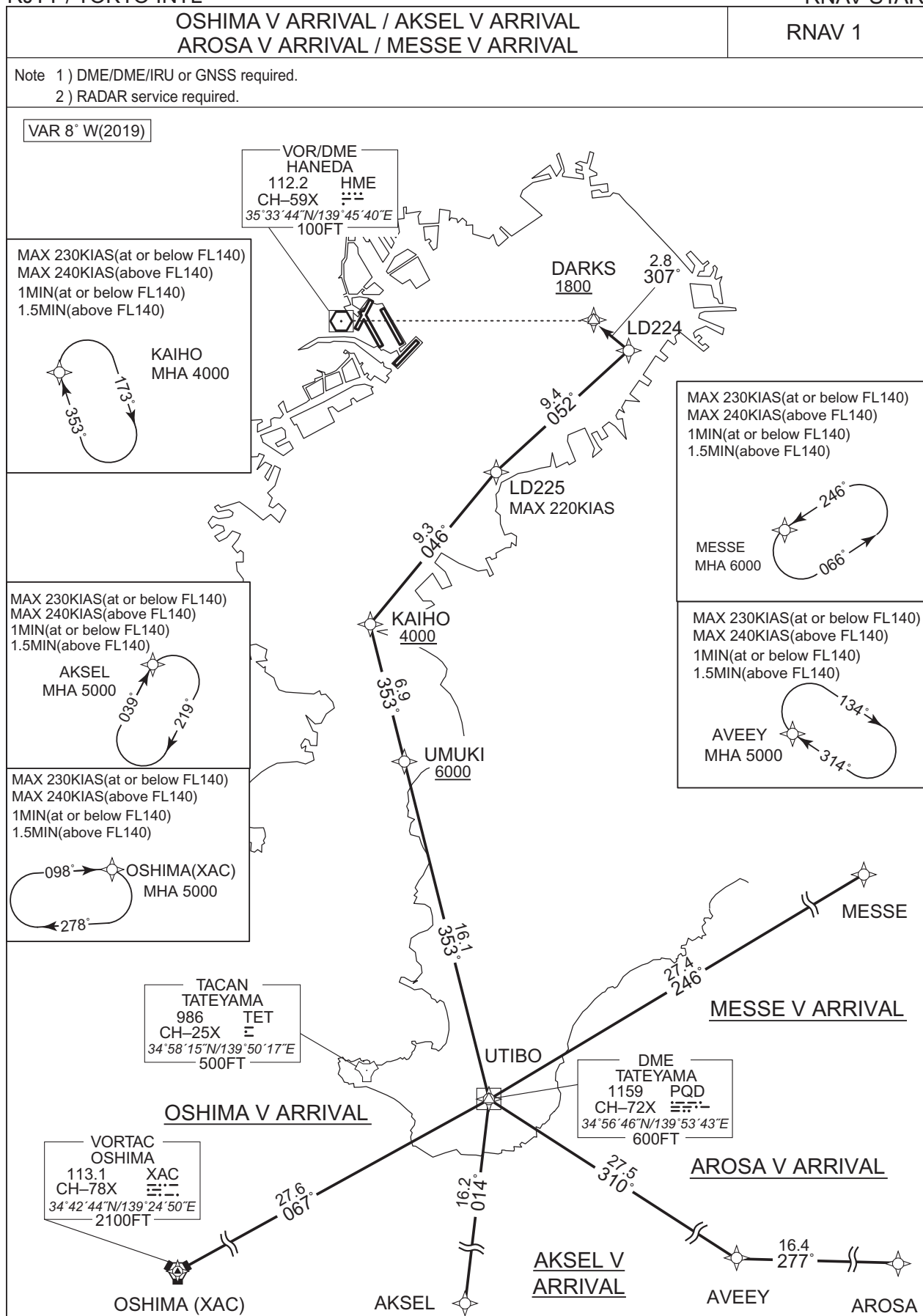


STANDARD ARRIVAL CHART-INSTRUMENT

RJTT / TOKYO INTL

RNAV STAR



STANDARD ARRIVAL CHART-INSTRUMENT

RJTT / TOKYO INTL

RNAV STAR

OSHIMA V ARRIVAL

From XAC, to UTIBO, to UMUKI at or above 6000FT, to KAIHO at or above 4000FT, to LD225, to LD224, to DARKS at or above 1800FT.

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	UTIBO	—	067 (059.2)	-7.5	27.6	—	—	—	—	RNAV1
003	TF	UMUKI	—	353 (345.5)	-7.5	16.1	—	+6000	—	—	RNAV1
004	TF	KAIHO	—	353 (345.5)	-7.5	6.9	—	+4000	—	—	RNAV1
005	TF	LD225	—	046 (038.9)	-7.5	9.3	—	—	-220	—	RNAV1
006	TF	LD224	—	052 (044.9)	-7.5	9.4	—	—	—	—	RNAV1
007	TF	DARKS	—	307 (299.7)	-7.5	2.8	—	+1800	—	—	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	KAIHO	353 (345.5)	-7.5	1.0(-14000) 1.5(+14001)	—	R	4000	—	-230(-14000) -240(+14001)	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJTT / TOKYO INTL

RNAV STAR

AKSEL V ARRIVAL

From AKSEL, to UTIBO, to UMUKE at or above 6000FT, to KAIHO at or above 4000FT, to LD225, to LD224, to DARKS at or above 1800FT.

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	AKSEL	—	—	-7.5	—	—	—	—	—	RNAV1
002	TF	UTIBO	—	014 (006.6)	-7.5	16.2	—	—	—	—	RNAV1
003	TF	UMUKI	—	353 (345.5)	-7.5	16.1	—	+6000	—	—	RNAV1
004	TF	KAIHO	—	353 (345.5)	-7.5	6.9	—	+4000	—	—	RNAV1
005	TF	LD225	—	046 (038.9)	-7.5	9.3	—	—	-220	—	RNAV1
006	TF	LD224	—	052 (044.9)	-7.5	9.4	—	—	—	—	RNAV1
007	TF	DARKS	—	307 (299.7)	-7.5	2.8	—	+1800	—	—	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	AKSEL	039 (031.2)	-7.5	1.0(-14000) 1.5(+14001)	—	R	5000	—	-230(-14000) -240(+14001)	RNAV1
Hold	KAIHO	353 (345.5)	-7.5	1.0(-14000) 1.5(+14001)	—	R	4000	—	-230(-14000) -240(+14001)	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJTT / TOKYO INTL

RNAV STAR

AROSA V ARRIVAL

From AROSA, to AVEEY, to UTIBO, to UMUKEI at or above 6000FT, to KAIHO at or above 4000FT, to LD225, to LD224, to DARKS at or above 1800FT.

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	AROSA	—	—	-7.5	—	—	—	—	—	RNAV1
002	TF	AVEEY	—	277 (269.8)	-7.5	16.4	—	—	—	—	RNAV1
003	TF	UTIBO	—	310 (302.8)	-7.5	27.5	—	—	—	—	RNAV1
004	TF	UMUKI	—	353 (345.5)	-7.5	16.1	—	+6000	—	—	RNAV1
005	TF	KAIHO	—	353 (345.5)	-7.5	6.9	—	+4000	—	—	RNAV1
006	TF	LD225	—	046 (038.9)	-7.5	9.3	—	—	-220	—	RNAV1
007	TF	LD224	—	052 (044.9)	-7.5	9.4	—	—	—	—	RNAV1
008	TF	DARKS	—	307 (299.7)	-7.5	2.8	—	+1800	—	—	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	AVEEY	314 (306.1)	-7.5	1.0(-14000) 1.5(+14001)	—	R	5000	—	-230(-14000) -240(+14001)	RNAV1
Hold	KAIHO	353 (345.5)	-7.5	1.0(-14000) 1.5(+14001)	—	R	4000	—	-230(-14000) -240(+14001)	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJTT / TOKYO INTL

RNAV STAR

MESSE V ARRIVAL

From MESSE, to UTIBO, to UMUKI at or above 6000FT, to KAIHO at or above 4000FT, to LD225, to LD224, to DARKS at or above 1800FT.

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	MESSE	—	—	-7.5	—	—	—	—	—	RNAV1
002	TF	UTIBO	—	246 (238.8)	-7.5	27.4	—	—	—	—	RNAV1
003	TF	UMUKI	—	353 (345.5)	-7.5	16.1	—	+6000	—	—	RNAV1
004	TF	KAIHO	—	353 (345.5)	-7.5	6.9	—	+4000	—	—	RNAV1
005	TF	LD225	—	046 (038.9)	-7.5	9.3	—	—	-220	—	RNAV1
006	TF	LD224	—	052 (044.9)	-7.5	9.4	—	—	—	—	RNAV1
007	TF	DARKS	—	307 (299.7)	-7.5	2.8	—	+1800	—	—	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	MESSE	246 (238.8)	-7.5	1.0(-14000) 1.5(+14001)	—	L	6000	—	-230(-14000) -240(+14001)	RNAV1
Hold	KAIHO	353 (345.5)	-7.5	1.0(-14000) 1.5(+14001)	—	R	4000	—	-230(-14000) -240(+14001)	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AKSEL	344039.5N / 1395126.9E	LD225	352614.1N / 1395353.4E
AROSA	344201.7N / 1404157.3E	MESSE	351100.8N / 1402214.7E
AVEEY	344155.9N / 1402158.0E	UMUKI	351219.1N / 1394849.2E
DARKS	353414.8N / 1395902.9E	UTIBO	345647.0N / 1395343.9E
KAIHO	351857.8N / 1394642.4E	XAC	344244.1N / 1392450.5E
LD224	353252.5N / 1400200.0E		