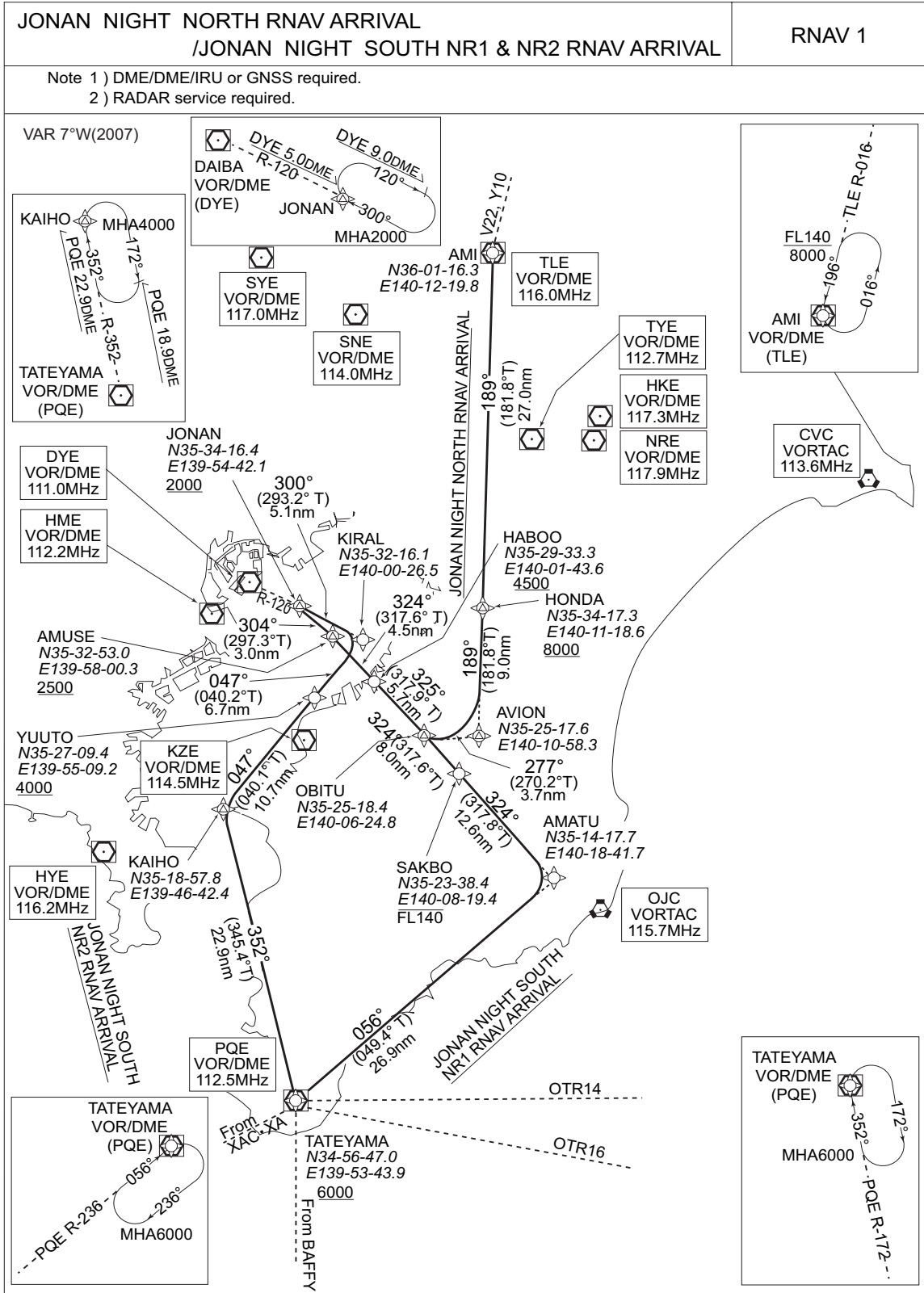


STANDARD ARRIVAL CHART-INSTRUMENT

RJTT / TOKYO INTL

RNAV STAR
RWY16L/16R



RJTT / TOKYO INTL

RNAV STAR
RWY16L/16R

JONAN NIGHT NORTH RNAV ARRIVAL

From TLE, to HONDA at or above 8,000ft, to AVION, turn right to OBITU, turn right to HABOO at or above 4,500ft, to AMUSE at or above 2,500ft, turn left to JONAN at or above 2,000ft.

| FIX | DESIGNATION | COORDINATES | Rcmd. Path Terminator | Fix ID (Waypoint Name) | Fly Over | Distance (NM) | MAG Track (TRUE Track) | Turn Direction | Altitude (ft.) | Speed Limit (kt) | Vertical Angle | Navigation Performance |
|------------------------|---|----------------------|-----------------------|------------------------|----------|---------------|------------------------|----------------|----------------|------------------|----------------|------------------------|
| | | | | | | | | | | | | |
| | AMI (TLE) | 360116.3N 1401219.8E | | | | | | | | | | |
| | HONDA | 353417.3N 1401118.6E | | | | | | | | | | |
| | AVION | 352517.6N 1401058.3E | | | | | | | | | | |
| | OBITU | 352518.4N 1400624.8E | | | | | | | | | | |
| | HABOO | 352933.3N 1400143.6E | | | | | | | | | | |
| | AMUSE | 353253.0N 1395800.3E | | | | | | | | | | |
| | JONAN | 353416.4N 1395442.1E | | | | | | | | | | |
| Critical DME | - | | | | | | | | | | | |
| DME GAP | - | | | | | | | | | | | |
| Inappropriate Nav aids | See General Rule 3. Inappropriate NAVAIDs for RNAV1 | | | | | | | | | | | |
| | IF | | | TLE | - | - | - | - | - | - | - | RNAV1 |
| | TF | | | HONDA | - | 27.0 | 189° (181.8°) | - | +8000 | - | - | RNAV1 |
| | TF | | | AVION | - | 9.0 | 189° (181.8°) | - | - | - | - | RNAV1 |
| | TF | | | OBITU | - | 3.7 | 277° (270.2°) | - | - | - | - | RNAV1 |
| | TF | | | HABOO | - | 5.7 | 325° (317.9°) | - | +4500 | - | - | RNAV1 |
| | TF | | | AMUSE | - | 4.5 | 324° (317.6°) | - | +2500 | - | - | RNAV1 |
| | TF | | | JONAN | - | 3.0 | 304° (297.3°) | - | +2000 | - | - | RNAV1 |

JONAN NIGHT SOUTH NR1 RNAV ARRIVAL

From PQE at or above 6,000ft, to AMATU, turn left to SAKBO at or below FL140, to HABOO at or above 4,500ft, to AMUSE at or above 2,500ft, turn left to JONAN at or above 2,000ft.

| FIX | DESIGNATION | COORDINATES | Rcmd. Path Terminator | Fix ID (Waypoint Name) | Fly Over | Distance (NM) | MAG Track (TRUE Track) | Turn Direction | Altitude (ft.) | Speed Limit (kt) | Vertical Angle | Navigation Performance |
|------------------------|---|----------------------|-----------------------|------------------------|----------|---------------|------------------------|----------------|----------------|------------------|----------------|------------------------|
| | | | | | | | | | | | | |
| | TATEYAMA (PQE) | 345647.0N 1395343.9E | | | | | | | | | | |
| | AMATU | 351417.7N 1401841.7E | | | | | | | | | | |
| | SAKBO | 352338.4N 1400819.4E | | | | | | | | | | |
| | HABOO | 352933.3N 1400143.6E | | | | | | | | | | |
| | AMUSE | 353253.0N 1395800.3E | | | | | | | | | | |
| | JONAN | 353416.4N 1395442.1E | | | | | | | | | | |
| Critical DME | - | | | | | | | | | | | |
| DME GAP | - | | | | | | | | | | | |
| Inappropriate Nav aids | See General Rule 3. Inappropriate NAVAIDs for RNAV1 | | | | | | | | | | | |
| | IF | | | PQE | - | - | - | - | +6000 | - | - | RNAV1 |
| | TF | | | AMATU | - | 26.9 | 056° (049.4°) | - | - | - | - | RNAV1 |
| | TF | | | SAKBO | - | 12.6 | 324° (317.8°) | - | -FL140 | - | - | RNAV1 |
| | TF | | | HABOO | - | 8.0 | 324° (317.6°) | - | +4500 | - | - | RNAV1 |
| | TF | | | AMUSE | - | 4.5 | 324° (317.6°) | - | +2500 | - | - | RNAV1 |
| | TF | | | JONAN | - | 3.0 | 304° (297.3°) | - | +2000 | - | - | RNAV1 |

JONAN NIGHT SOUTH NR2 RNAV ARRIVAL

From PQE at or above 6,000ft, to KAIHO, turn right to YUUTO at or above 4,000ft, to KIRAL, turn left to JONAN at or above 2,000ft.

| FIX | DESIGNATION | COORDINATES | Rcmd. Path Terminator | Fix ID (Waypoint Name) | Fly Over | Distance (NM) | MAG Track (TRUE Track) | Turn Direction | Altitude (ft.) | Speed Limit (kt) | Vertical Angle | Navigation Performance |
|------------------------|---|----------------------|-----------------------|------------------------|----------|---------------|------------------------|----------------|----------------|------------------|----------------|------------------------|
| | | | | | | | | | | | | |
| | TATEYAMA (PQE) | 345647.0N 1395343.9E | | | | | | | | | | |
| | KAIHO | 351857.8N 1394642.4E | | | | | | | | | | |
| | YUUTO | 352709.4N 1395509.2E | | | | | | | | | | |
| | KIRAL | 353216.1N 1400026.5E | | | | | | | | | | |
| | JONAN | 353416.4N 1395442.1E | | | | | | | | | | |
| Critical DME | - | | | | | | | | | | | |
| DME GAP | - | | | | | | | | | | | |
| Inappropriate Nav aids | See General Rule 3. Inappropriate NAVAIDs for RNAV1 | | | | | | | | | | | |
| | IF | | | PQE | - | - | - | - | +6000 | - | - | RNAV1 |
| | TF | | | KAIHO | - | 22.9 | 352° (345.4°) | - | - | - | - | RNAV1 |
| | TF | | | YUUTO | - | 10.7 | 047° (040.1°) | - | +4000 | - | - | RNAV1 |
| | TF | | | KIRAL | - | 6.7 | 047° (040.2°) | - | - | - | - | RNAV1 |
| | TF | | | JONAN | - | 5.1 | 300° (293.2°) | - | +2000 | - | - | RNAV1 |