RJBB / KANSAI INTL RNAV STAR RWY24L/24R ALISA DELTA ARRIVAL BECKY DELTA ARRIVAL RNAV1 BERTH DELTA ARRIVAL CANDY DELTA ARRIVAL 1) DME/DME/IRU or GNSS required. 2) RADAR service required. VAR 7° W(2016) VOR/DME **KOBE** 111.25 KCE CH-49Y 34°37′52″N/135°13′42″E MAYAH 343623.7N DME 1351211.0E AWAJI 4000 ALISA 1190 AJD CH-103X :=.-ALISA DELTA ARRIVAL 343042.6N **HAMAR** 1340804.1E 34°16′13″N/134°42′47″E 342434.7N 900FT 180: 1350304.1E **TOMOH** VOR/DME 341649.6N **TANTA** KANSAI 1350020.3E 341604.9N-111.8 KNE ÓŚÅ. 1342729.2E CH-55X 34°25′48″N/135°15′06″E 0FT 098 6000 **BERTH** BAGLE 340911.4N 1341900.0E **NALTO** ASAMI BERTH DELTA ARRIVAL VORTAC **TOKUSHIMA** DATIS TSC Ξ:_ 114.9 335852.0N EVIAN CH-96X 1345613.1E 335942.2N 34°07′47″N/134°36′31″E — 0FT <u>6000</u> 1343657.3E CANDY DELTA ARRIVAL 6000 **BECKY** 335509.0N CANDY 1343030.6E 335229.8N 1345541.8E BECKY DELTA ARRIVAL DME GOBOH **BAGLE** 1203 GBD CH–116X **Ξ**∷ 341051.4N 1345251.0E 33°54′36″N/135°06′22″E 1100FT **NALTO** 110° 340900.6N ASAMI 1344313.3E 340757.9N 6000 1344841.8E

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RNAV STAR RWY24L/24R

ALISA DELTA ARRIVAL

From ALISA, to TANTA, to NALTO at or above 6000FT, to ASAMI, to BAGLE, to TOMOH, to HAMAR, to MAYAH at 4000FT.

| Critical DME | AJD: 2.0NM to MAYAH - MAYAH KNE: 1.7NM to ASAMI - BAGLE GBD: 7.1NM to HAMAR - 5.1NM to HAMAR |
|-----------------------|--|
| DME GAP | _ |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

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|--------|------------|------------|------|----------------|-----------|----------|-----------|----------|--------|----------|---------------|
| Serial | Path | Waypoint | Fly | Course | Magnetic | Distance | Turn | Altitude | Speed | Vertical | Navigation |
| Number | Descriptor | Identifier | Over | [°M(°T)] | Variation | (NM) | Direction | (FT) | (KIAS) | Angle | Specification |
| 001 | IF | ALISA | _ | _ | -7.5 | _ | _ | _ | _ | _ | RNAV1 |
| 002 | TF | TANTA | _ | 140 (132.3) | -7.5 | 21.7 | _ | _ | _ | _ | RNAV1 |
| 003 | TF | NALTO | _ | 126 (118.4) | -7.5 | 14.8 | _ | +6000 | _ | _ | RNAV1 |
| 004 | TF | ASAMI | _ | 110 (103.0) | -7.5 | 4.7 | _ | _ | _ | _ | RNAV1 |
| 005 | TF | BAGLE | _ | 057 (049.9) | -7.5 | 4.5 | _ | _ | _ | _ | RNAV1 |
| 006 | TF | томон | _ | 054 (046.0) | -7.5 | 8.6 | _ | _ | _ | _ | RNAV1 |
| 007 | TF | HAMAR | _ | 024 (016.2) | -7.5 | 8.1 | _ | _ | _ | _ | RNAV1 |
| 008 | TF | MAYAH | _ | 040 (032.4) | -7.5 | 14.0 | _ | 4000 | _ | _ | RNAV1 |

BECKY DELTA ARRIVAL

From BECKY, to EVIAN at or above 6000FT, to ASAMI, to BAGLE, to TOMOH, to HAMAR, to MAYAH at 4000FT.

| Critical DME | KNE: ASAMI - BAGLE GBD: 7.1NM to HAMAR - 5.1NM to HAMAR AJD: 2.0NM to MAYAH - MAYAH |
|-----------------------|---|
| 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 | BECKY | _ | _ | -7.5 | _ | _ | _ | _ | _ | RNAV1 |
| 002 | TF | EVIAN | _ | 057 (049.5) | -7.5 | 7.0 | _ | +6000 | _ | _ | RNAV1 |
| 003 | TF | ASAMI | _ | 057 (049.6) | -7.5 | 12.8 | - | ı | ı | - | RNAV1 |
| 004 | TF | BAGLE | | 057 (049.9) | -7.5 | 4.5 | 1 | - | ı | _ | RNAV1 |
| 005 | TF | томон | | 054 (046.0) | -7.5 | 8.6 | - | _ | ı | _ | RNAV1 |
| 006 | TF | HAMAR | _ | 024 (016.2) | -7.5 | 8.1 | _ | _ | _ | _ | RNAV1 |
| 007 | TF | MAYAH | _ | 040 (032.4) | -7.5 | 14.0 | _ | 4000 | _ | _ | RNAV1 |

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BERTH DELTA ARRIVAL

From BERTH to NALTO at or above 6000FT, to ASAMI, to BAGLE, to TOMOH, to HAMAR, to MAYAH at 4000FT.

| Outto at DME | AJD: 8.1NM to NALTO - 5.1NM to NALTO 2.0NM to MAYAH - MAYAH |
|-----------------------|--|
| Critical DME | KNE: 1.7NM to ASAMI - BAGLE |
| | GBD: 7.1NM to HAMAR - 5.1NM to HAMAR |
| 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 | BERTH | _ | _ | -7.5 | _ | _ | _ | _ | _ | RNAV1 |
| 002 | TF | NALTO | _ | 098 (090.4) | -7.5 | 20.1 | _ | +6000 | _ | _ | RNAV1 |
| 003 | TF | ASAMI | _ | 110 (103.0) | -7.5 | 4.7 | _ | _ | _ | _ | RNAV1 |
| 004 | TF | BAGLE | _ | 057 (049.9) | -7.5 | 4.5 | 1 | ı | _ | _ | RNAV1 |
| 005 | TF | томон | _ | 054 (046.0) | -7.5 | 8.6 | 1 | _ | _ | _ | RNAV1 |
| 006 | TF | HAMAR | _ | 024 (016.2) | -7.5 | 8.1 | - | - | _ | _ | RNAV1 |
| 007 | TF | MAYAH | _ | 040 (032.4) | -7.5 | 14.0 | _ | 4000 | _ | _ | RNAV1 |

CANDY DELTA ARRIVAL

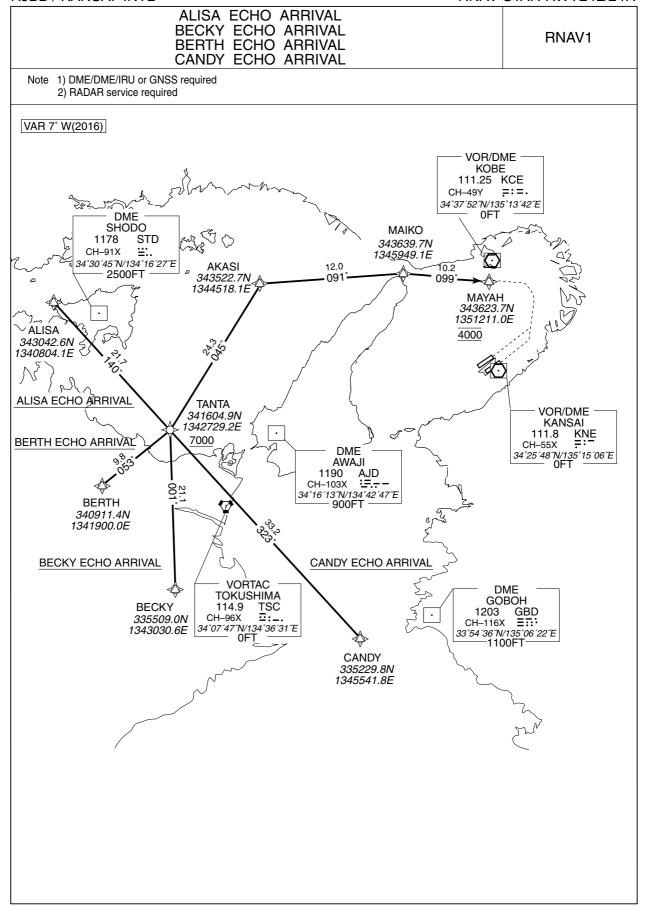
From CANDY, to DATIS at or above 6000FT, to TOMOH, to HAMAR, to MAYAH at 4000FT.

| Critical DME | GBD: 7.1NM to HAMAR - 5.1NM to HAMAR AJD: 2.0NM to MAYAH - MAYAH |
|-----------------------|---|
| 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 | CANDY | _ | _ | -7.5 | _ | _ | _ | _ | _ | RNAV1 |
| 002 | TF | DATIS | _ | 011 (003.9) | -7.5 | 6.4 | _ | +6000 | _ | _ | RNAV1 |
| 003 | TF | томон | _ | 018 (010.7) | -7.5 | 18.3 | _ | _ | _ | _ | RNAV1 |
| 004 | TF | HAMAR | _ | 024 (016.2) | -7.5 | 8.1 | - | _ | _ | _ | RNAV1 |
| 005 | TF | MAYAH | _ | 040 (032.4) | -7.5 | 14.0 | 1 | 4000 | _ | _ | RNAV1 |

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ALISA ECHO ARRIVAL

From ALISA, to TANTA at or above 7000FT, to AKASI, to MAIKO, to MAYAH at 4000FT.

| Critical DME | KTE: TANTA - 18.3NM to AKASI AJD: 14.3NM to AKASI - 9.3NM to AKASI KNE: 8.0NM to MAYAH - MAYAH |
|-----------------------|--|
| 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 | |
|------------------|--------------------|------------------------|-------------|--------------------|-----------------------|------------------|-------------------|------------------|-----------------|-------------------|-------|
| 001 | IF | ALISA | _ | _ | -7.5 | _ | _ | _ | - | _ | RNAV1 |
| 002 | TF | TANTA | _ | 140 (132.3) | -7.5 | 21.7 | _ | +7000 | _ | _ | RNAV1 |
| 003 | TF | AKASI | _ | 045 (037.2) | -7.5 | 24.3 | - | _ | ı | _ | RNAV1 |
| 004 | TF | MAIKO | _ | 091 (083.8) | -7.5 | 12.0 | - | _ | ı | _ | RNAV1 |
| 005 | TF | MAYAH | _ | 099 (091.4) | -7.5 | 10.2 | _ | 4000 | - | _ | RNAV1 |

BECKY ECHO ARRIVAL

From BECKY, to TANTA at or above 7000FT, to AKASI, to MAIKO, to MAYAH at 4000FT.

| Critical DME | KTE: TANTA - 18.3NM to AKASI AJD: 14.3NM to AKASI - 9.3NM to AKASI KNE: 8.0NM to MAYAH - MAYAH |
|-----------------------|--|
| 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 | | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|------------------|--------------------|------------------------|-------------|--------------------|-----------------------|------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001 | IF | BECKY | _ | _ | -7.5 | _ | _ | _ | _ | _ | RNAV1 |
| 002 | TF | TANTA | _ | 001 (353.2) | -7.5 | 21.1 | - | +7000 | _ | _ | RNAV1 |
| 003 | TF | AKASI | - | 045 (037.2) | -7.5 | 24.3 | 1 | _ | - | _ | RNAV1 |
| 004 | TF | MAIKO | | 091 (083.8) | -7.5 | 12.0 | ı | _ | 1 | _ | RNAV1 |
| 005 | TF | MAYAH | _ | 099 (091.4) | -7.5 | 10.2 | _ | 4000 | _ | _ | RNAV1 |

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RNAV STAR RWY24L/24R

BERTH ECHO ARRIVAL

From BERTH, to TANTA at or above 7000FT, to AKASI, to MAIKO, to MAYAH at 4000FT.

| Critical DME | KTE: TANTA - 18.3NM to AKASI AJD: 14.3NM to AKASI - 9.3NM to AKASI KNE: 8.0NM to MAYAH - MAYAH |
|-----------------------|--|
| 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 | BERTH | _ | _ | -7.5 | _ | _ | _ | _ | _ | RNAV1 |
| 002 | TF | TANTA | _ | 053 (045.5) | -7.5 | 9.8 | _ | +7000 | _ | _ | RNAV1 |
| 003 | TF | AKASI | _ | 045 (037.2) | -7.5 | 24.3 | _ | _ | _ | _ | RNAV1 |
| 004 | TF | MAIKO | _ | 091 (083.8) | -7.5 | 12.0 | - | _ | _ | _ | RNAV1 |
| 005 | TF | MAYAH | _ | 099 (091.4) | -7.5 | 10.2 | _ | 4000 | _ | _ | RNAV1 |

CANDY ECHO ARRIVAL

From CANDY, to TANTA at or above 7000FT, to AKASI, to MAIKO, to MAYAH at 4000FT.

| Critical DME | KTE: TANTA - 18.3NM to AKASI AJD: 14.3NM to AKASI - 9.3NM to AKASI KNE: 8.0NM to MAYAH - MAYAH | | | | | |
|-----------------------|--|--|--|--|--|--|
| 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 | CANDY | _ | _ | -7.5 | _ | _ | _ | _ | _ | RNAV1 |
| 002 | TF | TANTA | _ | 323 (315.4) | -7.5 | 33.2 | _ | +7000 | _ | _ | RNAV1 |
| 003 | TF | AKASI | _ | 045 (037.2) | -7.5 | 24.3 | _ | _ | _ | _ | RNAV1 |
| 004 | TF | MAIKO | _ | 091 (083.8) | -7.5 | 12.0 | _ | - | _ | _ | RNAV1 |
| 005 | TF | MAYAH | _ | 099 (091.4) | -7.5 | 10.2 | _ | 4000 | _ | _ | RNAV1 |