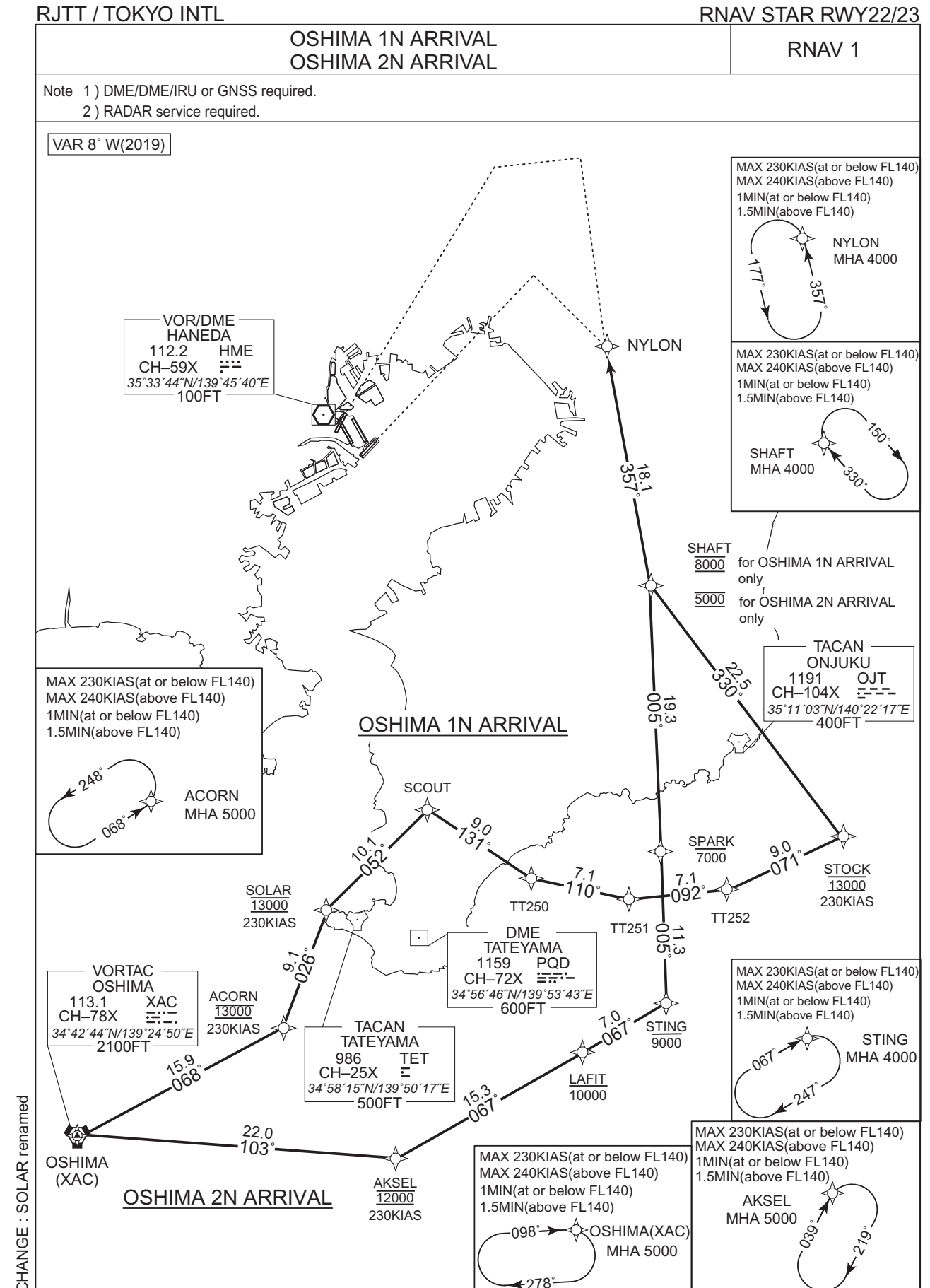


STANDARD ARRIVAL CHART-INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT

RJTT / TOKYO INTL

RNAV STAR RWY22/23

OSHIMA 1N ARRIVAL

From XAC, to ACORN at 13000FT, to SOLAR at 13000FT, to SCOUT, to TT250, to TT251, to TT252, to STOCK at 13000FT, to SHAFT at 8000FT, to NYLON.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | XAC | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | ACORN | — | 068 (060.8) | -7.5 | 15.9 | — | 13000 | 230 | — | RNAV1 |
| 003 | TF | SOLAR | — | 026 (018.4) | -7.5 | 9.1 | — | 13000 | 230 | — | RNAV1 |
| 004 | TF | SCOUT | — | 052 (044.3) | -7.5 | 10.1 | — | — | — | — | RNAV1 |
| 005 | TF | TT250 | — | 131 (123.1) | -7.5 | 9.0 | — | — | — | — | RNAV1 |
| 006 | TF | TT251 | — | 110 (102.5) | -7.5 | 7.1 | — | — | — | — | RNAV1 |
| 007 | TF | TT252 | — | 092 (084.3) | -7.5 | 7.1 | — | — | — | — | RNAV1 |
| 008 | TF | STOCK | — | 071 (063.6) | -7.5 | 9.0 | — | 13000 | 230 | — | RNAV1 |
| 009 | TF | SHAFT | — | 330 (322.4) | -7.5 | 22.5 | — | 8000 | — | — | RNAV1 |
| 010 | TF | NYLON | — | 357 (350.0) | -7.5 | 18.1 | — | — | — | — | 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 | XAC | 098 (090.3) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ACORN | 068 (060.8) | -7.5 | 1.0(-14000) 1.5(+14001) | — | L | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | SHAFT | 330 (322.4) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | NYLON | 357 (350.0) | -7.5 | 1.0(-14000) 1.5(+14001) | — | L | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : SOLAR renamed

STANDARD ARRIVAL CHART-INSTRUMENT

RJTT / TOKYO INTL

RNAV STAR RWY22/23

OSHIMA 2N ARRIVAL

From XAC, to AKSEL at 12000FT, to LAFIT at or below 10000FT, to STING at or below 9000FT, to SPARK at or below 7000FT, to SHAFT at 5000FT, to NYLON.

| | |
|-----------------------|---|
| 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 | XAC | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | AKSEL | — | 103 (095.3) | -7.5 | 22.0 | — | 12000 | 230 | — | RNAV1 |
| 003 | TF | LAFIT | — | 067 (059.5) | -7.5 | 15.3 | — | -10000 | — | — | RNAV1 |
| 004 | TF | STING | — | 067 (059.6) | -7.5 | 7.0 | — | -9000 | — | — | RNAV1 |
| 005 | TF | SPARK | — | 005 (357.4) | -7.5 | 11.3 | — | -7000 | — | — | RNAV1 |
| 006 | TF | SHAFT | — | 005 (357.4) | -7.5 | 19.3 | — | 5000 | — | — | RNAV1 |
| 007 | TF | NYLON | — | 357 (350.0) | -7.5 | 18.1 | — | — | — | — | 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 | XAC | 098 (090.3) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | AKSEL | 039 (031.2) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | STING | 067 (059.6) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | SHAFT | 330 (322.4) | -7.5 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | NYLON | 357 (350.0) | -7.5 | 1.0(-14000) 1.5(+14001) | — | L | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | Waypoint Identifier | Coordinates |
|---------------------|------------------------|---------------------|------------------------|
| ACORN | 345028.8N / 1394146.7E | SPARK | 350312.0N / 1401416.7E |
| AKSEL | 344039.5N / 1395126.9E | STOCK | 350438.7N / 1403002.9E |
| LAFIT | 344826.0N / 1400732.4E | STING | 345157.9N / 1401453.4E |
| NYLON | 354018.5N / 1400919.9E | TT250 | 350129.7N / 1400308.5E |
| SCOUT | 350624.1N / 1395356.8E | TT251 | 345957.7N / 1401136.0E |
| SHAFT | 352227.4N / 1401313.3E | TT252 | 350039.9N / 1402013.0E |
| SOLAR | 345909.2N / 1394518.5E | XAC | 344244.1N / 1392450.5E |

CHANGE : SOLAR renamed