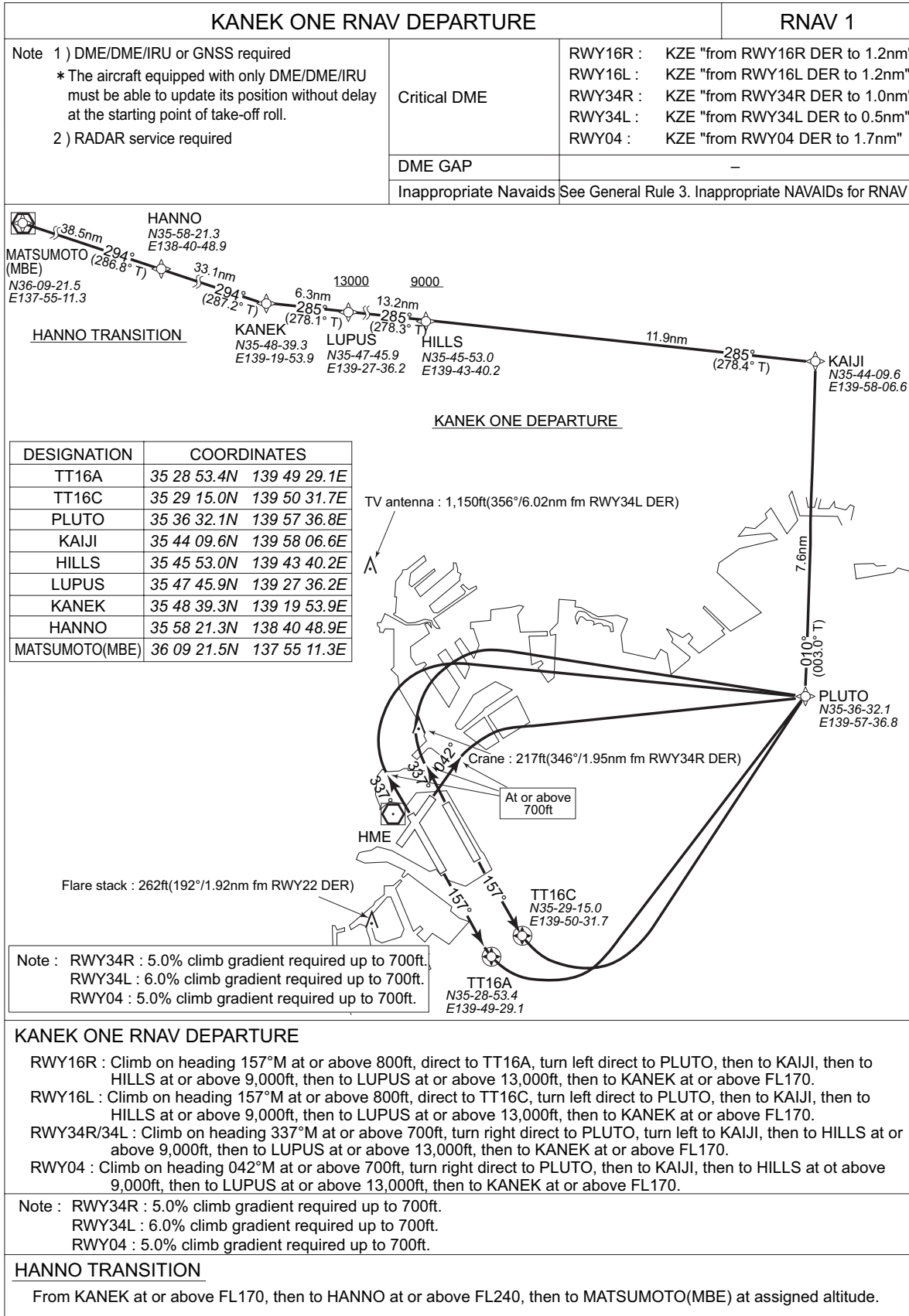


STANDARD DEPARTURE CHART-INSTRUMENT

RJTT / TOKYO INTL

RNAV SID



KANEK ONE RNAV DEPARTURE

RWY16R : Climb on heading 157°M at or above 800ft, direct to TT16A, turn left direct to PLUTO, then to KAIJI, then to HILLS at or above 9,000ft, then to LUPUS at or above 13,000ft, then to KANEK at or above FL170.
RWY16L : Climb on heading 157°M at or above 800ft, direct to TT16C, turn left direct to PLUTO, then to KAIJI, then to HILLS at or above 9,000ft, then to LUPUS at or above 13,000ft, then to KANEK at or above FL170.
RWY34R/34L : Climb on heading 337°M at or above 700ft, turn right direct to PLUTO, turn left to KAIJI, then to HILLS at or above 9,000ft, then to LUPUS at or above 13,000ft, then to KANEK at or above FL170.
RWY04 : Climb on heading 042°M at or above 700ft, turn right direct to PLUTO, then to KAIJI, then to HILLS at or above 9,000ft, then to LUPUS at or above 13,000ft, then to KANEK at or above FL170.

Note : RWY34R : 5.0% climb gradient required up to 700ft.
RWY34L : 6.0% climb gradient required up to 700ft.
RWY04 : 5.0% climb gradient required up to 700ft.

HANNO TRANSITION

From KANEK at or above FL170, then to HANNO at or above FL240, then to MATSUMOTO(MBE) at assigned altitude.

RJTT / TOKYO INTL

RNAV SID and TRANSITION

KANEK ONE RNAV DEPARTURE

RWY16R

| 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 |
|-----------------------|------------------------|----------|---------------|------------------------|----------------|---------------|-----------------|----------------|------------------------|
| VA | — | — | — | 157° (149.9°) | — | 800 | — | — | RNAV1 |
| DF | TT16A | Y | — | — | — | — | — | — | RNAV1 |
| DF | PLUTO | — | — | — | L | — | — | — | RNAV1 |
| TF | KAIJI | — | 7.6 | 010° (003.0°) | — | — | — | — | RNAV1 |
| TF | HILLS | — | 11.9 | 285° (278.4°) | — | +9000 | — | — | RNAV1 |
| TF | LUPUS | — | 13.2 | 285° (278.3°) | — | +13000 | — | — | RNAV1 |
| TF | KANEK | — | 6.3 | 285° (278.1°) | — | +FL170 | — | — | RNAV1 |

RWY16L

| 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 |
|-----------------------|------------------------|----------|---------------|------------------------|----------------|---------------|-----------------|----------------|------------------------|
| VA | — | — | — | 157° (149.9°) | — | 800 | — | — | RNAV1 |
| DF | TT16C | Y | — | — | — | — | — | — | RNAV1 |
| DF | PLUTO | — | — | — | L | — | — | — | RNAV1 |
| TF | KAIJI | — | 7.6 | 010° (003.0°) | — | — | — | — | RNAV1 |
| TF | HILLS | — | 11.9 | 285° (278.4°) | — | +9000 | — | — | RNAV1 |
| TF | LUPUS | — | 13.2 | 285° (278.3°) | — | +13000 | — | — | RNAV1 |
| TF | KANEK | — | 6.3 | 285° (278.1°) | — | +FL170 | — | — | RNAV1 |

RWY34L/34R

| 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 |
|-----------------------|------------------------|----------|---------------|------------------------|----------------|---------------|-----------------|----------------|------------------------|
| VA | — | — | — | 337° (329.9°) | — | 700 | — | — | RNAV1 |
| DF | PLUTO | — | — | — | R | — | — | — | RNAV1 |
| TF | KAIJI | — | 7.6 | 010° (003.0°) | — | — | — | — | RNAV1 |
| TF | HILLS | — | 11.9 | 285° (278.4°) | — | +9000 | — | — | RNAV1 |
| TF | LUPUS | — | 13.2 | 285° (278.3°) | — | +13000 | — | — | RNAV1 |
| TF | KANEK | — | 6.3 | 285° (278.1°) | — | +FL170 | — | — | RNAV1 |

Note: RWY34R : 5.0% climb gradient required up to 700ft.

RWY34L : 6.0% climb gradient required up to 700ft.

RWY04

| 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 |
|-----------------------|------------------------|----------|---------------|------------------------|----------------|---------------|-----------------|----------------|------------------------|
| VA | — | — | — | 042° (035.1°) | — | 700 | — | — | RNAV1 |
| DF | PLUTO | — | — | — | R | — | — | — | RNAV1 |
| TF | KAIJI | — | 7.6 | 010° (003.0°) | — | — | — | — | RNAV1 |
| TF | HILLS | — | 11.9 | 285° (278.4°) | — | +9000 | — | — | RNAV1 |
| TF | LUPUS | — | 13.2 | 285° (278.3°) | — | +13000 | — | — | RNAV1 |
| TF | KANEK | — | 6.3 | 285° (278.1°) | — | +FL170 | — | — | RNAV1 |

Note: RWY04 : 5.0% climb gradient required up to 700ft.

RJTT / TOKYO INTL

RNAV SID and TRANSITION

HANNO TRANSITION

| 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 |
|-----------------------|------------------------|----------|---------------|------------------------|----------------|---------------|-----------------|----------------|------------------------|
| IF | KANEK | — | — | — | — | +FL170 | — | — | RNAV1 |
| TF | HANNO | — | 33.1 | 294° (287.2°) | — | +FL240 | — | — | RNAV1 |
| TF | MATSUMOTO (MBE) | — | 38.5 | 294° (287.2°) | — | — | — | — | RNAV1 |