**STANDARD DEPARTURE CHART -INSTRUMENT**
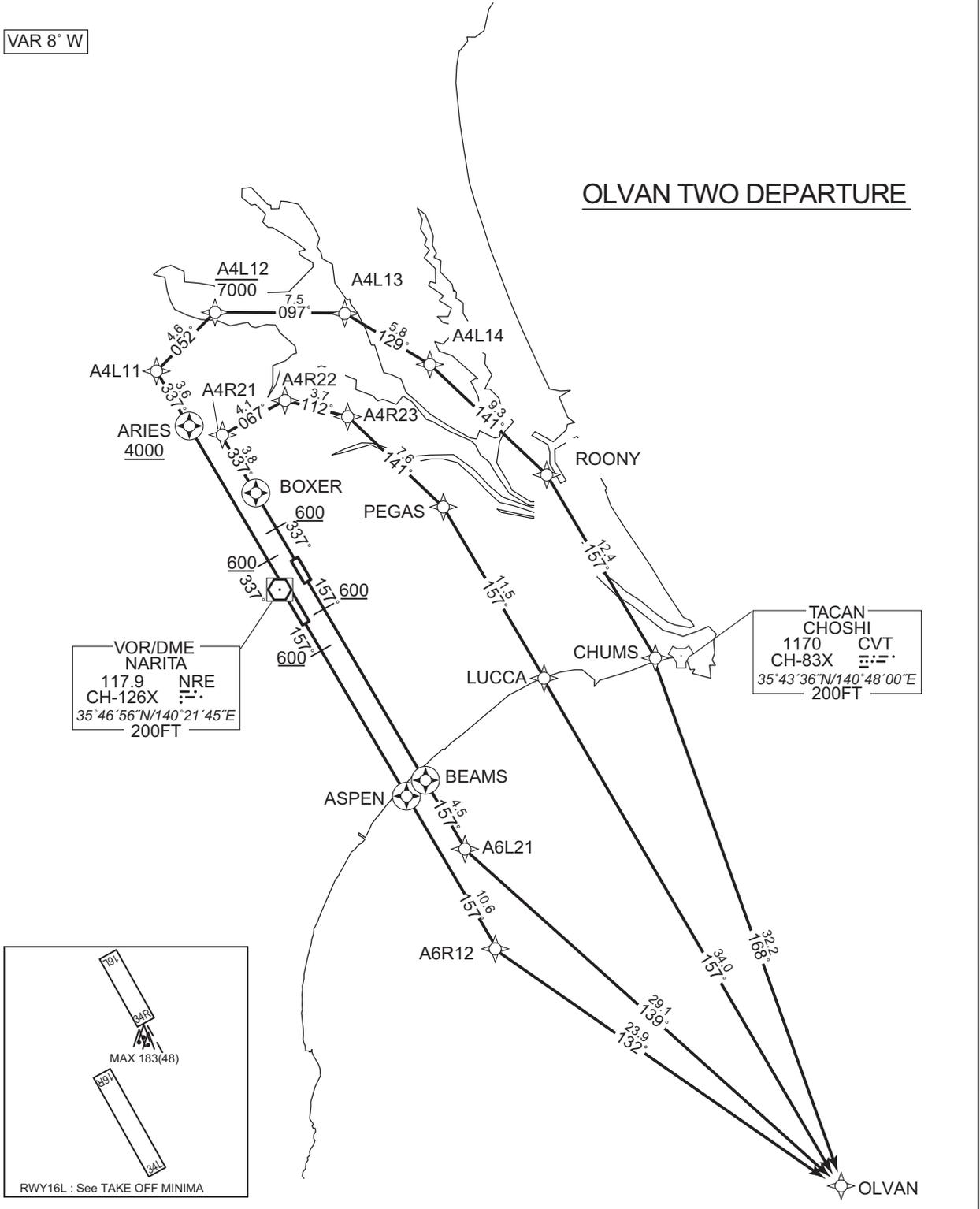
## RJAA / NARITA INTL    RNAV SID

| OLVAN 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

OLVAN TWO DEPARTURE



A4L12 7000
A4L13
A4L14
7.5 097°
4.6 052°
5.8 129°
9.3 141°
A4L11
3.6 337°
A4R21
A4R22
A4R23
4.1 067°
3.7 112°
7.6 141°
ARIES 4000
3.8 337°
BOXER 600
337°
ROONY
PEGAS
157° 12.4
600 337°
600 157°
600
157°
11.5 157°
VOR/DME NARITA 117.9 CH-126X NRE 35°46′56″N/140°21′45″E 200FT
CHUMS
LUCCA
TACAN CHOSHI 1170 CVT CH-83X 35°43′36″N/140°48′00″E 200FT
BEAMS
ASPEN
157° 4.5
A6L21
10.6 157°
322° 168°
34.0 157°
29.1 139°
A6R12
23.9 132°
OLVAN

**CHANGE : Description of VAR.**

19L
34R
MAX 183(48)
19R
34L
RWY16L : See TAKE OFF MINIMA

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL                                                                    RNAV SID

<u>OLVAN TWO DEPARTURE</u>

RWY16R :  Climb on HDG 157˚ at or above 600FT, direct to <u>ASPEN</u>, to A6R12,
to OLVAN.

RWY16L :  Climb on HDG 157˚ at or above 600FT, direct to <u>BEAMS</u>, to A6L21,
to OLVAN.

RWY34L :  Climb on HDG 337˚ at or above 600FT, direct to <u>ARIES</u> 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 <u>BOXER</u>, 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

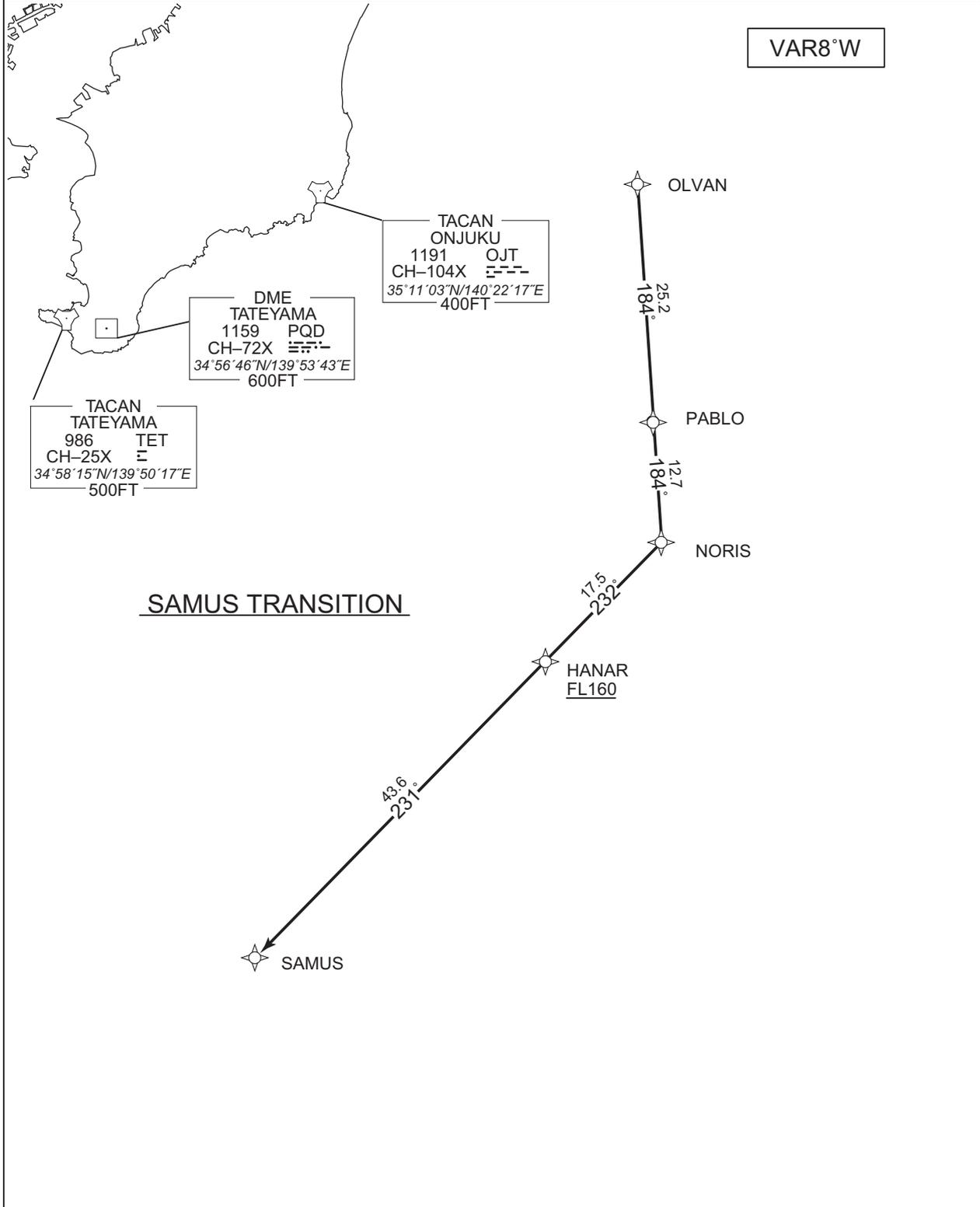| Waypoint Identifier | Coordinates | Waypoint Identifier | Coordinates |
|---|---|---|---|
| A4L11 | 355915.6N / 1401249.1E | ARIES | 355607.4N / 1401505.9E |
| A4L12 | 360232.6N / 1401646.8E | ASPEN | 353451.0N / 1403028.1E |
| A4L13 | 360236.7N / 1402559.7E | BEAMS | 353533.0N / 1403153.1E |
| A4L14 | 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 |

VAR8°W

OLVAN

TACAN
ONJUKU
1191    OJT
CH–104X
*35°11′03″N/140°22′17″E*
400FT

DME
TATEYAMA
1159    PQD
CH–72X
*34°56′46″N/139°53′43″E*
600FT

25.2
184°

PABLO

12.7
184°

TACAN
TATEYAMA
986    TET
CH–25X    Ξ
*34°58′15″N/139°50′17″E*
500FT

NORIS

## SAMUS TRANSITION

17.5
232°

HANAR
FL160

43.6
231°

SAMUS

CHANGE : Description of VAR.

**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 | | |

CHANGE : New PROC

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