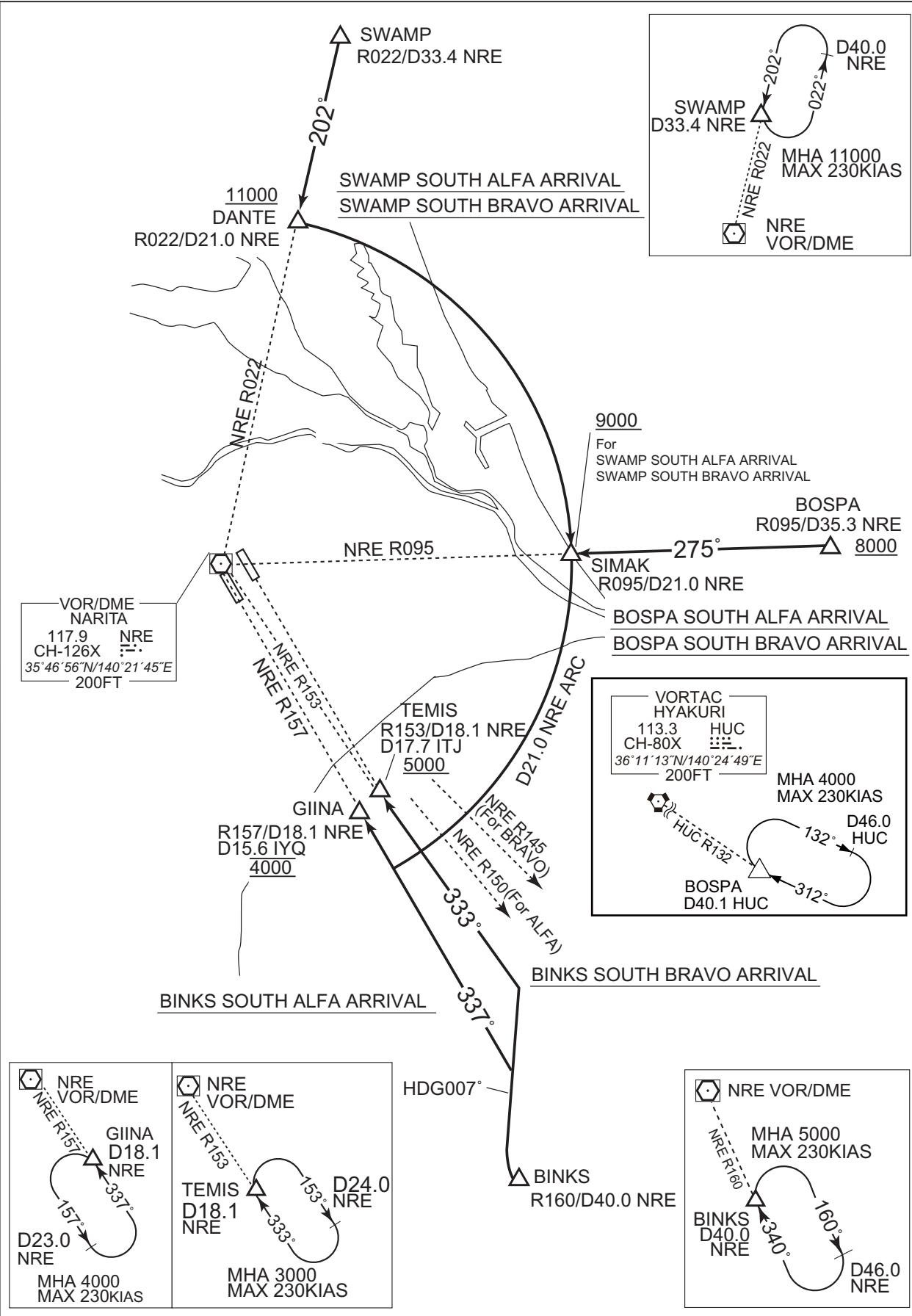
CHANGE : BOSPA SOUTH ALFA/BRAVO ARRIVAL established. ABBOT SOUTH ALFA/BRAVO ARRIVAL abolished.
BINKS SOUTH BRAVO ARRIVAL. SWAMP SOUTH ALFA/BRAVO ARRIVAL.

STANDARD ARRIVAL CHART -INSTRUMENT

RJAA / NARITA INTL

STAR RWY34L/34R

CHANGE : BOSPA SOUTH ALFA/BRAVO ARRIVAL established. ABBOT SOUTH ALFA/BRAVO ARRIVAL HOKUSO VOR/DME(HKE) abolished.



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 established. ABBOT NORTH ARRIVAL abolished. BINKS NORTH ARRIVAL abolished.

STANDARD ARRIVAL CHART -INSTRUMENT

RJAA / NARITA INTL

STAR RWY16R/16L

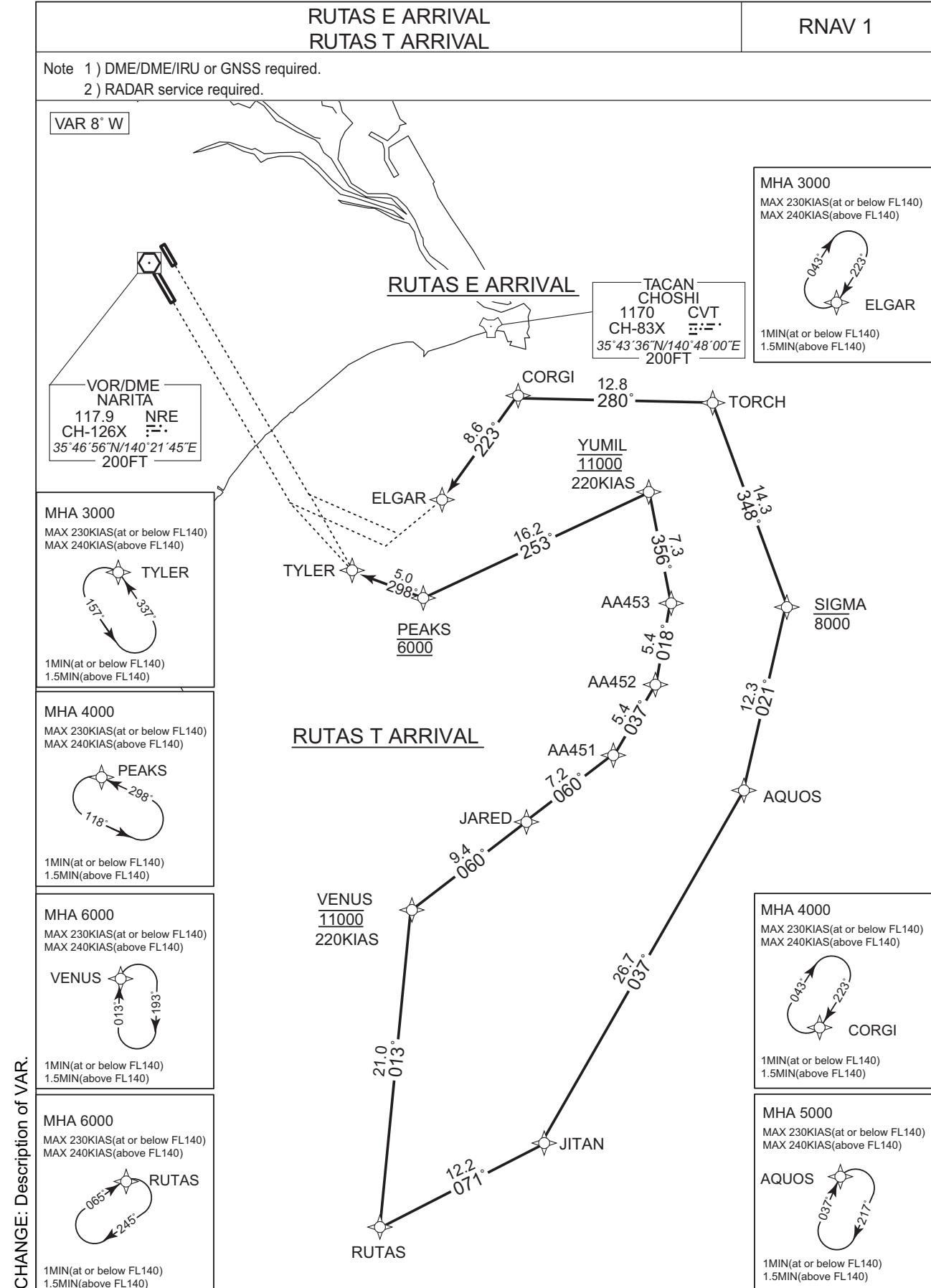
CHANGE : BOSPA NORTH ARRIVAL established. ABBOT NORTH ARRIVAL abolished. BINKS NORTH ARRIVAL.
LAKES NORTH ARRIVAL. HOKUSO VOR/DME(HKE) abolished.



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) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | AQUOS | 037 (029.1) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 5000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | CORGİ | 223 (215.8) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ELGAR | 223 (215.7) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 3000 | - | -230(-14000) -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) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | VENUS | 013 (005.8) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | PEAKS | 298 (290.2) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | TYLER | 337 (329.8) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 3000 | - | -230(-14000) -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

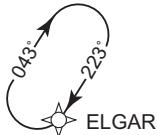
SWAMP E ARRIVAL
SWAMP T ARRIVAL

RNAV 1

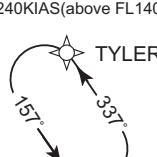
- Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.

VAR 8° W

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

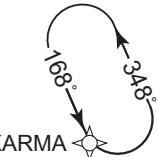


MHA 3000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



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

MHA 6000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



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

MHA 4000
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
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

SWAMP

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

SWAMP E ARRIVAL

VOR/DME
NARITA
117.9
CH-126X
35°46'56"N/140°21'45"E
200FT

TACAN
CHOSHI
1170
CH-83X
35°43'36"N/140°48'00"E
200FT

NRE
CVT
UNARI

MIFFY
9000
168°
12.6
168°

KARMA
6000 (for SWAMP E
ARRIVAL only)

DREAM
10000
220KIAS

MCGEE

AA455

AA456

AA457

PEAKS
6000

HYDRA
10000
220KIAS

PLEIA

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

CHANGE: Description of VAR.

SWAMP T ARRIVAL

MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

PEAKS
298°
718°

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

MHA 9000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

PLEIA
327°
147°

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

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 (133.0) | -7.5 | 8.3 | - | +11000 | - | - | RNAV1 |
| 003 | TF | PLEIA | - | 141 (133.0) | -7.5 | 8.8 | - | - | - | - | RNAV1 |
| 004 | TF | MIFFY | - | 168 (160.3) | -7.5 | 5.4 | - | +9000 | - | - | RNAV1 |
| 005 | TF | KARMA | - | 168 (160.3) | -7.5 | 12.6 | - | +6000 | - | - | RNAV1 |
| 006 | TF | UNARI | - | 168 (160.4) | -7.5 | 5.8 | - | - | - | - | RNAV1 |
| 007 | TF | CORGI | - | 223 (215.8) | -7.5 | 8.3 | - | - | - | - | RNAV1 |
| 008 | 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 | SWAMP | 205 (197.0) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 11000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | PLEIA | 141 (133.1) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 9000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | KARMA | 168 (160.3) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | CORGI | 223 (215.8) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ELGAR | 223 (215.7) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 3000 | - | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : New PROC

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) 1.5(+14001) | - | L | 11000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | PLEIA | 141 (133.1) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 9000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | KARMA | 168 (160.3) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | PEAKS | 298 (290.2) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | TYLER | 337 (329.8) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 3000 | - | -230(-14000) -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

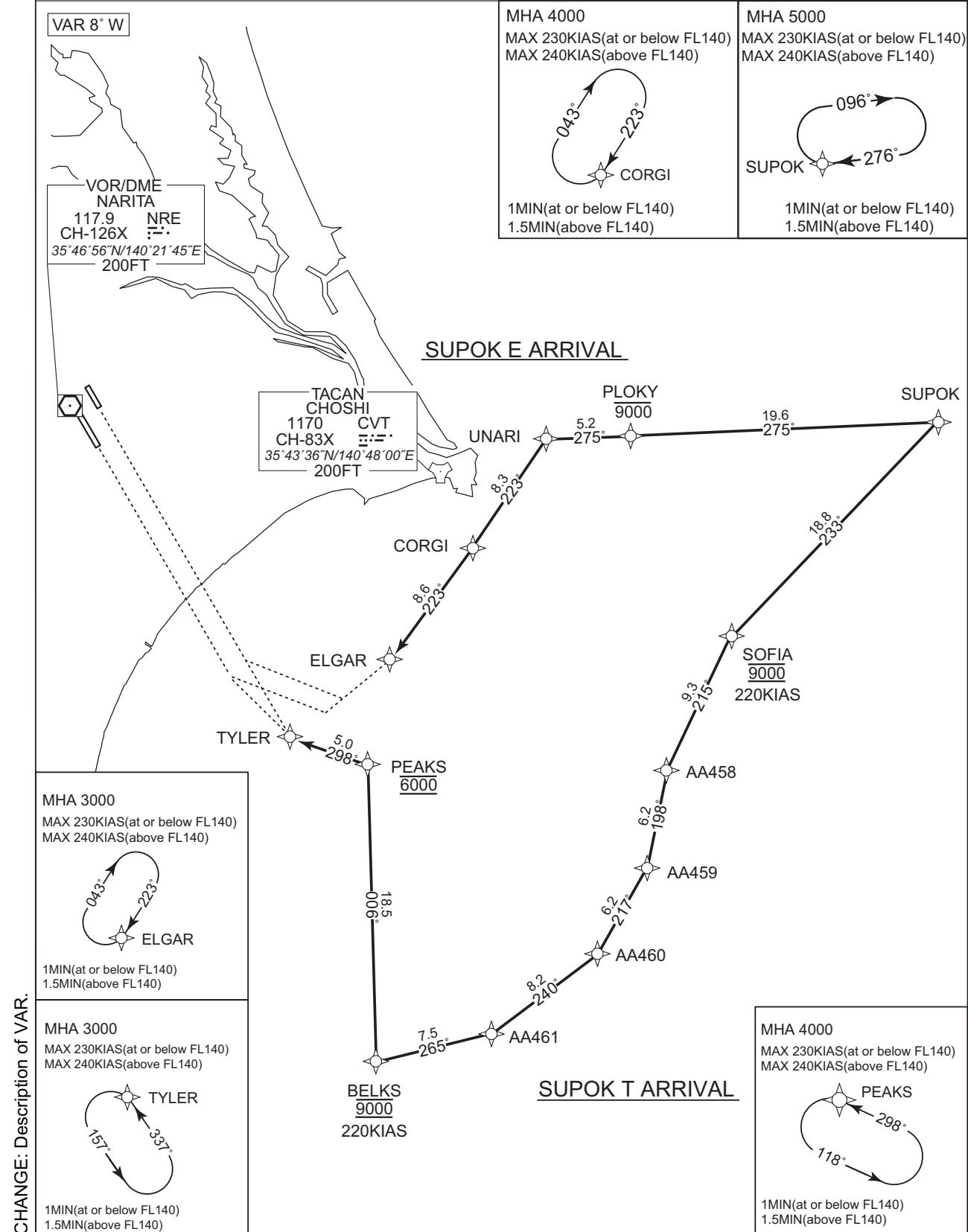
RJAA / NARITA INTL

RNAV STAR RWY34L/34R

SUPOK E ARRIVAL
SUPOK 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

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 (267.9) | -7.5 | 19.6 | - | -9000 | - | - | RNAV1 |
| 003 | TF | UNARI | - | 275 (267.4) | -7.5 | 5.2 | - | - | - | - | RNAV1 |
| 004 | TF | CORGI | - | 223 (215.8) | -7.5 | 8.3 | - | - | - | - | RNAV1 |
| 005 | 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 | SUPOK | 276 (268.6) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 5000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | CORGI | 223 (215.8) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ELGAR | 223 (215.7) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 3000 | - | -230(-14000) -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) 1.5(+14001) | - | R | 5000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | PEAKS | 298 (290.2) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | TYLER | 337 (329.8) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 3000 | - | -230(-14000) -240(+14001) | RNAV1 |

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 | | |

CHANGE : HLDG Pattern (PEAKS) established

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

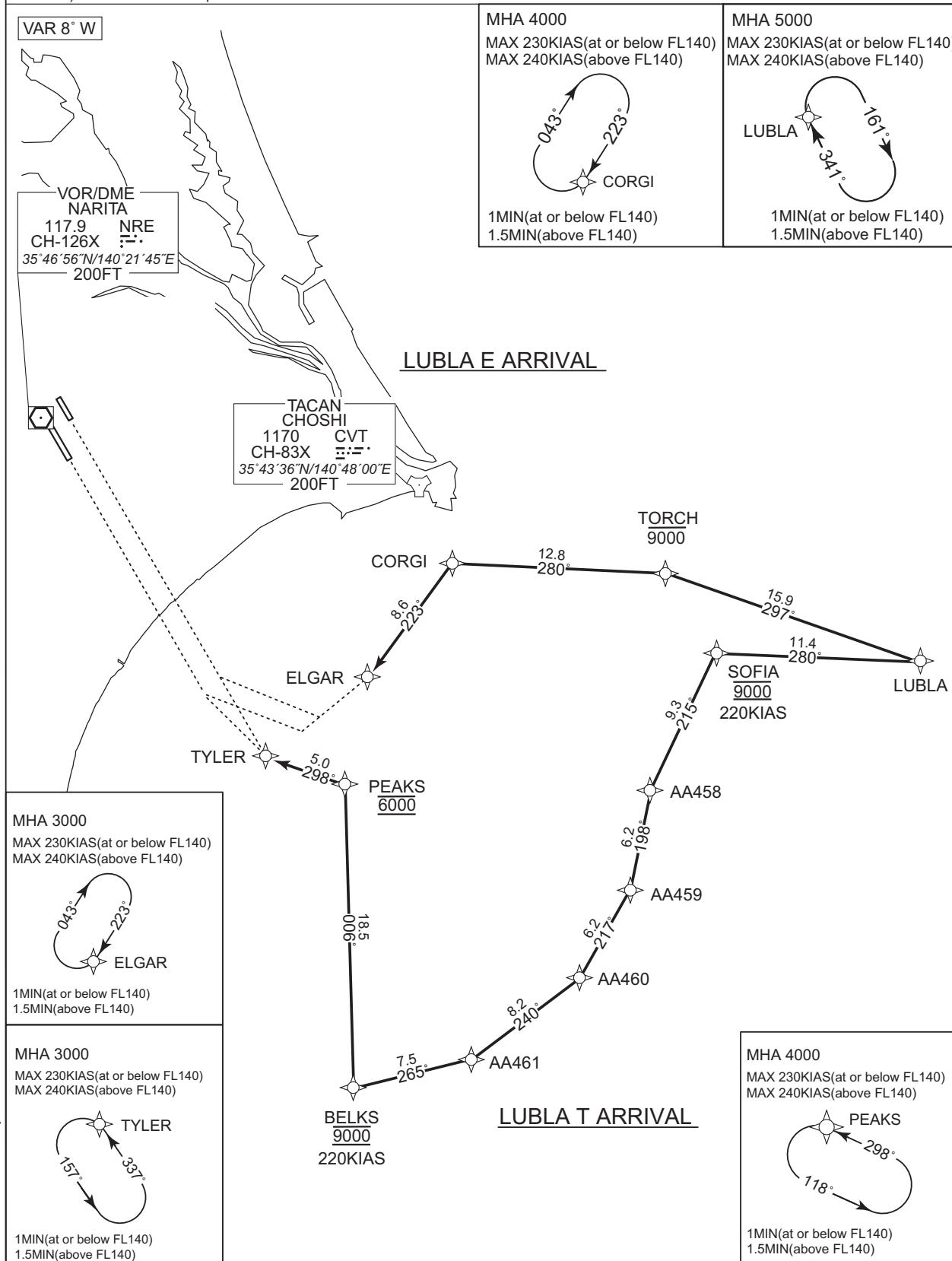
RNAV STAR RWY34L/34R

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) 1.5(+14001) | - | R | 5000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | CORGI | 223 (215.8) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ELGAR | 223 (215.7) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 3000 | - | -230(-14000) -240(+14001) | RNAV1 |

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) 1.5(+14001) | - | R | 5000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | PEAKS | 298 (290.2) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | TYLER | 337 (329.8) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 3000 | - | -230(-14000) -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

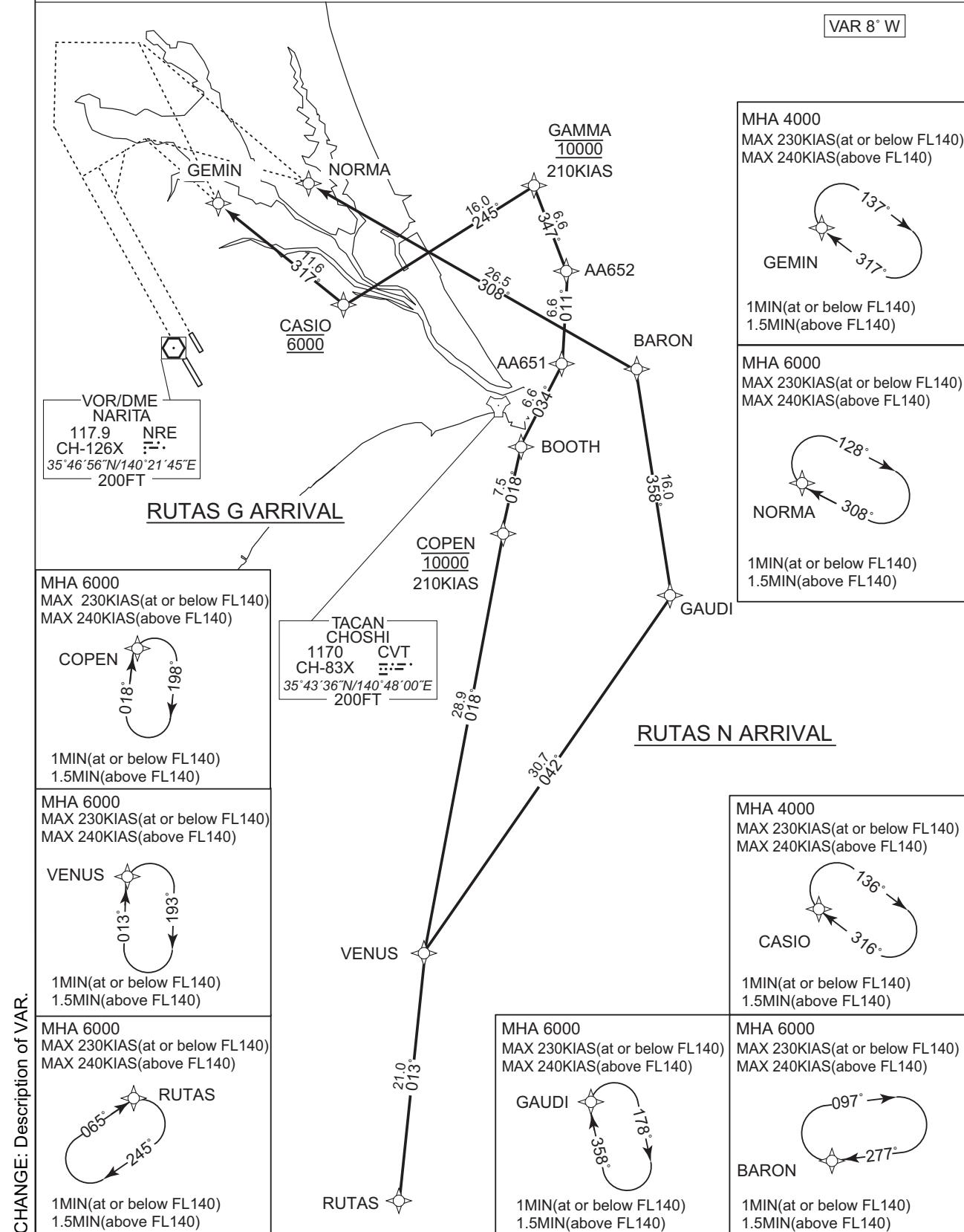
RJAA / NARITA INTL

RNAV STAR RWY16R/16L

RUTAS G ARRIVAL
RUTAS N ARRIVAL

RNAV 1

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



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) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | VENUS | 013 (005.8) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | COPEN | 018 (010.5) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | CASIO | 316 (308.6) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | GEMIN | 317 (309.1) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -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) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | VENUS | 013 (005.8) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | GAUDI | 358 (351.0) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BARON | 277 (270.0) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | NORMA | 308 (300.0) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -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
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)

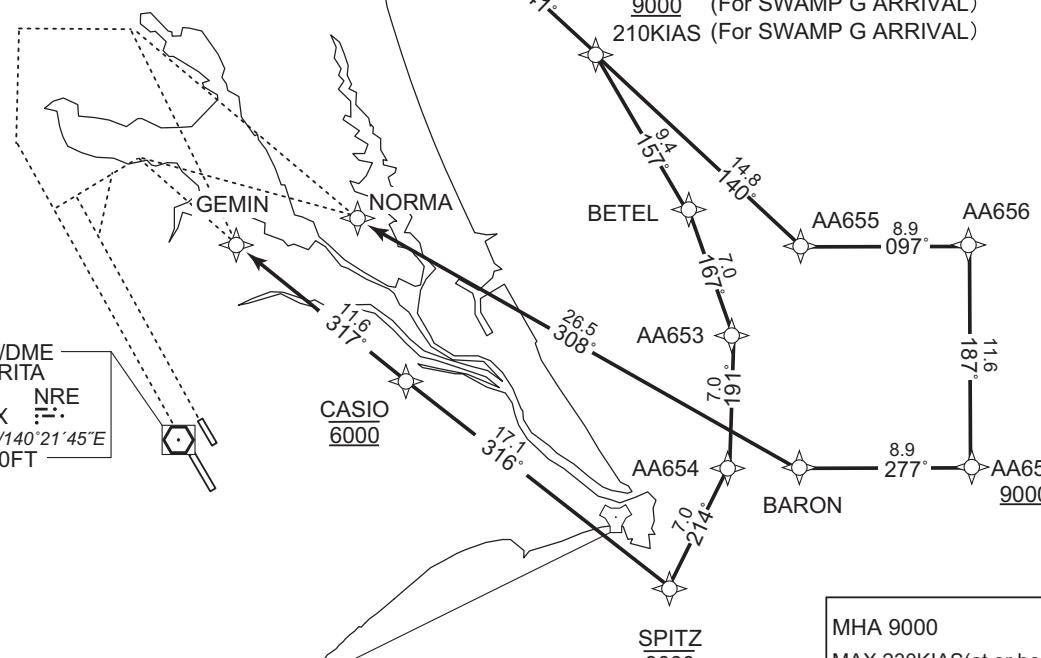
SWAMP

VIXEN

11000

SWAMP N ARRIVAL

PLEIA

9000 (For SWAMP G ARRIVAL)
210KIAS (For SWAMP G ARRIVAL)MHA 9000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)1MIN(at or below FL140)
1.5MIN(above FL140)MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)GEMIN
317°
137°1MIN(at or below FL140)
1.5MIN(above FL140)MHA 6000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)NORMA
308°
128°1MIN(at or below FL140)
1.5MIN(above FL140)MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)CASIO
316°
136°1MIN(at or below FL140)
1.5MIN(above FL140)MHA 6000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)BARON
277°
097°1MIN(at or below FL140)
1.5MIN(above FL140)

CHANGE: Description of VAR.

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 (133.0) | -7.5 | 8.3 | - | +11000 | - | - | RNAV1 |
| 003 | TF | PLEIA | - | 141 (133.0) | -7.5 | 8.8 | - | 9000 | 210 | - | RNAV1 |
| 004 | TF | BETEL | - | 157 (149.1) | -7.5 | 9.4 | - | - | - | - | RNAV1 |
| 005 | TF | AA653 | - | 167 (159.6) | -7.5 | 7.0 | - | - | - | - | RNAV1 |
| 006 | TF | AA654 | - | 191 (183.1) | -7.5 | 7.0 | - | - | - | - | RNAV1 |
| 007 | TF | SPITZ | - | 214 (206.6) | -7.5 | 7.0 | - | 9000 | 210 | - | RNAV1 |
| 008 | TF | CASIO | - | 316 (308.6) | -7.5 | 17.1 | - | 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 | SWAMP | 205 (197.0) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 11000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | PLEIA | 141 (133.1) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 9000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | CASIO | 316 (308.6) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | GEMIN | 317 (309.1) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -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 (133.0) | -7.5 | 8.3 | - | +11000 | - | - | RNAV1 |
| 003 | TF | PLEIA | - | 141 (133.0) | -7.5 | 8.8 | - | - | - | - | RNAV1 |
| 004 | TF | AA655 | - | 140 (132.9) | -7.5 | 14.8 | - | - | - | - | RNAV1 |
| 005 | TF | AA656 | - | 097 (089.9) | -7.5 | 8.9 | - | - | - | - | RNAV1 |
| 006 | TF | AA657 | - | 187 (180.0) | -7.5 | 11.6 | - | +9000 | - | - | RNAV1 |
| 007 | TF | BARON | - | 277 (270.0) | -7.5 | 8.9 | - | - | - | - | RNAV1 |
| 008 | 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 | SWAMP | 205 (197.0) | -7.5 | 1.0(-14000) 1.5(+14001) | - | L | 11000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | PLEIA | 141 (133.1) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 9000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BARON | 277 (270.0) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | NORMA | 308 (300.0) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -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

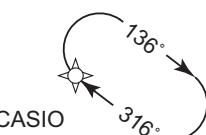
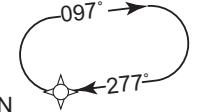
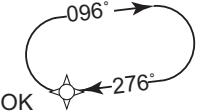
RNAV STAR RWY16R/16L

SUPOK G ARRIVAL
SUPOK N ARRIVAL

RNAV 1

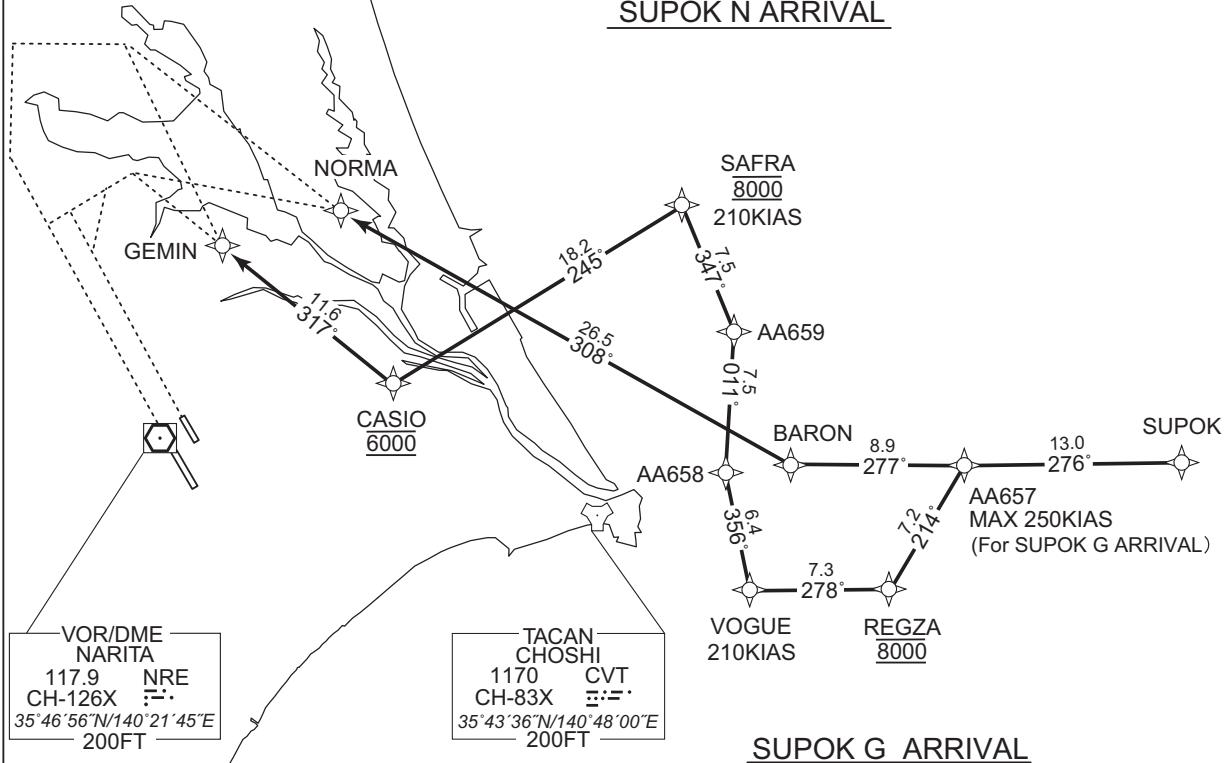
Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.

| | | | |
|--|--|---|--|
| | MHA 4000 MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) | MHA 6000 MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) | MHA 5000 MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) |
| | CASIO  1MIN(at or below FL140) 1.5MIN(above FL140) | BARON  1MIN(at or below FL140) 1.5MIN(above FL140) | SUPOK  1MIN(at or below FL140) 1.5MIN(above FL140) |

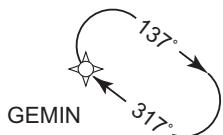
VAR 8° W

SUPOK N ARRIVAL



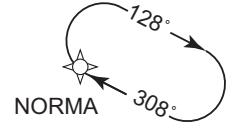
SUPOK G ARRIVAL

MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



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

MHA 6000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



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

CHANGE: Description of VAR.

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) 1.5(+14001) | — | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | CASIO | 316 (308.6) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | GEMIN | 317 (309.1) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -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) 1.5(+14001) | - | R | 5000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BARON | 277 (270.0) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | NORMA | 308 (300.0) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -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

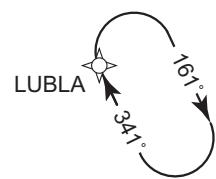
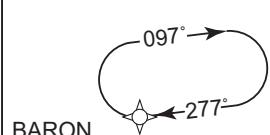
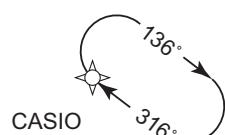
RNAV STAR RWY16R/16L

LUBLA G ARRIVAL
LUBLA N ARRIVAL

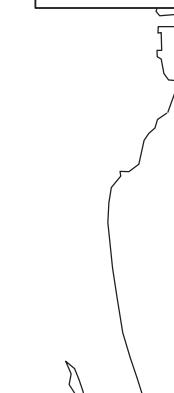
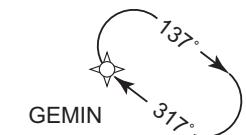
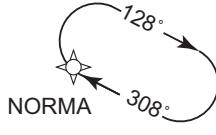
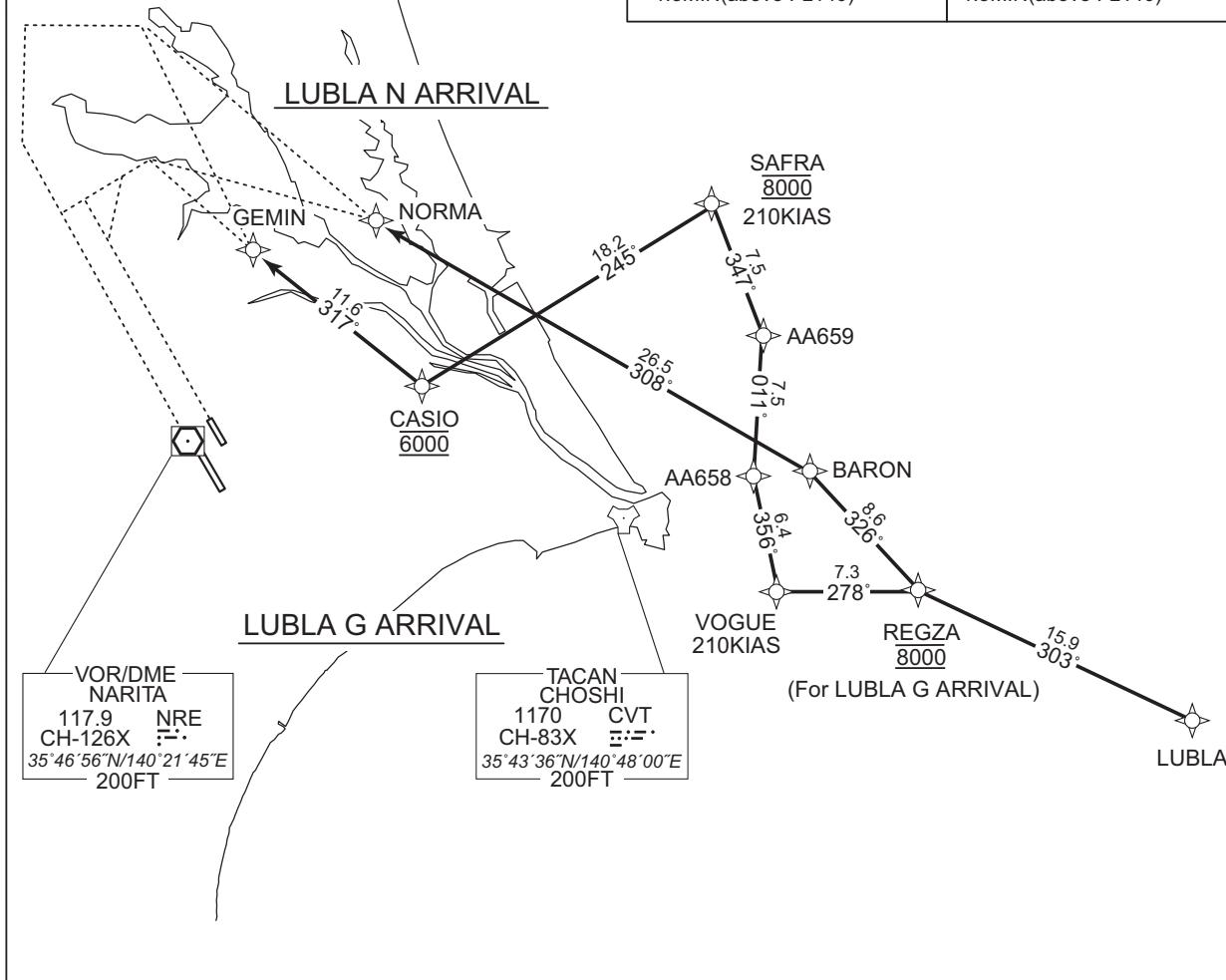
RNAV 1

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

2) RADAR service required.

MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)MHA 6000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)MHA 5000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

VAR 8° W

MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)MHA 6000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)1MIN(at or below FL140)
1.5MIN(above FL140)1MIN(at or below FL140)
1.5MIN(above FL140)

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) 1.5(+14001) | - | R | 5000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | CASIO | 316 (308.6) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | GEMIN | 317 (309.1) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -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 |

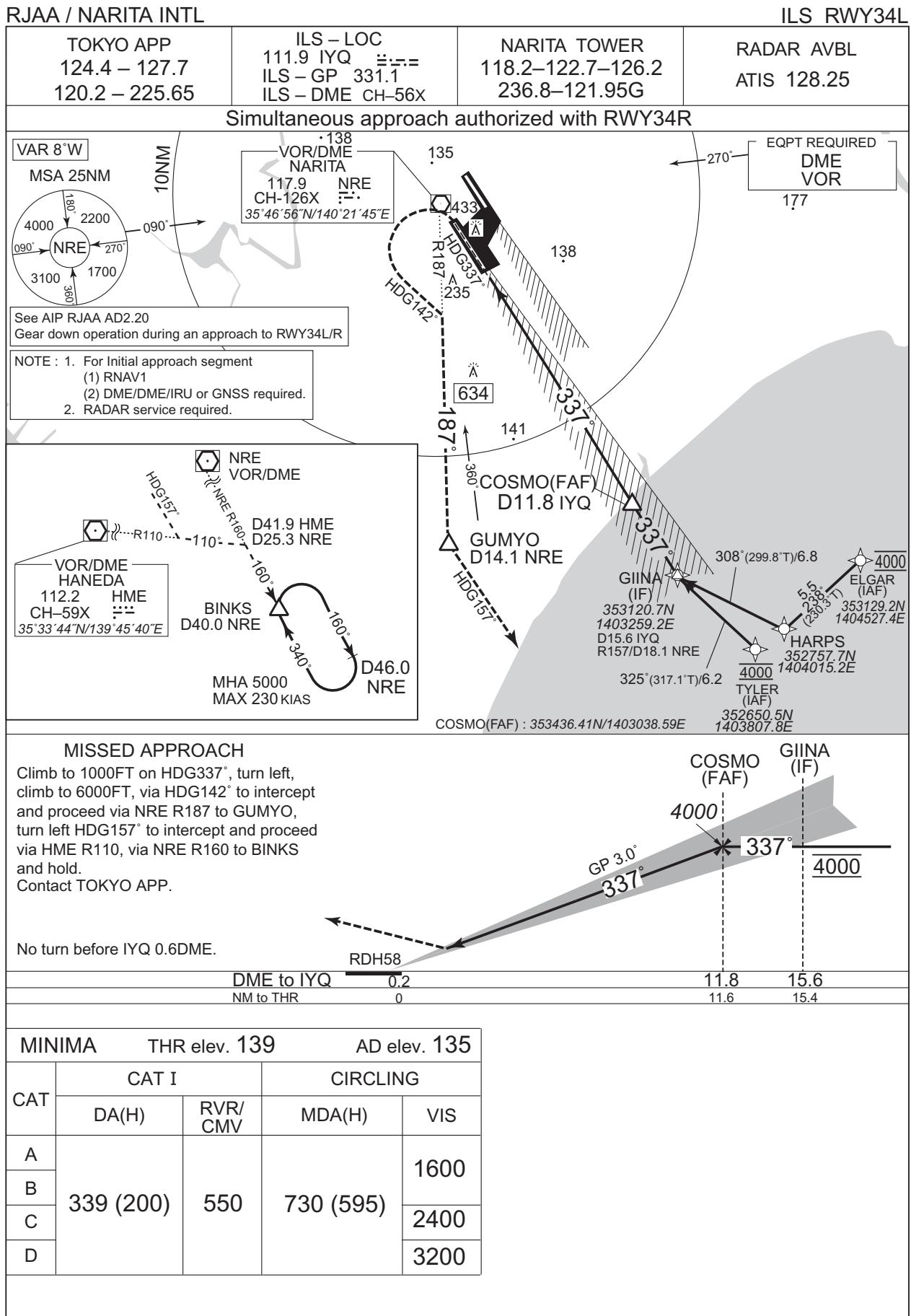
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 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) 1.5(+14001) | - | R | 5000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BARON | 277 (270.0) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | NORMA | 308 (300.0) | -7.5 | 1.0(-14000) 1.5(+14001) | - | R | 6000 | - | -230(-14000) -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 |

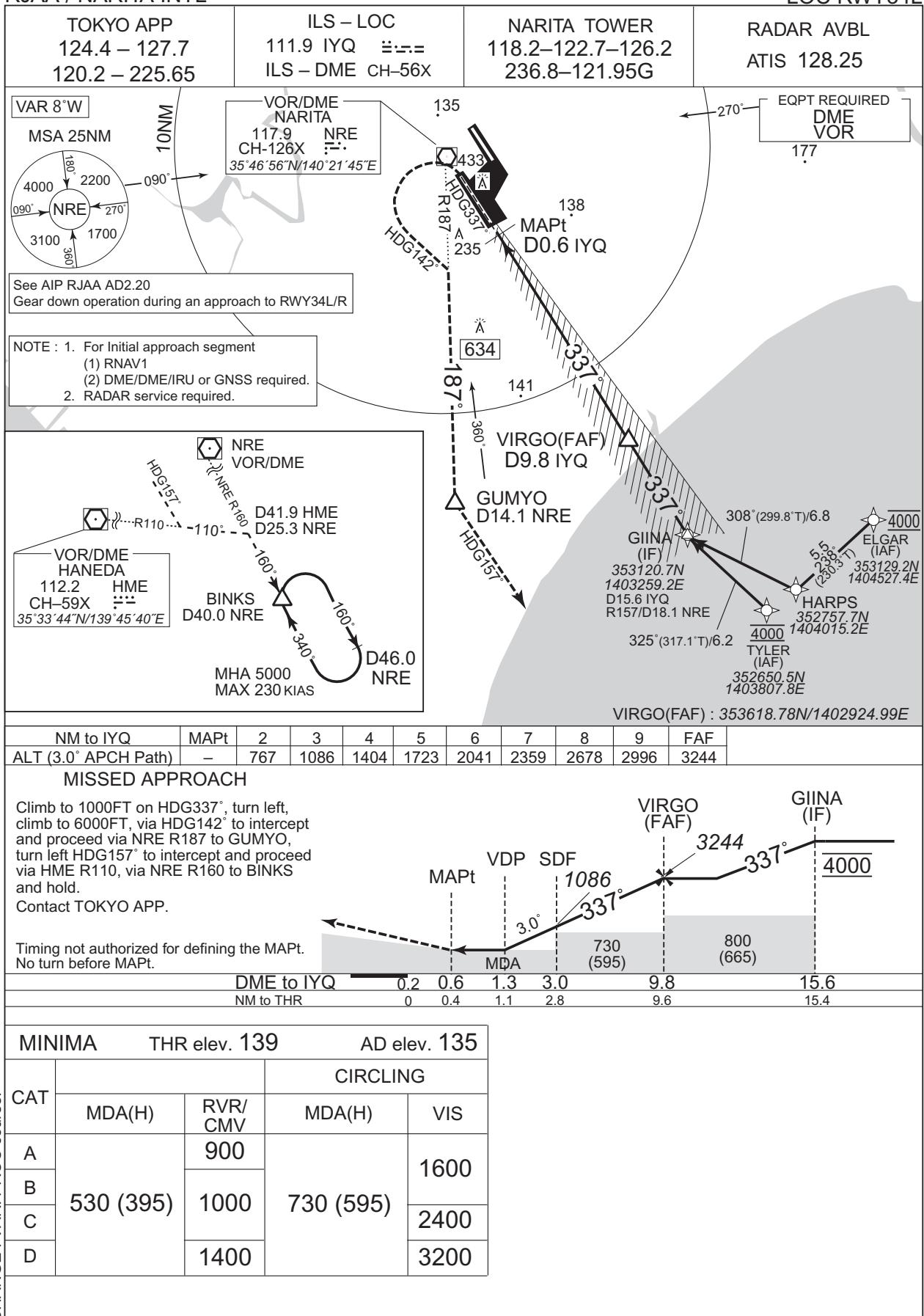
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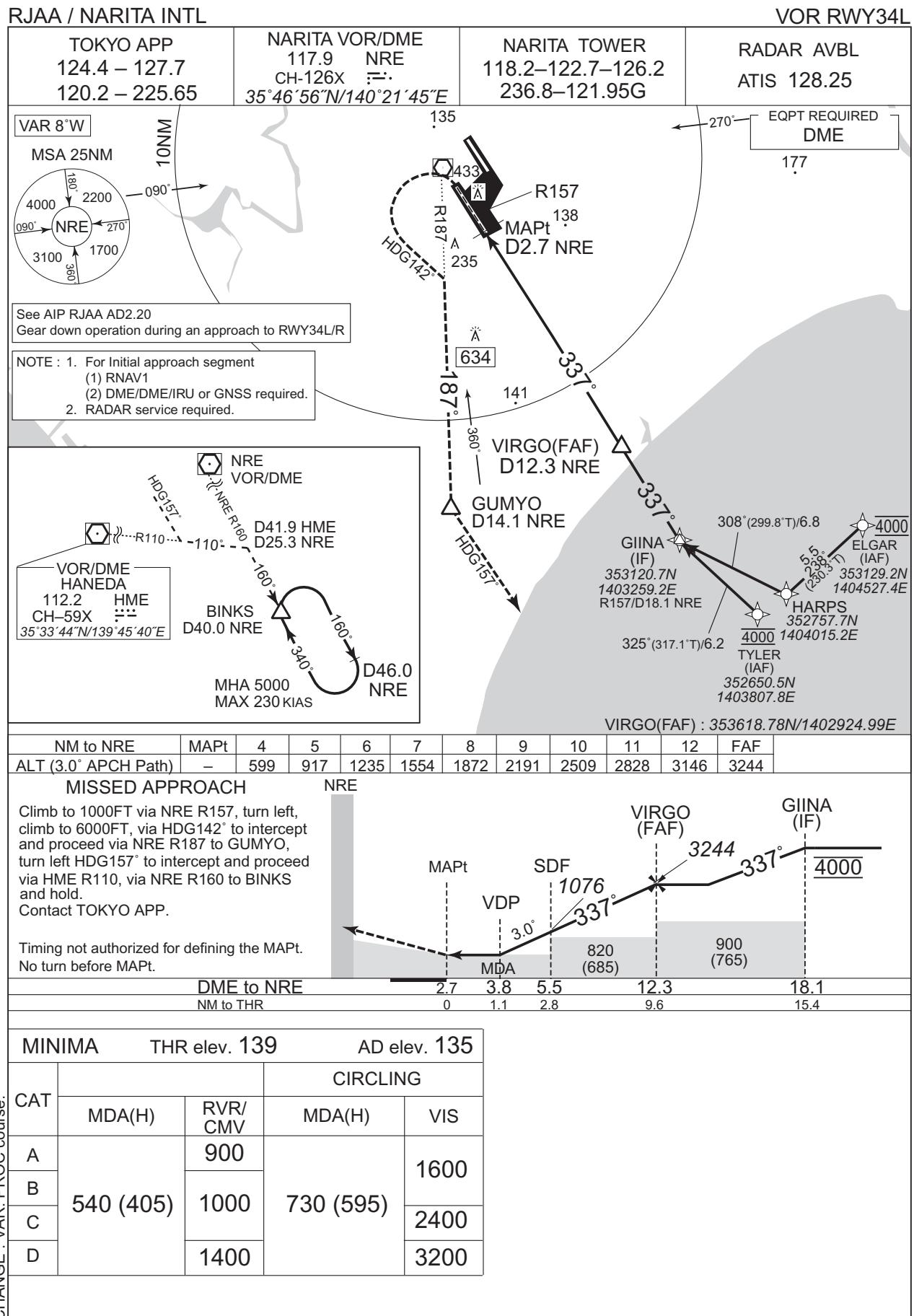
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RJAA / NARITA INTL

LOC RWY34L



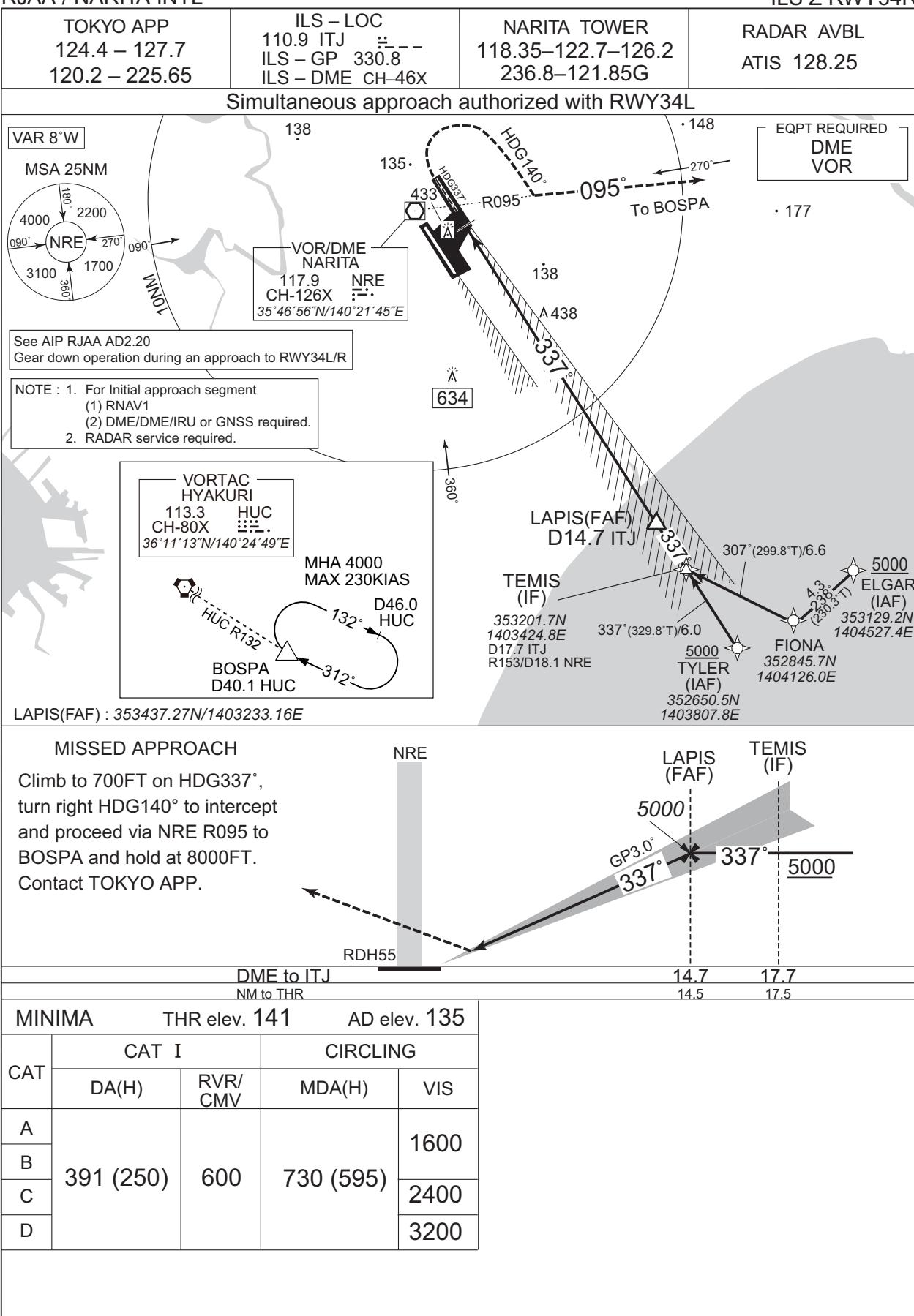
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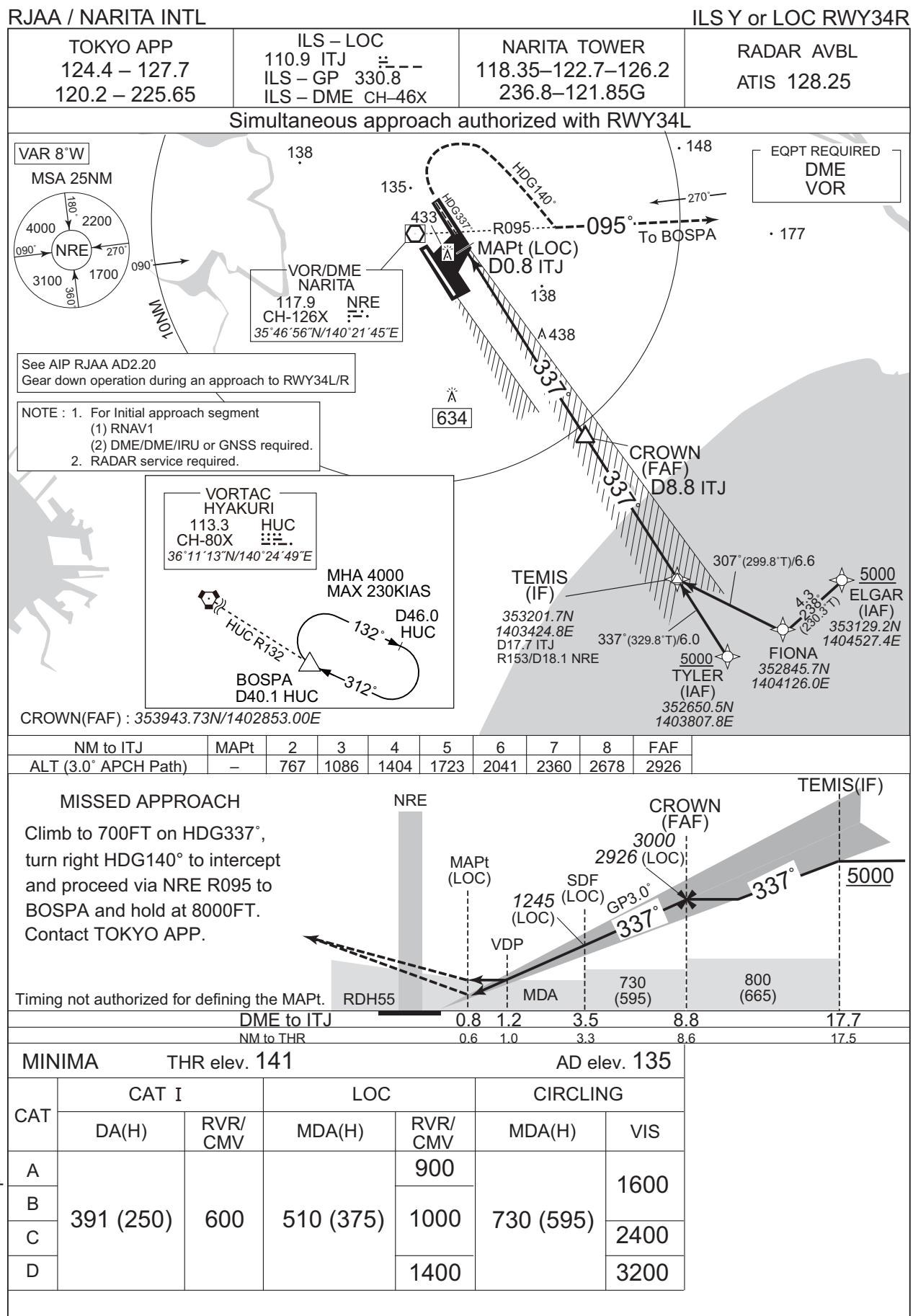
INSTRUMENT APPROACH CHART

RJAA / NARITA INTL

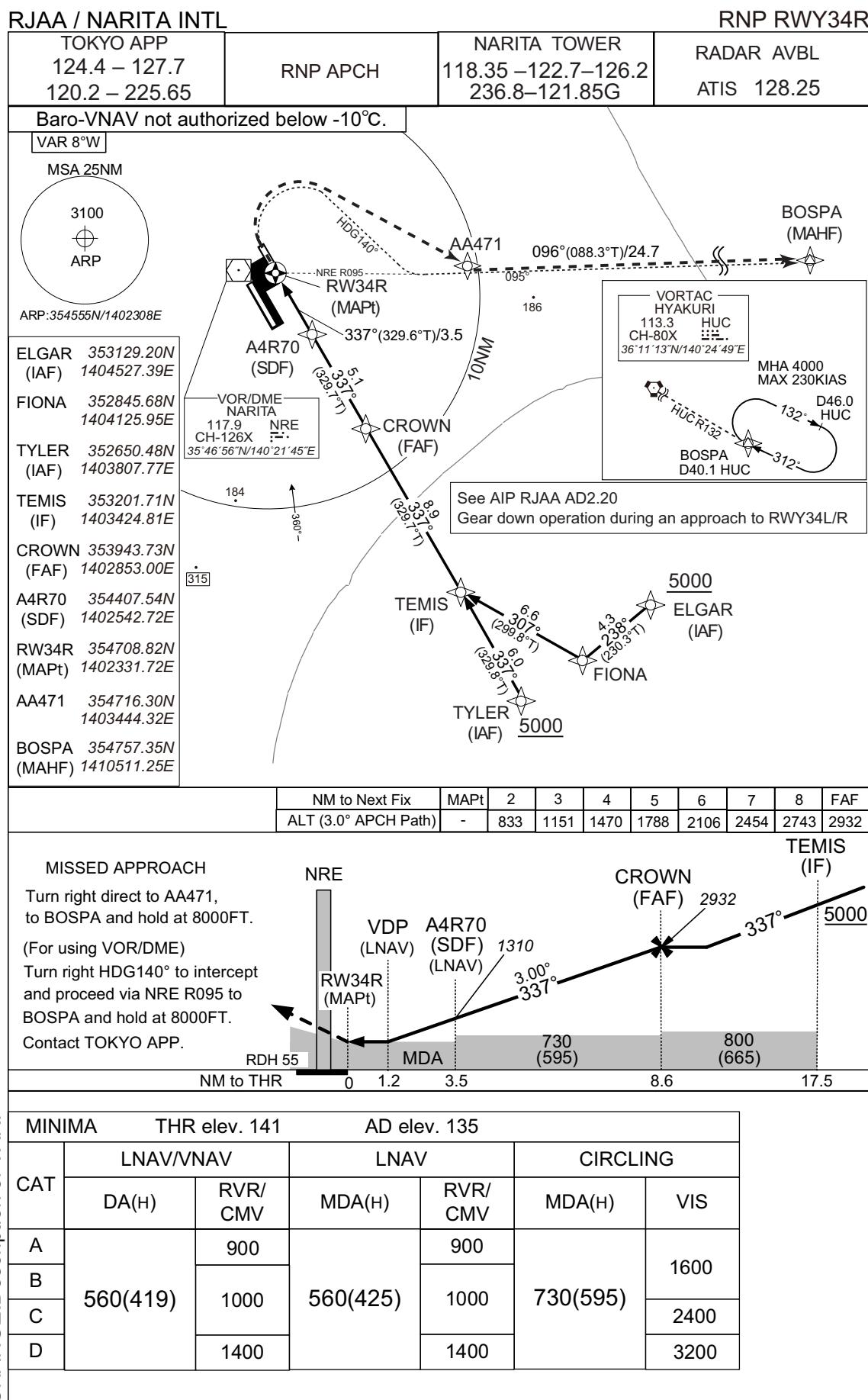
ILS Z RWY34R



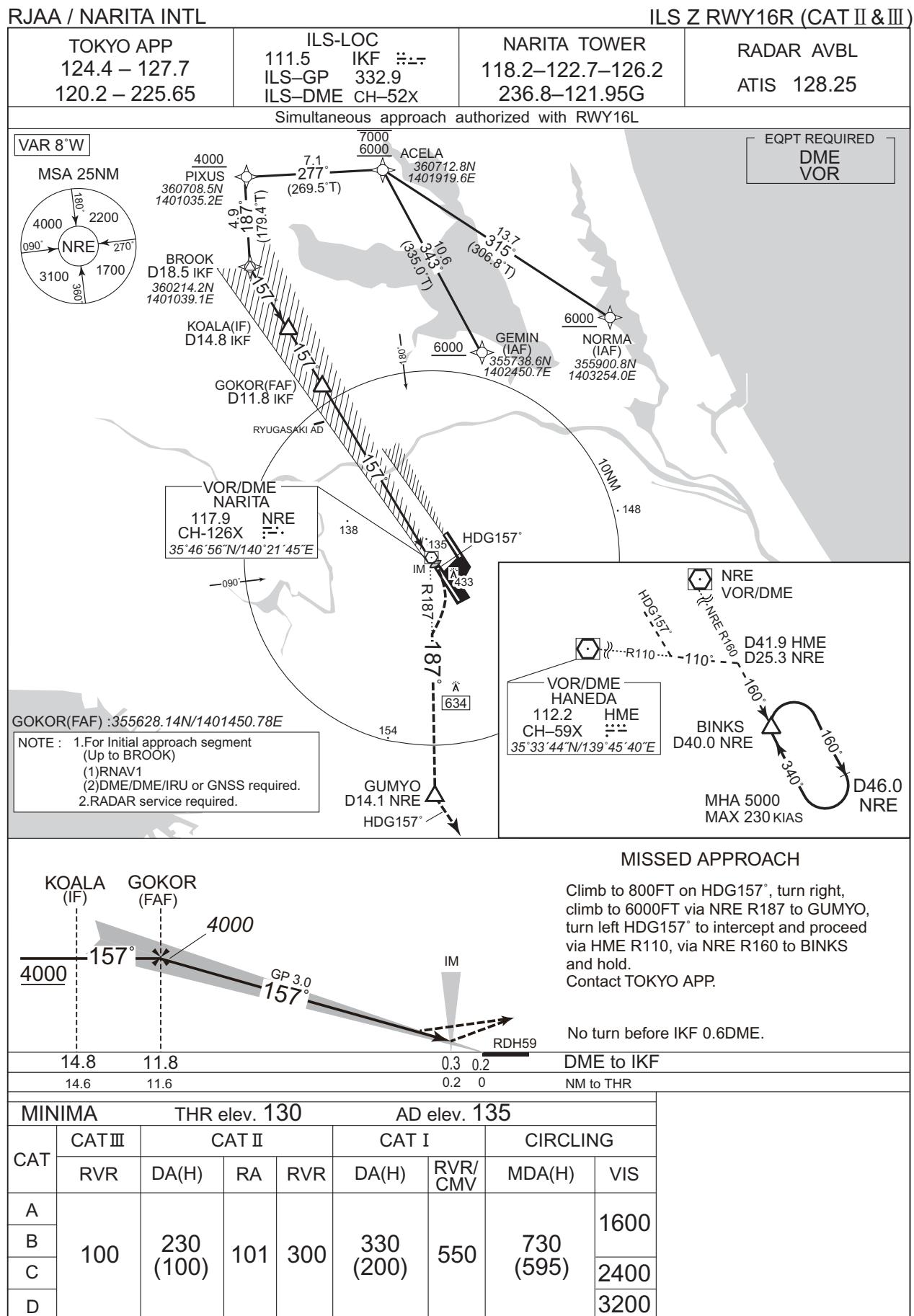
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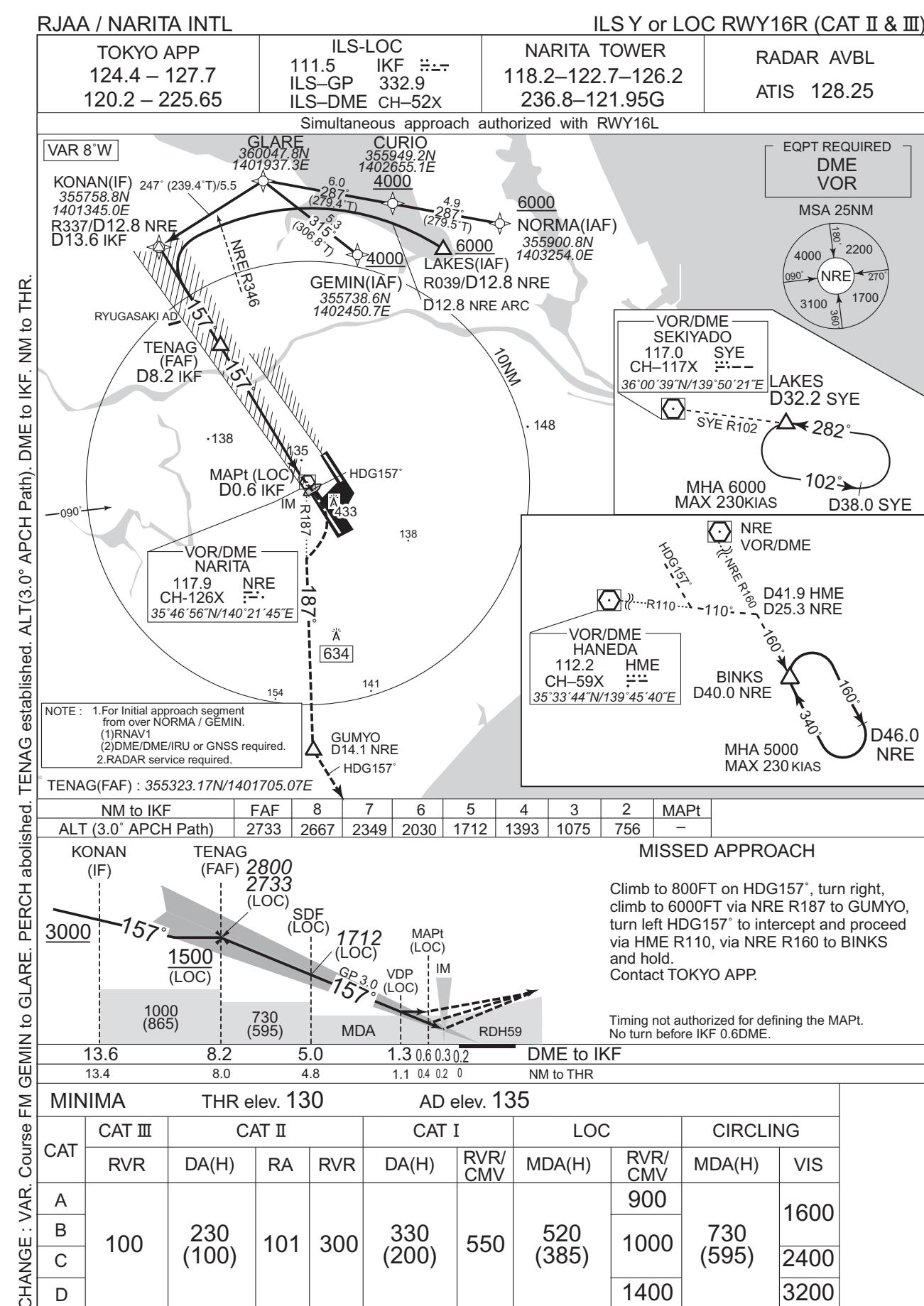
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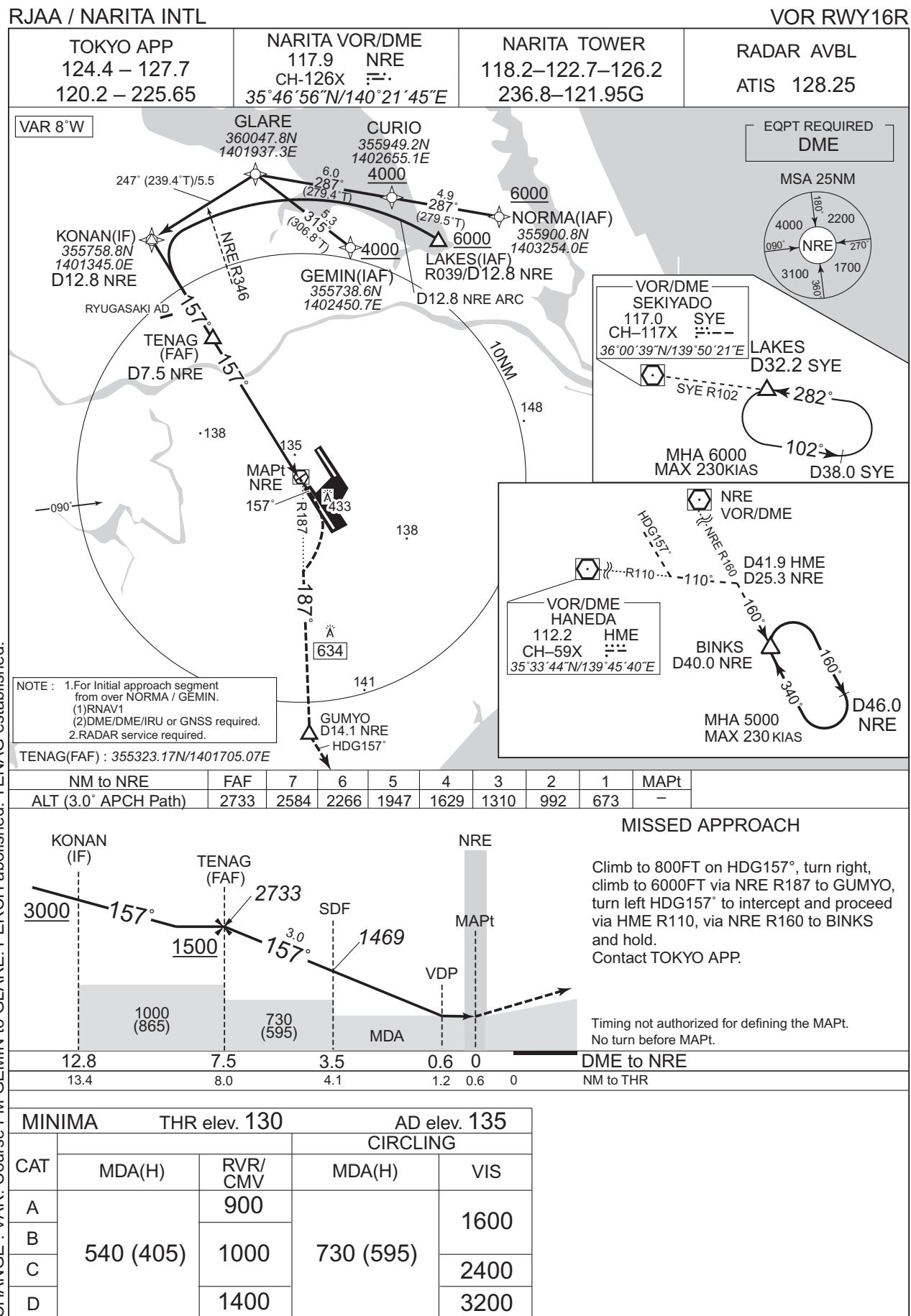
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



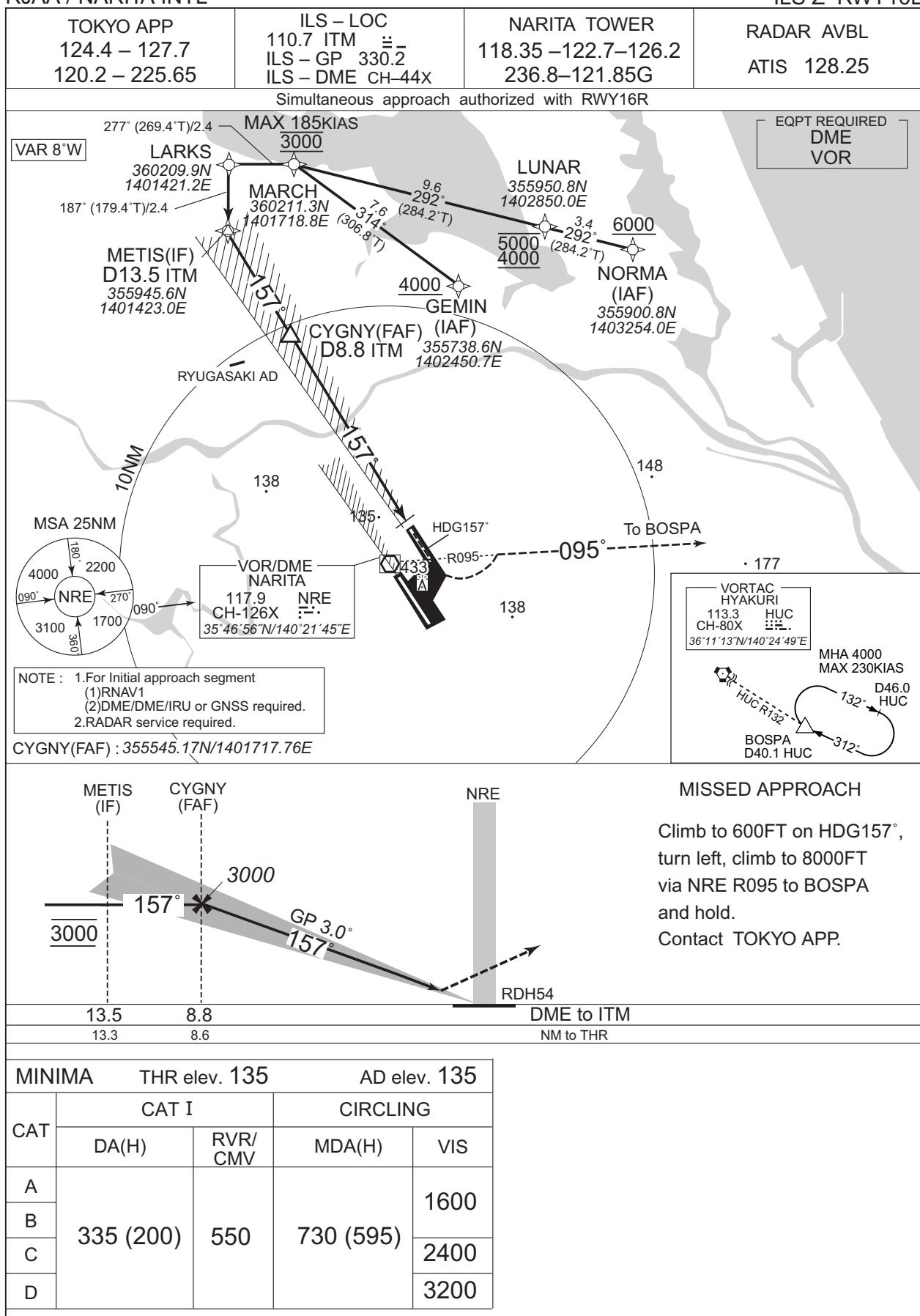
INSTRUMENT APPROACH CHART



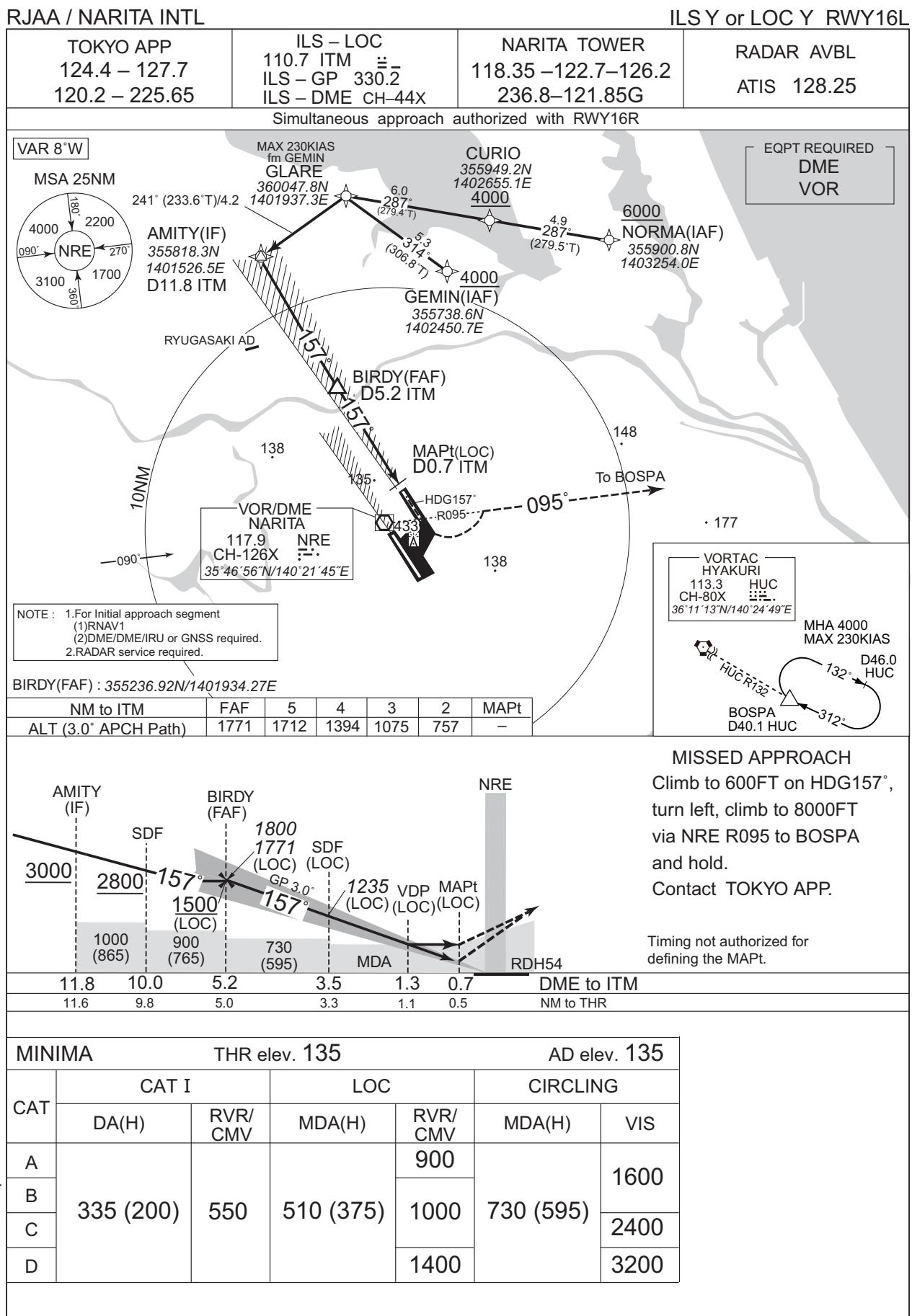
INSTRUMENT APPROACH CHART

RJAA / NARITA INTL

ILS Z RWY16L



INSTRUMENT APPROACH CHART



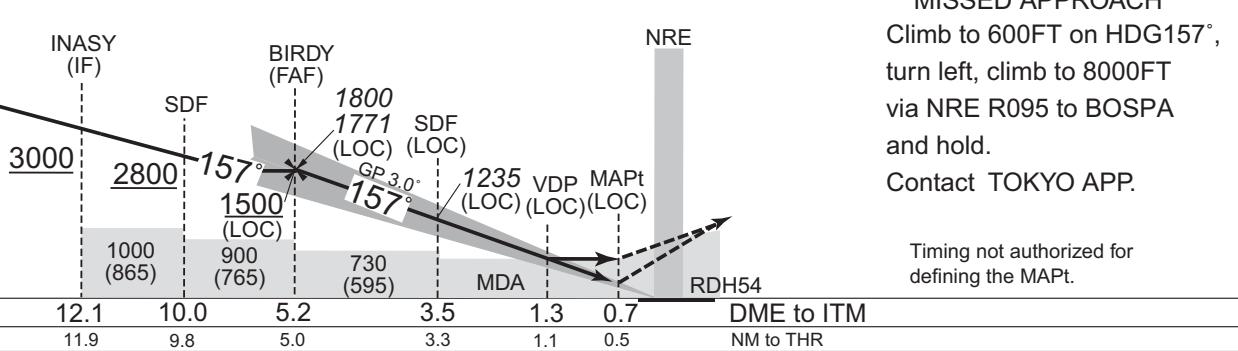
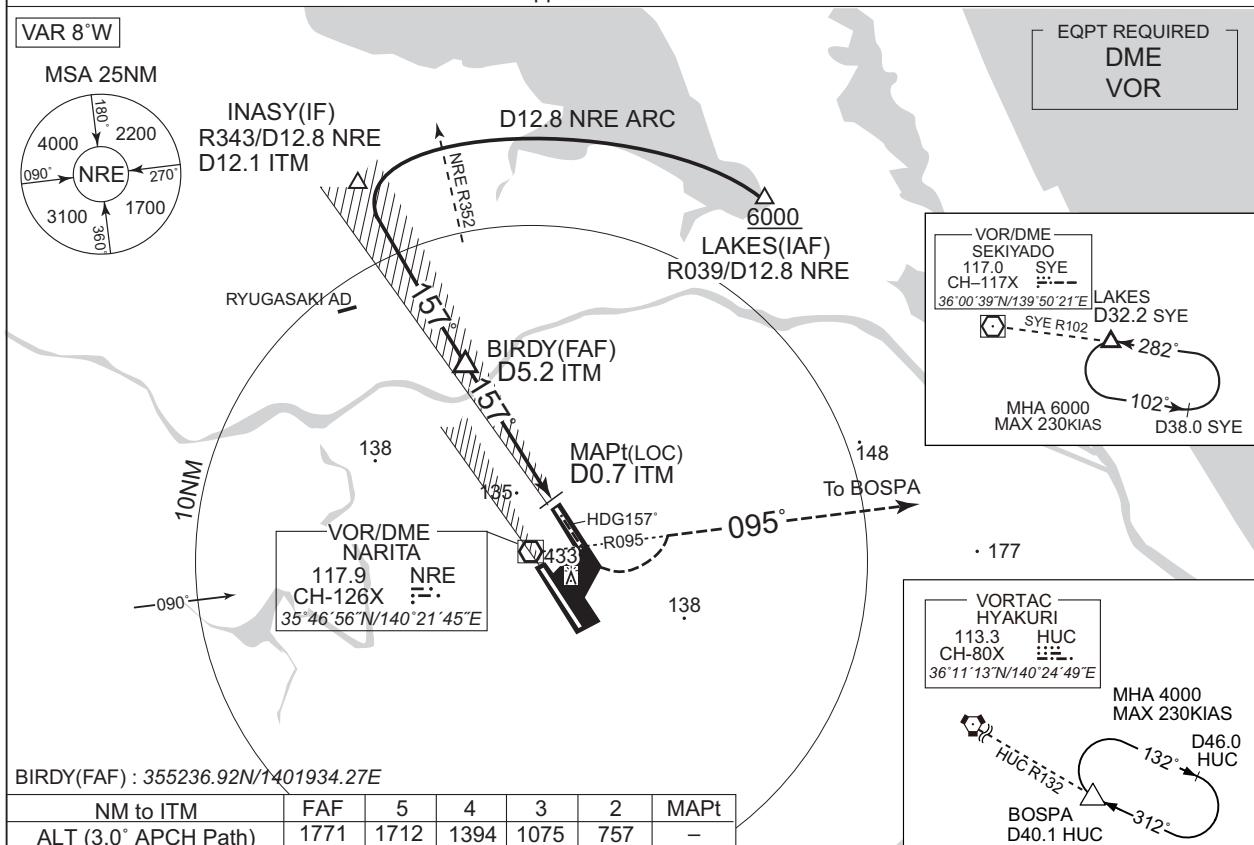
INSTRUMENT APPROACH CHART

RJAA / NARITA INTL

ILS X or LOC X RWY16L

| | | | |
|--|--|---|---------------------------|
| TOKYO APP 124.4 – 127.7 120.2 – 225.65 | ILS – LOC 110.7 ITM ILS – GP 330.2 ILS – DME CH-44X | NARITA TOWER 118.35 – 122.7 – 126.2 236.8 – 121.85G | RADAR AVBL ATIS 128.25 |
|--|--|---|---------------------------|

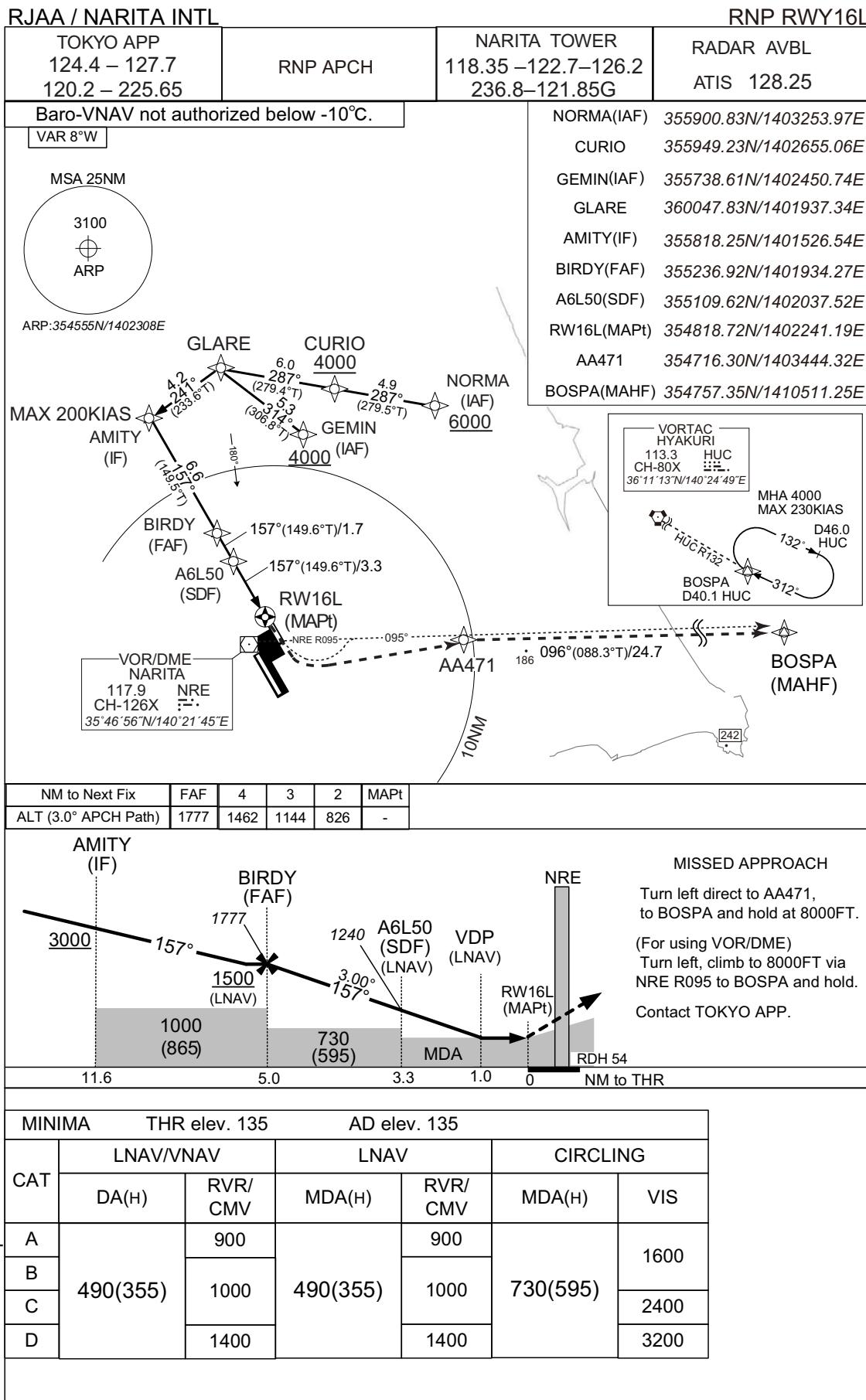
Simultaneous approach authorized with RWY16R



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

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART



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RJAA / NARITA INTL

HLDG PATTERN

CHANGE : HOKUSO VOR/DME(HKE) abolished. HLDG course(TEMIS), BOSPA established. ABBOT, SWIMY abolished.

HLDG PATTERN for RWY34



RJAA / NARITA INTL

HLDG PATTERN



Civil Aviation Bureau,Japan (EFF:25 MAR 2021)

RJAA / NARITA INTL

RNAV HLDG PATTERN

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

RNAV 1

1. Outbound Time / Distance
2. Speed
- See Tabular Description.

DME
MORIYA
1174 SND
CH-87X 100FT
 $35^{\circ}56'06''N/139^{\circ}58'52''E$

TACAN
SHIMOFUSA
980 SHT
CH-19X 100FT
 $35^{\circ}48'07''N/140^{\circ}00'36''E$

TACAN
TATEYAMA
986 TET
CH-25X 500FT
 $34^{\circ}58'15''N/139^{\circ}50'17''E$

TACAN
ONJUKU
1191 OJT
CH-104X 400FT
 $35^{\circ}11'03''N/140^{\circ}22'17''E$

DME
TATEYAMA
1159 PQD
CH-72X 600FT
 $34^{\circ}56'46''N/139^{\circ}53'43''E$

CHANGE : COORD of MORIYA DME(SND).

CORGI
MHA 4000
043° → 223°

ELGAR
MHA 3000
043° → 223°

GEMIN
MHA 4000
73° → 317°

KARMA
MHA 6000
89° → 89°

PEAKS
MHA 4000
718° → 298°

SWAMP MHA 11000
PLEIA MHA 9000
NORMA MHA 6000
GEMIN
BARON MHA 6000
SUPOK MHA 5000
CASSIO MHA 4000
CORGI
TYLER MHA 3000
ELGAR
PEAKS
COPEN MHA 6000
GAUDI MHA 6000
LUBLA MHA 5000
VENUS MHA 6000
AQUOS MHA 5000
RUTAS MHA 6000

TACAN SHIMOFUSA 980 SHT CH-19X 100FT
DME TATEYAMA 1159 PQD CH-72X 600FT
043° → 223°
043° → 223°
065° → 245°
013° → 193°
037° → 217°

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) 1.5(+14001) | — | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BARON | 277 (270.0) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | CASIO | 316 (308.6) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | COPEN | 018 (010.5) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | CORGİ | 223 (215.8) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ELGAR | 223 (215.7) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | GAUDI | 358 (351.0) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | GEMIN | 317 (309.1) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | KARMA | 168 (160.3) | -7.5 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LUBLA | 341 (333.9) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | NORMA | 308 (300.0) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | PEAKS | 298 (290.2) | -7.5 | 1.0(-14000) 1.5(+14001) | — | L | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | PLEIA | 141 (133.1) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | RUTAS | 065 (057.9) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | SUPOK | 276 (268.6) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | SWAMP | 205 (197.0) | -7.5 | 1.0(-14000) 1.5(+14001) | — | L | 11000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | TYLER | 337 (329.8) | -7.5 | 1.0(-14000) 1.5(+14001) | — | L | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | VENUS | 013 (005.8) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : PEAKS established

RJAA / NARITA INTL

RNAV HLDG PATTERN

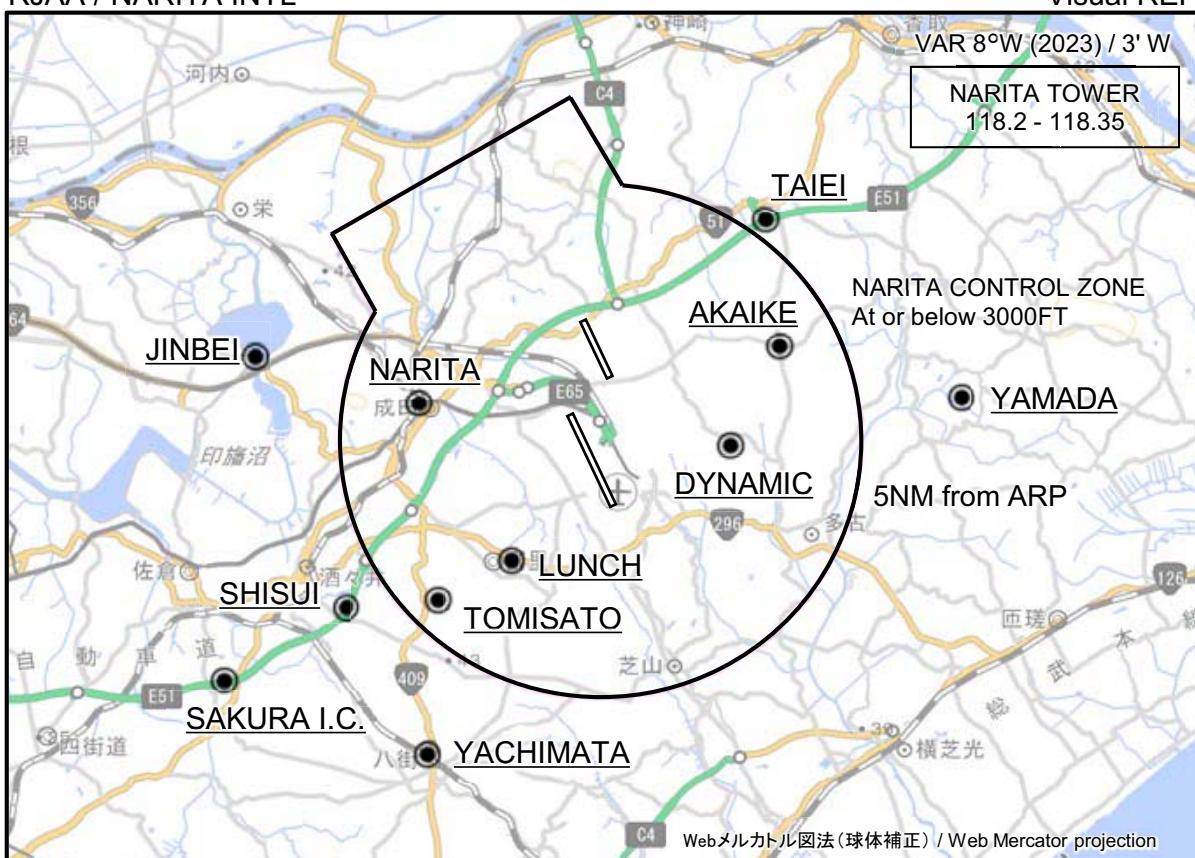
Waypoint Coordinates

| 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 |

CHANGE : PEAKS established

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).

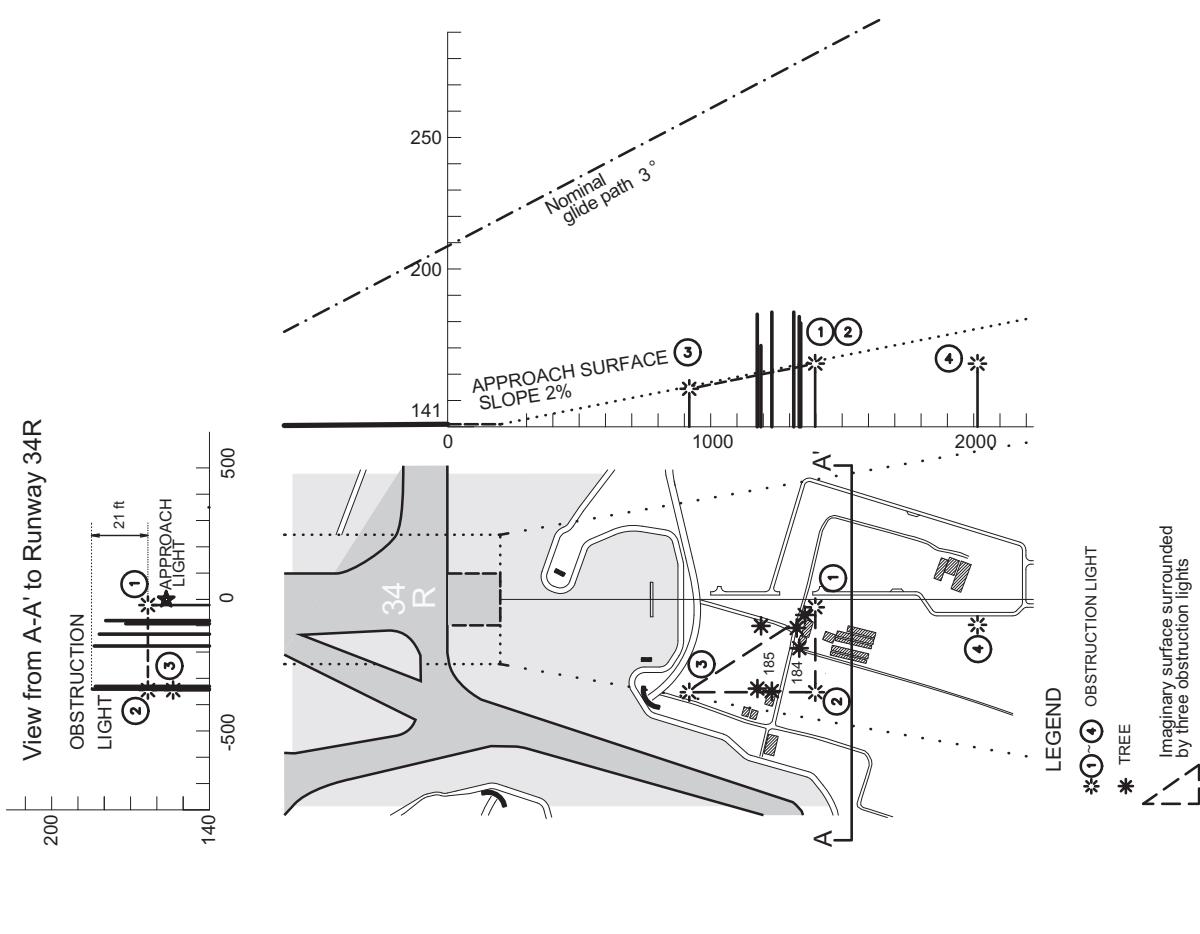
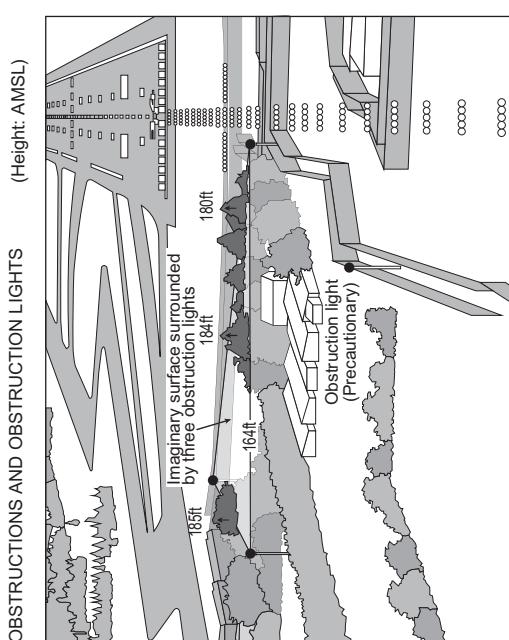
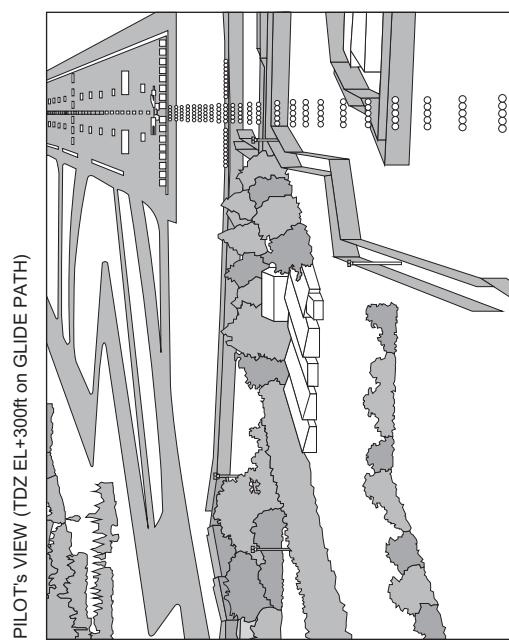
CHANGE : Visual REP abolished(Radisson).

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



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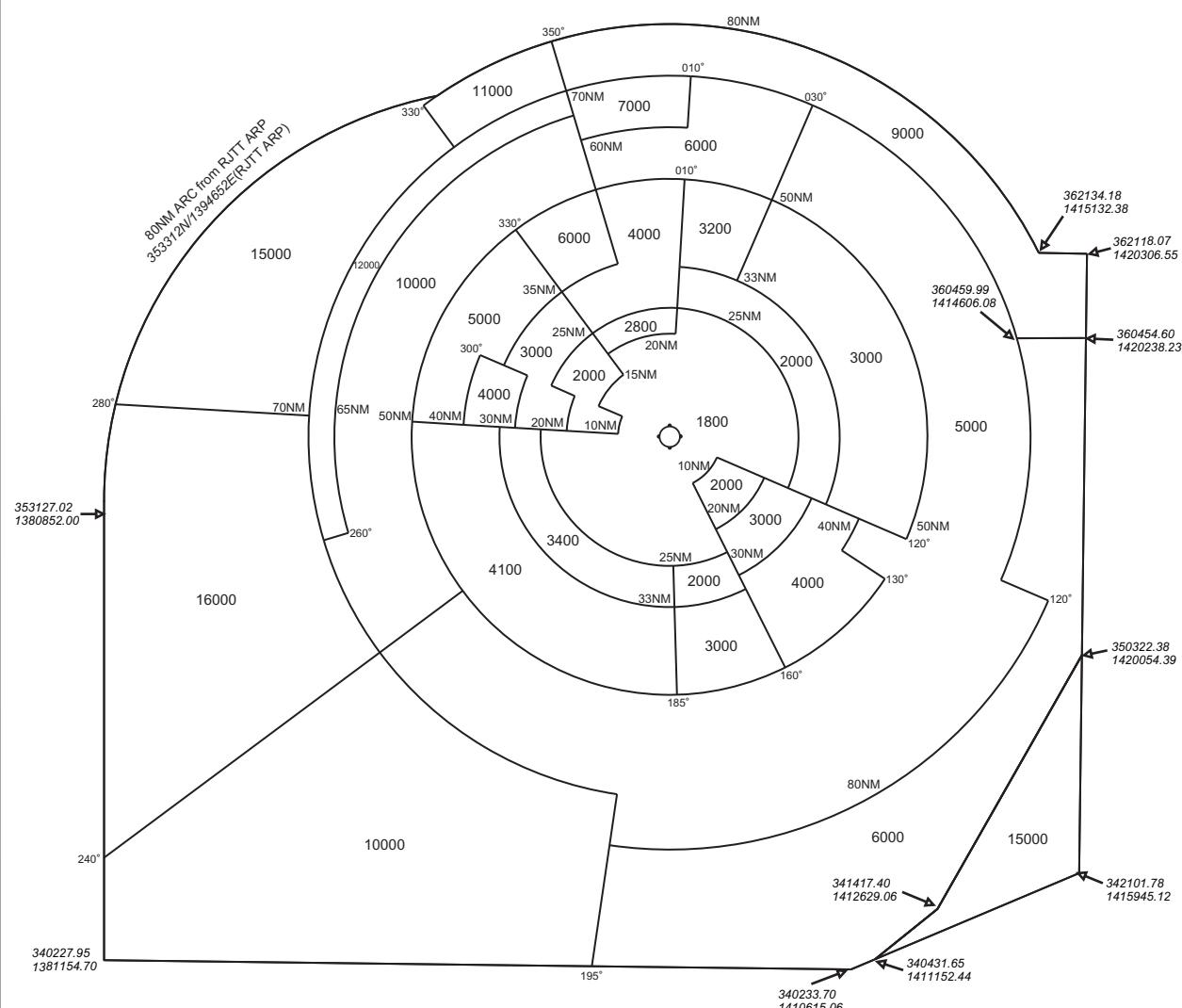
LDG CHART (Trees existence on final approach area of Runway 34R)



RJAA / NARITA INTL

Minimum Vectoring Altitude CHART

VAR 8° W(2023)



CHANGE : VAR.

INTENTIONALLY LEFT BLANK