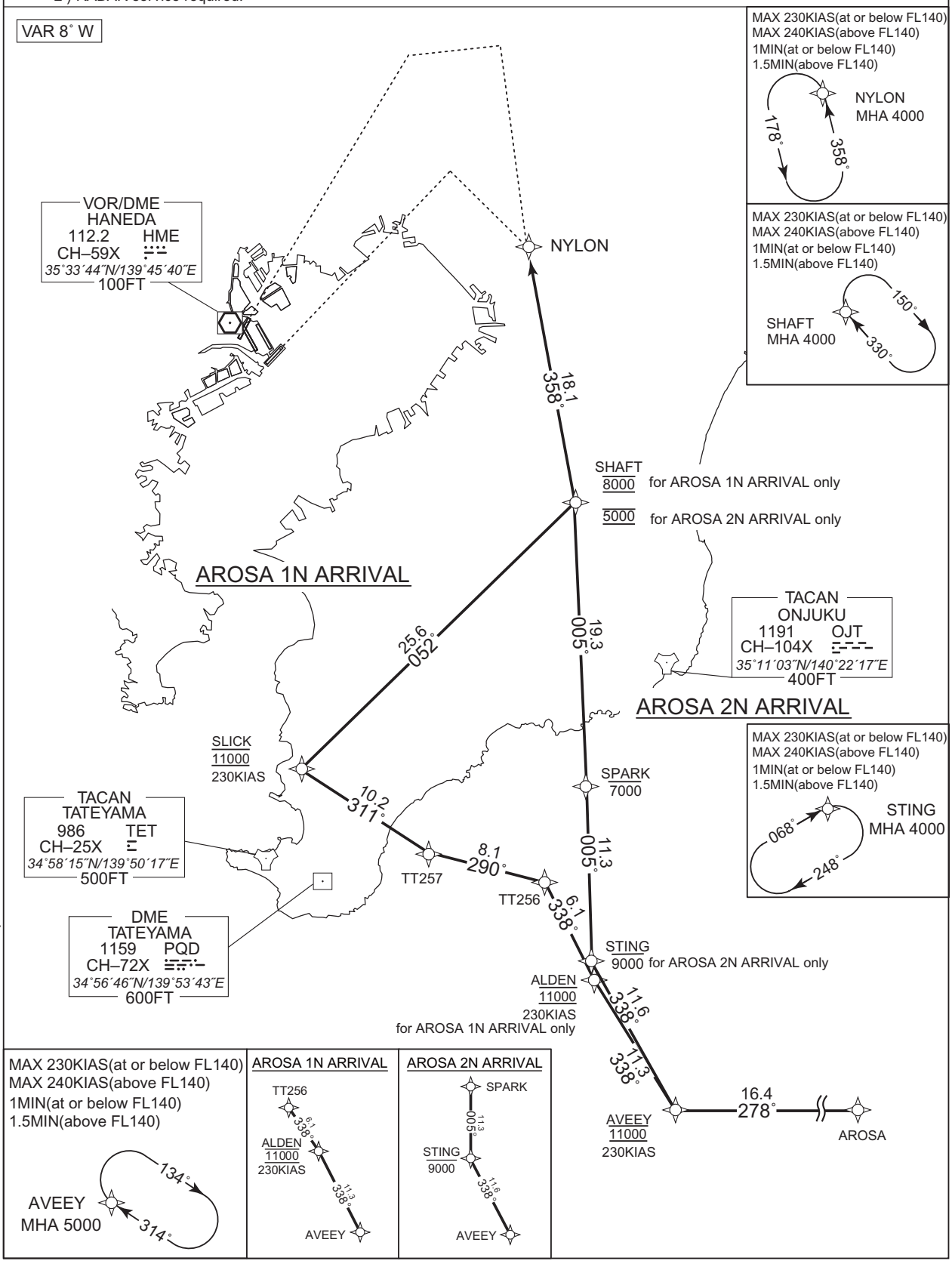
STANDARD ARRIVAL CHART-INSTRUMENT

RJTT / TOKYO INTL — RNAV STAR RWY22/23

AROSA 1N ARRIVAL
AROSA 2N ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.



CHANGE : PROC course. HLDG pattern at NYLON, STING.

STANDARD ARRIVAL CHART-INSTRUMENT

RJTT / TOKYO INTL RNAV STAR RWY22/23

AROSA 1N ARRIVAL

From AROSA, to AVEEY at 11000FT, to ALDEN at 11000FT, to TT256, to TT257, to SLICK at 11000FT, to SHAFT at 8000FT, 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	AROSA	–	–	-7.9	–	–	–	–	–	RNAV1
002	TF	AVEEY	–	278 (269.8)	-7.9	16.4	–	11000	230	–	RNAV1
003	TF	ALDEN	–	338 (330.0)	-7.9	11.3	–	11000	230	–	RNAV1
004	TF	TT256	–	338 (329.9)	-7.9	6.1	–	–	–	–	RNAV1
005	TF	TT257	–	290 (282.4)	-7.9	8.1	–	–	–	–	RNAV1
006	TF	SLICK	–	311 (303.1)	-7.9	10.2	–	11000	230	–	RNAV1
007	TF	SHAFT	–	052 (044.3)	-7.9	25.6	–	8000	–	–	RNAV1
008	TF	NYLON	–	358 (350.0)	-7.9	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	AVEEY	314 (306.1)	-7.9	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	SHAFT	330 (322.4)	-7.9	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	NYLON	358 (350.0)	-7.9	1.0(-14000) 1.5(+14001)	–	L	4000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : PROC course. VAR. HLDG pattern at NYLON.

STANDARD ARRIVAL CHART-INSTRUMENT

RJTT / TOKYO INTL RNAV STAR RWY22/23

AROSA 2N ARRIVAL

From AROSA, to AVEEY at 11000FT, 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	AROSA	–	–	-7.9	–	–	–	–	–	RNAV1
002	TF	AVEEY	–	278 (269.8)	-7.9	16.4	–	11000	230	–	RNAV1
003	TF	STING	–	338 (330.0)	-7.9	11.6	–	-9000	–	–	RNAV1
004	TF	SPARK	–	005 (357.4)	-7.9	11.3	–	-7000	–	–	RNAV1
005	TF	SHAFT	–	005 (357.4)	-7.9	19.3	–	5000	–	–	RNAV1
006	TF	NYLON	–	358 (350.0)	-7.9	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	AVEEY	314 (306.1)	-7.9	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	STING	068 (059.6)	-7.9	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	SHAFT	330 (322.4)	-7.9	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	NYLON	358 (350.0)	-7.9	1.0(-14000) 1.5(+14001)	–	L	4000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : PROC course. VAR. HLDG pattern at STING, NYLON.

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
ALDEN	*345141.1N / 1401505.3E*	SLICK	*350412.7N / 1395120.0E*
AROSA	*344201.7N / 1404157.3E*	SPARK	*350312.0N / 1401416.7E*
AVEEY	*344155.9N / 1402158.0E*	STING	*345157.9N / 1401453.4E*
NYLON	*354018.5N / 1400919.9E*	TT256	*345655.4N / 1401122.9E*
SHAFT	*352227.4N / 1401313.3E*	TT257	*345838.5N / 1400146.6E*