

STANDARD DEPARTURE CHART-INSTRUMENT

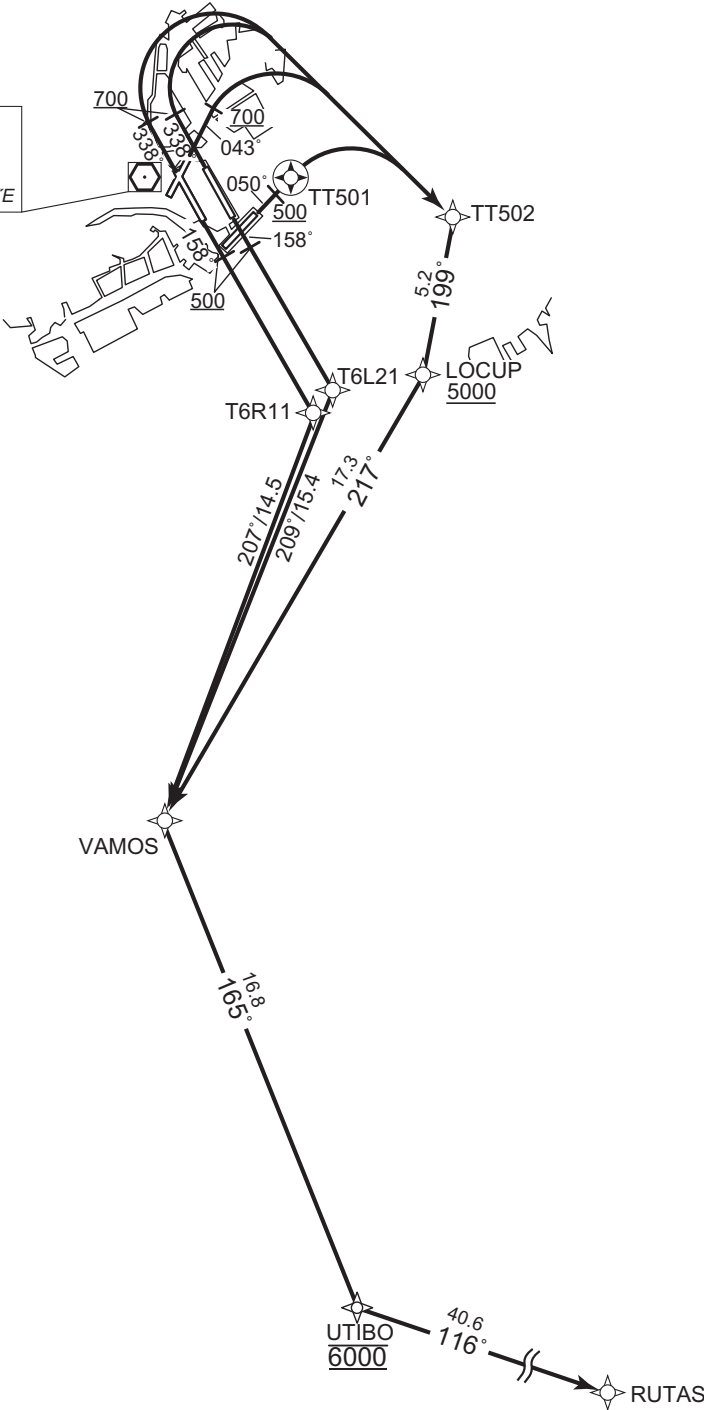
RJTT/TOKYO INTL

RNAV SID

RUTAS THREE 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 : HME 1.2NM FM DER - 1.9NM to T6R11 RWY16L : HME 1.0NM FM DER - 2.4NM to T6L21 RWY34R : HME 1.0NM FM DER - 2.5NM to TT502 RWY34L : HME 0.5NM FM DER - 2.5NM to TT502 RWY04 : HME 1.7NM FM DER - 2.5NM to TT502 RWY05 : HME DER - 2.7NM to TT502
DME GAP	RWY16R:DER - 1.2NM FM DER RWY16L:DER - 1.0NM FM DER RWY34R:DER - 1.0NM FM DER RWY34L:DER - 0.5NM FM DER RWY04:DER - 1.7NM FM DER		
Inappropriate Nav aids	See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1		

VAR8°W

VOR/DME
HANEDA
112.2 HME
CH-59X
35°33'44"N/139°45'40"E
100FT



CHANGE : PROC renamed. Course FM T6L21 to VAMOS.

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RUTAS THREE DEPARTURE

RWY16R : Climb on HDG 158° at or above 500FT, direct to T6R11, to VAMOS, to UTIBO at 6000FT, to RUTAS.

RWY16L : Climb on HDG 158° at or above 500FT, direct to T6L21, to VAMOS, to UTIBO at 6000FT, to RUTAS.

RWY34L/34R : Climb on HDG 338° at or above 700FT, turn right direct to TT502, to LOCUP at or above 5000FT, to VAMOS, to UTIBO at 6000FT, to RUTAS.

RWY04: Climb on HDG 043° at or above 700FT, turn right direct to TT502, to LOCUP at or above 5000FT, to VAMOS, to UTIBO at 6000FT, to RUTAS.

RWY05: Climb on HDG 050° at or above 500FT, direct to TT501, turn right direct to TT502, to LOCUP at or above 5000FT, to VAMOS, to UTIBO at 6000FT, to RUTAS.

Note RWY34L/34R/04 : 5.0% climb gradient required up to 700FT.

RWY05 : 5.0% climb gradient required up to 500FT.

RWY16R

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	—	—	158 (150.0)	-7.9	—	—	+500	—	—	RNAV1
002	DF	T6R11	—	—	-7.9	—	—	—	—	—	RNAV1
003	TF	VAMOS	—	207 (199.5)	-7.9	14.5	—	—	—	—	RNAV1
004	TF	UTIBO	—	165 (157.0)	-7.9	16.8	—	6000	—	—	RNAV1
005	TF	RUTAS	—	116 (108.4)	-7.9	40.6	—	—	—	—	RNAV1

RWY16L

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	—	—	158 (150.0)	-7.9	—	—	+500	—	—	RNAV1
002	DF	T6L21	—	—	-7.9	—	—	—	—	—	RNAV1
003	TF	VAMOS	—	209 (200.7)	-7.9	15.4	—	—	—	—	RNAV1
004	TF	UTIBO	—	165 (157.0)	-7.9	16.8	—	6000	—	—	RNAV1
005	TF	RUTAS	—	116 (108.4)	-7.9	40.6	—	—	—	—	RNAV1

CHANGE : PROC renamed. Course FM T6L21 to VAMOS. VAR.

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RNAV SID

RWY34L/RWY34R

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	—	—	338 (330.0)	-7.9	—	—	+700	—	—	RNAV1
002	DF	TT502	—	—	-7.9	—	R	—	—	—	RNAV1
003	TF	LOCUP	—	199 (190.9)	-7.9	5.2	—	+5000	—	—	RNAV1
004	TF	VAMOS	—	217 (209.5)	-7.9	17.3	—	—	—	—	RNAV1
005	TF	UTIBO	—	165 (157.0)	-7.9	16.8	—	6000	—	—	RNAV1
006	TF	RUTAS	—	116 (108.4)	-7.9	40.6	—	—	—	—	RNAV1

RWY04

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	—	—	043 (034.9)	-7.9	—	—	+700	—	—	RNAV1
002	DF	TT502	—	—	-7.9	—	R	—	—	—	RNAV1
003	TF	LOCUP	—	199 (190.9)	-7.9	5.2	—	+5000	—	—	RNAV1
004	TF	VAMOS	—	217 (209.5)	-7.9	17.3	—	—	—	—	RNAV1
005	TF	UTIBO	—	165 (157.0)	-7.9	16.8	—	6000	—	—	RNAV1
006	TF	RUTAS	—	116 (108.4)	-7.9	40.6	—	—	—	—	RNAV1

RWY05

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	—	—	050 (042.4)	-7.9	—	—	+500	—	—	RNAV1
002	DF	TT501	Y	—	-7.9	—	—	—	—	—	RNAV1
003	DF	TT502	—	—	-7.9	—	R	—	—	—	RNAV1
004	TF	LOCUP	—	199 (190.9)	-7.9	5.2	—	+5000	—	—	RNAV1
005	TF	VAMOS	—	217 (209.5)	-7.9	17.3	—	—	—	—	RNAV1
006	TF	UTIBO	—	165 (157.0)	-7.9	16.8	—	6000	—	—	RNAV1
007	TF	RUTAS	—	116 (108.4)	-7.9	40.6	—	—	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
LOCUP	352718.8N / 1395608.5E	TT501	353328.7N / 1395029.9E
RUTAS	344349.3N / 1404034.2E	TT502	353224.4N / 1395720.7E
T6L21	352639.1N / 1395222.0E	UTIBO	345647.0N / 1395343.9E
T6R11	352552.5N / 1395137.2E	VAMOS	351215.5N / 1394543.6E

CHANGE : VAR.