RJTT/TOKYO INTL **RNAV SID** LAXAS THREE DEPARTURE RNAV1 Note 1) DME/DME/IRU or GNSS required. RWY16R: HME 1.2NM FM DER - 1.9NM to T6R11 %The aircraft equipped with only DME/DME/IRU HYD T6R11 - TAURA must be able to update its position without delay RWY16L: HME 1.0NM FM DER - 2.4NM to T6L21 at the starting point of take-off rolling. HYD 9.0NM to TAURA - TAURA 2) RADAR service required. RWY34R: HME 1.0NM FM DER - 2.5NM to TT502 RWY16R:DER - 1.2NM FM DER HYD 8.6NM to TAURA - TAURA Critical DME RWY16L:DER - 1.0NM FM DER RWY34L: HME 0.5NM FM DER - 2.5NM to TT502 RWY34R:DER - 1.0NM FM DER DME GAP HYD 8.6NM to TAURA - TAURA RWY34L:DER - 0.5NM FM DER RWY04: HME 1.7NM FM DER - 2.5NM to TT502 RWY04:DER - 1.7NM FM DER HYD 8.6NM to TAURA - TAURA RWY22:DER - 1.4NM FM DER RWY05: HME DER - 2.7NM to TT502 Inappropriate See AD1.1.6.10.3.Inappropriate NAVAIDs for HYD 8.6NM to TAURA - TAURA Navaids RNAV1 VAR8°W(2020) CHANGE: PROC renamed. VAR: HDG after DEP FM RWY04.22. Course FM TT502 to LOCUP. Course FM BASSA to UMUKI <u>70</u>0 TT501 VOR/DMF <u>500</u> HANEDA 223 TT502 112.2 HME 600 158 CH-59X 35°33′44″N/139°45′40″E 100FT **HOBBS** 5000 T6R11 OS. 3/3/ 5.8 OF OF THE PARTY OF **BASSA TAURA** 9000 172°/9.2 **UMUKI** 235°/3.5 **PIPER** 9000 235°/5.5 SATOL 266°/9.1 **IMOLA** LAXAS THREE DEPARTURE FL150 **LAXAS** FL170

RJTT/TOKYO INTL RNAV SID

LAXAS THREE DEPARTURE

RWY16R: Climb on HDG 158° at or above 500FT, direct to T6R11, to TAURA at or above 9000FT, to IMOLA at or above FL150, to LAXAS at or above FL170.

RWY16L: Climb on HDG 158° at or above 500FT, direct to T6L21, to TAURA at or above 9000FT, to IMOLA at or above FL150, to LAXAS at or above FL170.

RWY34L/34R: Climb on HDG 338° at or above 700FT, turn right direct to TT502, to LOCUP at or above 5000FT, to TAURA at or above 9000FT, to IMOLA at or above FL150, to LAXAS at or above FL170.

RWY04: Climb on HDG 043° at or above 700FT, turn right direct to TT502, to LOCUP at or above 5000FT, to TAURA at or above 9000FT, to IMOLA at or above FL150, to LAXAS at or above FL170.

RWY05: Climb on HDG 050° at or above 500FT, direct to <u>TT501</u>, turn right direct to TT502, to LOCUP at or above 5000FT, to TAURA at or above 9000FT, to IMOLA at or above FL150, to LAXAS at or above FL170.

RWY22: Climb on HDG 223° at or above 600FT, turn left direct to HOBBS, to BASSA, to UMUKI, to PIPER at or above 9000FT, to SATOL, to IMOLA at or above FL150, to LAXAS at or above FL170.

Note RWY34L/34R/04: 5.0% climb gradient required up to 700FT.
RWY05: 5.0% climb gradient required up to 500FT.
RWY22: 5.0% climb gradient required up to 600FT.

RJTT/TOKYO INTL RNAV SID

LAXAS THREE DEPARTURE

RWY16R

Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
001	VA	_	_	158 (150.0)	-7.6	_	_	+500	_	_	RNAV1
002	DF	T6R11	_	_	-7.6	_	_	_	_	_	RNAV1
003	TF	TAURA	_	226 (218.1)	-7.6	9.0	_	+9000	ı	_	RNAV1
004	TF	IMOLA	_	228 (220.5)	-7.6	18.8	_	+FL150	_	_	RNAV1
005	TF	LAXAS	_	266 (258.6)	-7.6	12.8	_	+FL170	_	_	RNAV1

RWY16L

Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
001	VA	_	_	158 (150.0)	-7.6	_	_	+500	_	_	RNAV1
002	DF	T6L21	_	_	-7.6	_	_	_	_	_	RNAV1
003	TF	TAURA	_	226 (218.1)	-7.6	10.0	_	+9000	1	_	RNAV1
004	TF	IMOLA	_	228 (220.5)	-7.6	18.8	_	+FL150	_	_	RNAV1
005	TF	LAXAS	_	266 (258.6)	-7.6	12.8	_	+FL170	_	_	RNAV1

RWY34L/RWY34R

l											
Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
001	VA	_	_	338 (330.0)	-7.6	_	_	+700	_	_	RNAV1
002	DF	TT502	_	_	-7.6	_	R	_	_	_	RNAV1
003	TF	LOCUP	_	199 (190.9)	-7.6	5.2	_	+5000	_	_	RNAV1
004	TF	TAURA	_	235 (227.3)	-7.6	12.6	_	+9000	_	_	RNAV1
005	TF	IMOLA	_	228 (220.5)	-7.6	18.8	_	+FL150	_	_	RNAV1
006	TF	LAXAS	_	266 (258.6)	-7.6	12.8	_	+FL170	_	_	RNAV1

RJTT/TOKYO INTL RNAV SID

RWY04

Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
001	VA	_	_	043 (034.9)	-7.6	_	_	+700	_	_	RNAV1
002	DF	TT502	_	_	-7.6	_	R	_	_	_	RNAV1
003	TF	LOCUP	_	199 (190.9)	-7.6	5.2	_	+5000	_	_	RNAV1
004	TF	TAURA	_	235 (227.3)	-7.6	12.6	_	+9000	_	_	RNAV1
005	TF	IMOLA	_	228 (220.5)	-7.6	18.8	_	+FL150	_	_	RNAV1
006	TF	LAXAS	_	266 (258.6)	-7.6	12.8	_	+FL170	_	_	RNAV1

RWY05

ı	1700103											
	Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
	Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
	001	VA	_	_	050 (042.4)	-7.6	_	_	+500	_	_	RNAV1
	002	DF	TT501	Υ	_	-7.6	_	_	_	_	_	RNAV1
	003	DF	TT502	_	_	-7.6	_	R	_	_	_	RNAV1
	004	TF	LOCUP	_	199 (190.9)	-7.6	5.2	_	+5000	_	_	RNAV1
	005	TF	TAURA	_	235 (227.3)	-7.6	12.6	_	+9000	_	_	RNAV1
	006	TF	IMOLA	_	228 (220.5)	-7.6	18.8	_	+FL150	_	_	RNAV1
	007	TF	LAXAS	_	266 (258.6)	-7.6	12.8	_	+FL170	_	_	RNAV1

RJTT/TOKYO INTL RNAV SID

RWY22

Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
001	VA	_	_	223 (214.9)	-7.6	_	_	+600	_	_	RNAV1
002	DF	HOBBS	_	_	-7.6	_	L	-	_	_	RNAV1
003	TF	BASSA	_	187 (179.9)	-7.6	5.8	_	-	_	_	RNAV1
004	TF	UMUKI	_	172 (163.9)	-7.6	9.2	_	-	_	_	RNAV1
005	TF	PIPER	_	235 (227.4)	-7.6	3.5	_	+9000	_	_	RNAV1
006	TF	SATOL	_	235 (227.4)	-7.6	5.5	_	ı	_	_	RNAV1
007	TF	IMOLA	_	266 (258.7)	-7.6	9.1	_	+FL150	_	_	RNAV1
008	TF	LAXAS	_	266 (258.6)	-7.6	12.8	_	+FL170	_	_	RNAV1

Waypoint Coordinates

	Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
:	BASSA	352108.8N / 1394542.2E	T6L21	352639.1N / 1395222.0E
	HOBBS	352653.9N / 1394541.3E	T6R11	352552.5N / 1395137.2E
5	IMOLA	350426.0N / 1392951.0E	TAURA	351846.1N / 1394447.3E
3	LAXAS	350153.1N / 1391432.8E	TT501	353328.7N / 1395029.9E
2	LOCUP	352718.8N / 1395608.5E	TT502	353224.4N / 1395720.7E
-	PIPER	350958.3N / 1394542.0E	UMUKI	351219.1N / 1394849.2E
2	SATOL	350613.3N / 1394043.4E		
:				