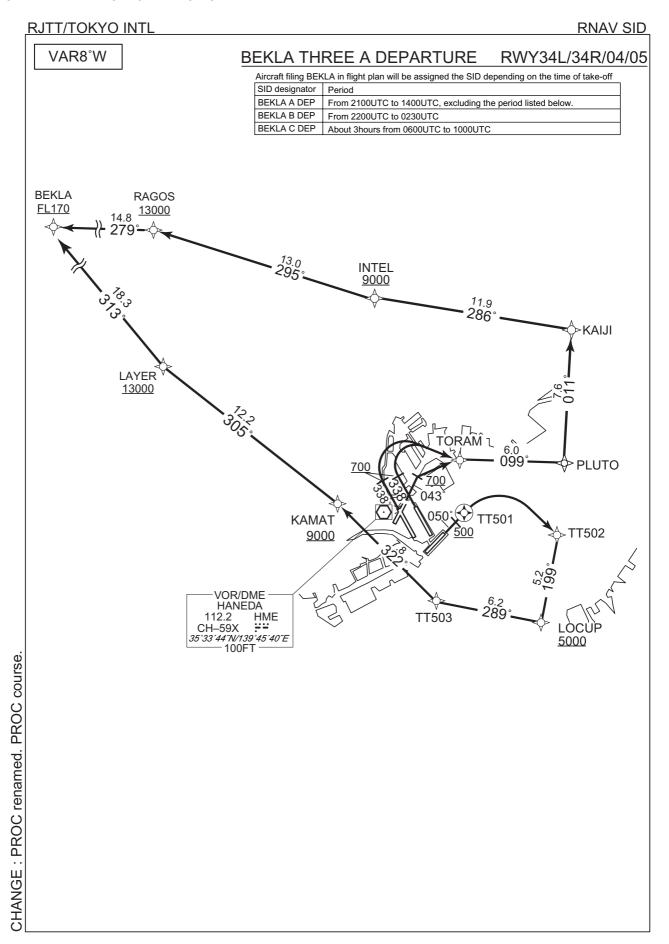
RJTT/TOKYO INTL RNAV SID BEKLA THREE A DEPARTURE RNAV1 Note 1) DME/DME/IRU or GNSS required. RWY16R: HME 1.2NM FM DER - HATBA *The aircraft equipped with only DME/DME/IRU HYD 2.8NM to HATBA - 1.6NM to HATBA must be able to update its position without delay PQD HATBA - 1.6NM to KAMAT at the starting point of take-off rolling RWY16L: HME 1.0NM FM DER - 3.5NM to T6L23 2) RADAR service required. PQD 6.6NM to KAIJI - KAIJI NRE 6.9NM to INTEL - INTEL RWY34R: HME 1.0NM FM DER - 1.1NM to PLUTO SND TORAM - 3.1NM to PLUTO PQD 6.6NM to KAIJI - KAIJI NRE 6.9NM to INTEL - INTEL RWY16R: DER - 1.2NM FM DER RWY34L: HME 0.5NM FM DER - 1.1NM to PLUTO Critical DME RWY16L: DER - 1.0NM FM DER SND TORAM - 3.1NM to PLUTO PQD 6.6NM to KAIJI - KAIJI RWY34R: DER - 1.0NM FM DER DME GAP NRE 6.9NM to INTEL - INTEL RWY34L: DER - 0.5NM FM DER RWY04 : DER - 1.7NM FM DER HME 1.7NM FM DER - 1.1NM to PLUTO RWY04: SND 2.2NM to TORAM - 3.1NM to PLUTO RWY05: 3.8NM to KAMAT - 1.8NM to KAMAT PQD 6.6NM to KAIJI - KAIJI NRE 6.9NM to INTEL - INTEL RWY05: HME DER - 2.7NM to TT502 TT503 - 3.8NM to KAMAT 1.8NM to KAMAT - KAMAT HYD 1.2NM to TT503 - TT503 Inappropriate See AD1.1.6.10.3.Inappropriate NAVAIDs for 4.8NM to KAMAT - 3.8NM to KAMAT Navaids RNAV1 VAR8°W BEKLA THREE A DEPARTURE RWY16R/16L Aircraft filing BEKLA in flight plan will be assigned the SID depending on the time of take-off SID designator Period BEKLA A DEP From 2100UTC to 1400UTC, excluding the period listed below. **RAGOS** BEKLA B DEP From 2200UTC to 0230UTC **BEKLA** BEKLA C DEP | About 3hours from 0600UTC to 1000UTC 13000 FL170 INTEL 295 9000 11.9 KAIJI VOR/DME **HANEDA** 112.2 HME **LAYER** CH-59X 35°33′44″N/139°45′40″E <u>13000</u> 100FT **PLUTO KAMAT** 9000 158 158 <u>500</u> WELDA √ <u>6000</u> T6R13 055°/4.8 HATBA T6L23

CHANGE: PROC renamed. Course FM T6R13 to HATBA



RJTT/TOKYO INTL RNAV SID

BEKLA THREE A DEPARTURE

RWY16R: Climb on HDG 158° at or above 500FT, direct to T6R13, to HATBA, to KAMAT at or above 9000FT, to LAYER at or above 13000FT, to BEKLA at or above FL170.

RWY16L: Climb on HDG 158° at or above 500FT, turn left direct to T6L23, to WELDA at or above 6000FT, to PLUTO, to KAIJI, to INTEL at or above 9000FT, to RAGOS at or above 13000FT, to BEKLA at or above FL170.

RWY34L/34R: Climb on HDG 338° at or above 700FT, turn right direct to TORAM, to PLUTO, to KAIJI, to INTEL at or above 9000FT, to RAGOS at or above 13000FT, to BEKLA at or above FL170.

RWY04: Climb on HDG 043° at or above 700FT, direct to TORAM, to PLUTO, to KAIJI, to INTEL at or above 9000FT, to RAGOS at or above 13000FT, to BEKLA 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 TT503, to KAMAT at or above 9000FT, to LAYER at or above 13000FT, to BEKLA 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.

RJTT/TOKYO INTL RNAV SID

BEKLA THREE A 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)	-7.9	_	_	+500	_	_	RNAV1
002	DF	T6R13	_	_	-7.9	_	_	_	_	_	RNAV1
003	TF	HATBA	_	262 (253.8)	-7.9	5.8	_	_	_	_	RNAV1
004	TF	KAMAT	_	359 (351.1)	-7.9	7.6	_	+9000	ı	_	RNAV1
005	TF	LAYER	_	305 (297.1)	-7.9	12.2	_	+13000	_	_	RNAV1
006	TF	BEKLA	_	313 (305.4)	-7.9	18.3	_	+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)	-7.9	_	_	+500	_	_	RNAV1
002	DF	T6L23	_	_	-7.9	_	L	_	ı	_	RNAV1
003	TF	WELDA	_	055 (047.3)	-7.9	4.8	_	+6000	1	_	RNAV1
004	TF	PLUTO	-	352 (344.5)	-7.9	7.1	1	_	ı	_	RNAV1
005	TF	KAIJI	_	011 (003.0)	-7.9	7.6	_	_	_	_	RNAV1
006	TF	INTEL	_	286 (278.4)	-7.9	11.9	_	+9000	-	_	RNAV1
007	TF	RAGOS	-	295 (287.2)	-7.9	13.0	_	+13000	-	_	RNAV1
800	TF	BEKLA	1	279 (271.2)	-7.9	14.8	_	+FL170	_	_	RNAV1

RWY34L/RWY34R

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	Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
5	Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
5	001	VA	_	_	338 (330.0)	-7.9	_	_	+700	_	_	RNAV1
2	002	DF	TORAM	_	_	-7.9	_	R	_	_	_	RNAV1
	003	TF	PLUTO	_	099 (090.7)	-7.9	6.0	_	_	_	_	RNAV1
5	004	TF	KAIJI	_	011 (003.0)	-7.9	7.6	_	1	1	_	RNAV1
5	005	TF	INTEL	_	286 (278.4)	-7.9	11.9	_	+9000	-	_	RNAV1
	006	TF	RAGOS	_	295 (287.2)	-7.9	13.0	-	+13000	ı	_	RNAV1
	007	TF	BEKLA	-	279 (271.2)	-7.9	14.8	_	+FL170	_	_	RNAV1
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RJTT/TOKYO INTL RNAV SID

RWY04

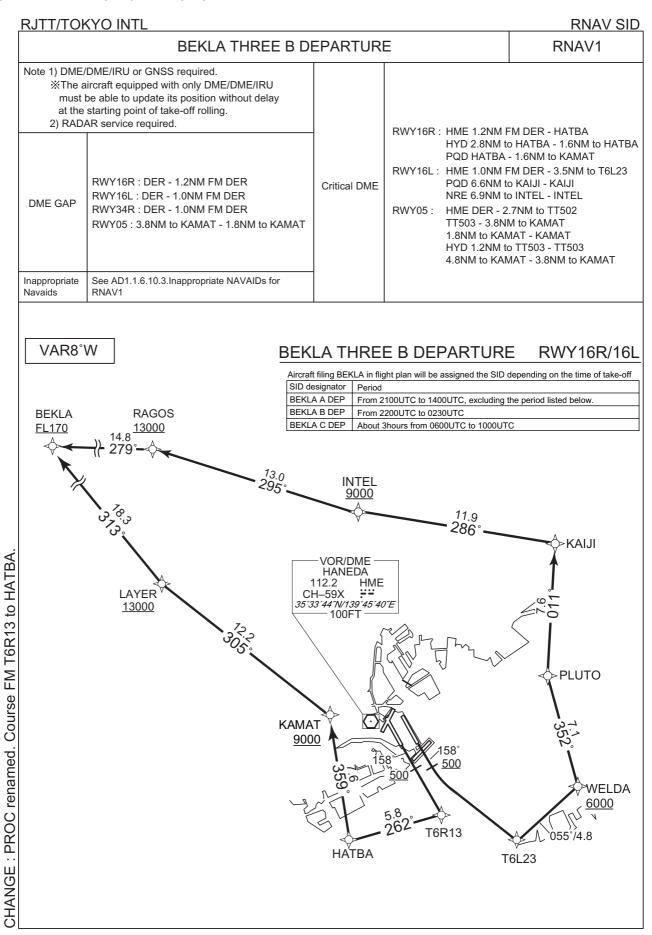
Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
001	VA	_	_	043 (034.9)	-7.9	_	_	+700	_	_	RNAV1
002	DF	TORAM	_	_	-7.9	_	_	_	_	_	RNAV1
003	TF	PLUTO	_	099 (090.7)	-7.9	6.0	_	_	_	_	RNAV1
004	TF	KAIJI	_	011 (003.0)	-7.9	7.6	1	_	_	_	RNAV1
005	TF	INTEL	_	286 (278.4)	-7.9	11.9	-	+9000	_	_	RNAV1
006	TF	RAGOS	_	295 (287.2)	-7.9	13.0	_	+13000	_	_	RNAV1
007	TF	BEKLA	_	279 (271.2)	-7.9	14.8	-	+FL170	_	_	RNAV1

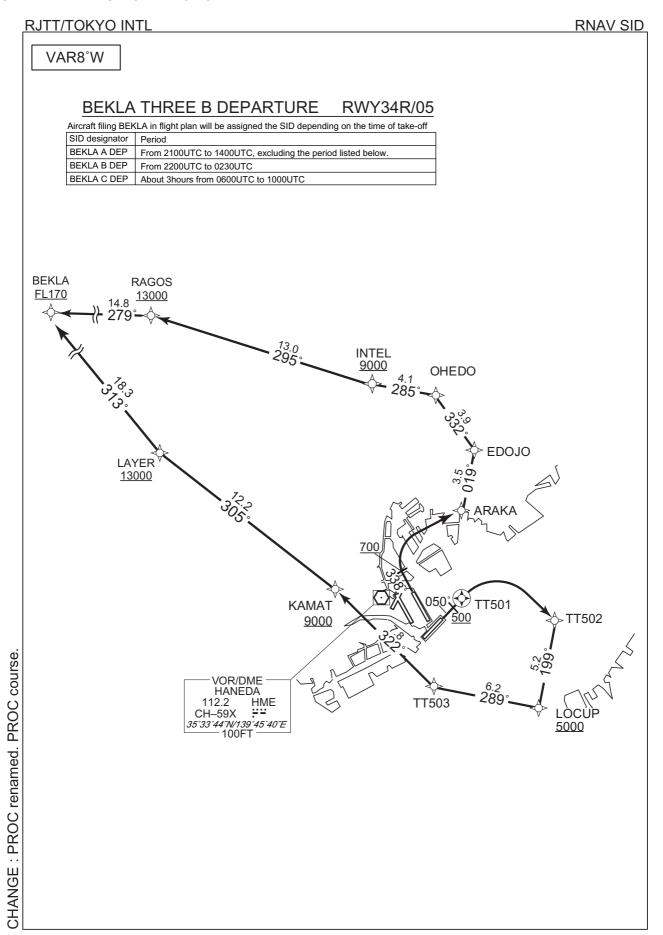
RWY05

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)	-7.9	_	_	+500	_	_	RNAV1
002	DF	TT501	Υ		-7.9	_	_	-	-	_	RNAV1
003	DF	TT502	_	_	-7.9	_	R	ı	ı	_	RNAV1
004	TF	LOCUP	_	199 (190.9)	-7.9	5.2	_	+5000	ı	_	RNAV1
005	TF	TT503	_	289 (280.8)	-7.9	6.2	_	1	1	_	RNAV1
006	TF	KAMAT	_	322 (314.2)	-7.9	7.8	_	+9000	ı	_	RNAV1
007	TF	LAYER	_	305 (297.1)	-7.9	12.2	_	+13000	_	_	RNAV1
800	TF	BEKLA	_	313 (305.4)	-7.9	18.3	_	+FL170	_	_	RNAV1

Waypoint Coordinates

	Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
;	BEKLA	354958.7N / 1391009.5E	RAGOS	354942.2N / 1392821.2E
	HATBA	352623.4N / 1394315.9E	T6L23	352627.6N / 1395539.1E
<u>;</u>	INTEL	354553.0N / 1394340.2E	T6R13	352800.8N / 1395006.4E
5	KAIJI	354409.6N / 1395806.6E	TORAM	353636.8N / 1395011.0E
3	KAMAT	353353.6N / 1394148.9E	TT501	353328.7N / 1395029.9E
	LAYER	353925.4N / 1392829.5E	TT502	353224.4N / 1395720.7E
	LOCUP	352718.8N / 1395608.5E	TT503	352828.0N / 1394840.4E
	PLUTO	353632.1N / 1395736.8E	WELDA	352941.4N / 1395956.7E
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RJTT/TOKYO INTL RNAV SID

BEKLA THREE B DEPARTURE

RWY16R: Climb on HDG 158° at or above 500FT, direct to T6R13, to HATBA, to KAMAT at or above 9000FT, to LAYER at or above 13000FT, to BEKLA at or above FL170.

RWY16L: Climb on HDG 158° at or above 500FT, turn left direct to T6L23, to WELDA at or above 6000FT, to PLUTO, to KAIJI, to INTEL at or above 9000FT, to RAGOS at or above 13000FT, to BEKLA at or above FL170.

RWY34R: Climb on HDG 338° at or above 700FT, turn right direct to ARAKA, to EDOJO, to OHEDO, to INTEL at or above 9000FT, to RAGOS at or above 13000FT, to BEKLA 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 TT503, to KAMAT at or above 9000FT, to LAYER at or above 13000FT, to BEKLA at or above FL170.

Note RWY34R: 5.0% climb gradient required up to 700FT. RWY05: 5.0% climb gradient required up to 500FT.

CHANGE: PROC renamed

RJTT/TOKYO INTL **RNAV SID**

BEKLA THREE B 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)	-7.9	_	_	+500	_	_	RNAV1
002	DF	T6R13	_	_	-7.9	_	_	_	_	_	RNAV1
003	TF	HATBA	_	262 (253.8)	-7.9	5.8	_	_	_	_	RNAV1
004	TF	KAMAT	_	359 (351.1)	-7.9	7.6	-	+9000	_	_	RNAV1
005	TF	LAYER	_	305 (297.1)	-7.9	12.2	_	+13000	_	_	RNAV1
006	TF	BEKLA	_	313 (305.4)	-7.9	18.3	_	+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)	-7.9	_	_	+500	_	_	RNAV1
002	DF	T6L23	_	_	-7.9	_	L	_	-	_	RNAV1
003	TF	WELDA	_	055 (047.3)	-7.9	4.8	_	+6000	ı	_	RNAV1
004	TF	PLUTO	_	352 (344.5)	-7.9	7.1	_	-	1	_	RNAV1
005	TF	KAIJI	_	011 (003.0)	-7.9	7.6	_	_	-	_	RNAV1
006	TF	INTEL	_	286 (278.4)	-7.9	11.9	_	+9000	ı	_	RNAV1
007	TF	RAGOS	_	295 (287.2)	-7.9	13.0	_	+13000	١	_	RNAV1
800	TF	BEKLA	_	279 (271.2)	-7.9	14.8	_	+FL170	-	_	RNAV1

VAR.	RWY34	R										
se.	Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
course	Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
PROC (001	VA	_	_	338 (330.0)	-7.9	_	_	+700	-	_	RNAV1
d. PF	002	DF	ARAKA	_	_	-7.9	_	R	_	_	_	RNAV1
renamed.	003	TF	EDOJO	_	019 (010.8)	-7.9	3.5	_	_	-	_	RNAV1
C rer	004	TF	OHEDO	_	332 (323.7)	-7.9	3.9	_	_	_	_	RNAV1
PROC	005	TF	INTEL	_	285 (277.0)	-7.9	4.1	_	+9000	_	_	RNAV1
	006	TF	RAGOS	_	295 (287.2)	-7.9	13.0	_	+13000	-	_	RNAV1
CHANGE	007	TF	BEKLA	_	279 (271.2)	-7.9	14.8	_	+FL170	_	_	RNAV1
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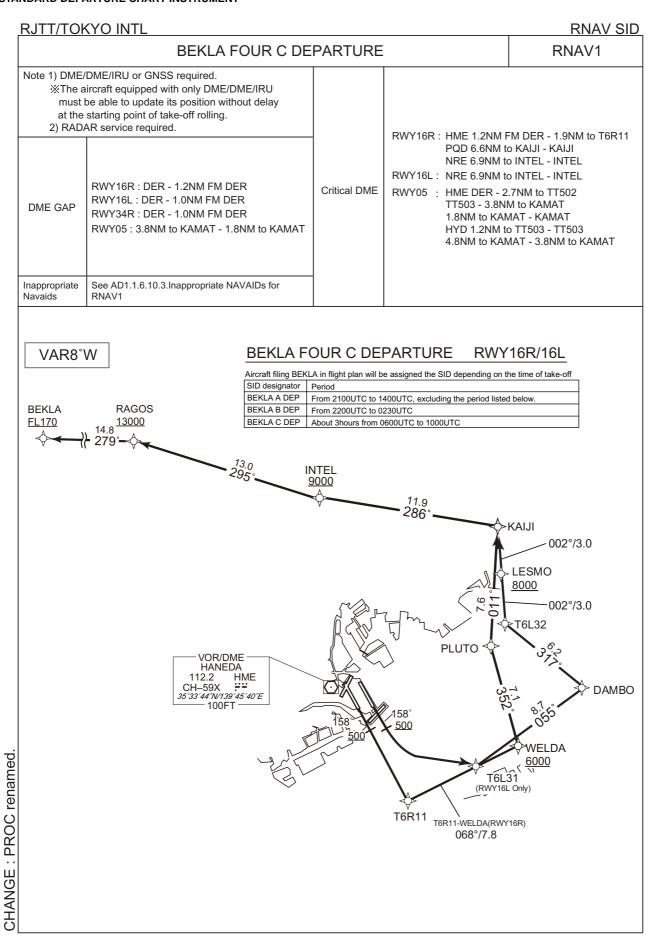
RJTT/TOKYO INTL RNAV SID

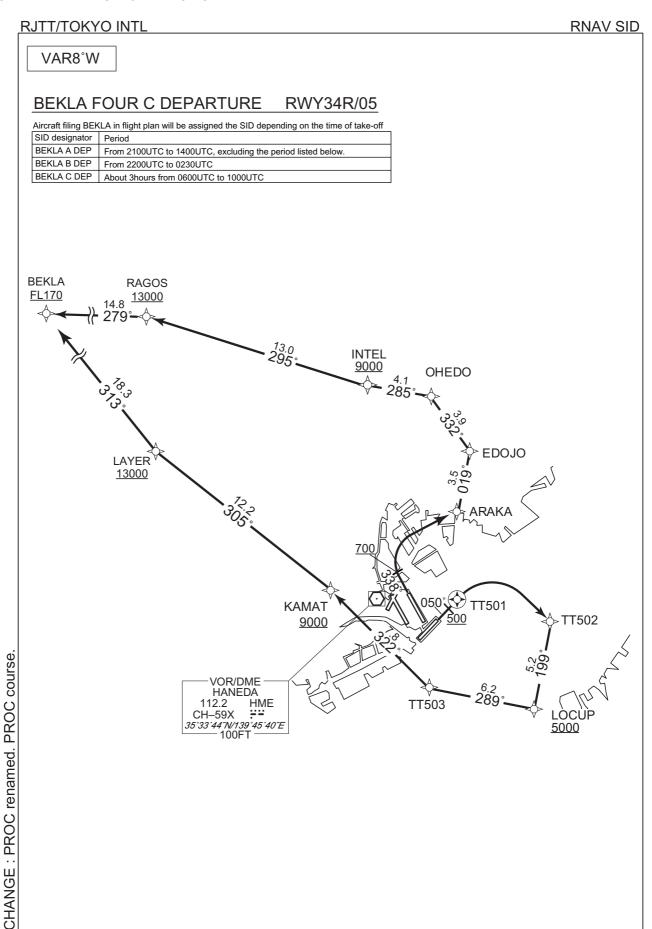
RWY05

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)	-7.9	_	1	+500	_	_	RNAV1
002	DF	TT501	Υ	_	-7.9	_	-	_	_	_	RNAV1
003	DF	TT502	_	_	-7.9	_	R	_	_	_	RNAV1
004	TF	LOCUP	_	199 (190.9)	-7.9	5.2	1	+5000	1	_	RNAV1
005	TF	TT503	_	289 (280.8)	-7.9	6.2	-	_	_	_	RNAV1
006	TF	KAMAT	_	322 (314.2)	-7.9	7.8	ı	+9000	-	_	RNAV1
007	TF	LAYER	_	305 (297.1)	-7.9	12.2	_	+13000	_	_	RNAV1
800	TF	BEKLA	_	313 (305.4)	-7.9	18.3	_	+FL170	_	_	RNAV1

Waypoint Coordinates

- 1				
_ 인	Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
ב	ARAKA	353848.8N / 1395041.9E	OHEDO	354523.4N / 1394838.6E
3	BEKLA	354958.7N / 1391009.5E	PLUTO	353632.1N / 1395736.8E
2	EDOJO	354214.0N / 1395129.9E	RAGOS	354942.2N / 1392821.2E
≥	HATBA	352623.4N / 1394315.9E	T6L23	352627.6N / 1395539.1E
e L	INTEL	354553.0N / 1394340.2E	T6R13	352800.8N / 1395006.4E
SIN	KAIJI	354409.6N / 1395806.6E	TT501	353328.7N / 1395029.9E
3	KAMAT	353353.6N / 1394148.9E	TT502	353224.4N / 1395720.7E
ш	LAYER	353925.4N / 1392829.5E	TT503	352828.0N / 1394840.4E
פֿ	LOCUP	352718.8N / 1395608.5E	WELDA	352941.4N / 1395956.7E
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RJTT/TOKYO INTL RNAV SID

BEKLA FOUR C DEPARTURE

RWY16R: Climb on HDG 158° at or above 500FT, direct to T6R11, to WELDA at or above 6000FT, to PLUTO, to KAIJI, to INTEL at or above 9000FT, to RAGOS at or above 13000FT, to BEKLA at or above FL170.

RWY16L: Climb on HDG 158° at or above 500FT, turn left direct to T6L31, to DAMBO, to T6L32, to LESMO at or above 8000FT, to KAIJI, to INTEL at or above 9000FT, to RAGOS at or above 13000FT, to BEKLA at or above FL170.

RWY34R: Climb on HDG 338° at or above 700FT, turn right direct to ARAKA, to EDOJO, to OHEDO, to INTEL at or above 9000FT, to RAGOS at or above 13000FT, to BEKLA 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 TT503, to KAMAT at or above 9000FT, to LAYER at or above 13000FT, to BEKLA at or above FL170.

Note RWY34R: 5.0% climb gradient required up to 700FT. RWY05: 5.0% climb gradient required up to 500FT.

RJTT/TOKYO INTL RNAV SID

BEKLA FOUR C DEPARTURE

RWY16R

Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
Numbe	r Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
001	VA	ı	_	158 (150.0)	-7.9	_	_	+500	ı	_	RNAV1
002	DF	T6R11	_	_	-7.9	_	_	-	-	_	RNAV1
003	TF	WELDA	-	068 (060.6)	-7.9	7.8	_	+6000	ı	_	RNAV1
004	TF	PLUTO	_	352 (344.5)	-7.9	7.1	_	_	_	_	RNAV1
005	TF	KAIJI	_	011 (003.0)	-7.9	7.6	_	1	ı	_	RNAV1
006	TF	INTEL	_	286 (278.4)	-7.9	11.9	_	+9000	1	_	RNAV1
007	TF	RAGOS	_	295 (287.2)	-7.9	13.0	_	+13000	_	_	RNAV1
008	TF	BEKLA	_	279 (271.2)	-7.9	14.8	_	+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)	-7.9	_	_	+500	_	_	RNAV1
002	DF	T6L31	_	_	-7.9	_	L	-	1	_	RNAV1
003	TF	DAMBO	_	055 (047.5)	-7.9	8.7	1	1	1	_	RNAV1
004	TF	T6L32	_	317 (309.4)	-7.9	6.2	-	-	1	_	RNAV1
005	TF	LESMO	_	002 (354.1)	-7.9	3.0	ı	+8000	ı	_	RNAV1
006	TF	KAIJI	_	002 (354.1)	-7.9	3.0	ı	ı	١	_	RNAV1
007	TF	INTEL	_	286 (278.4)	-7.9	11.9	ı	+9000	ı	_	RNAV1
800	TF	RAGOS		295 (287.2)	-7.9	13.0	1	+13000	-	_	RNAV1
009	TF	BEKLA	_	279 (271.2)	-7.9	14.8	_	+FL170	_	_	RNAV1

RWY34R

1												
	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
5	001	VA	-	_	338 (330.0)	-7.9	_	_	+700	_	_	RNAV1
	002	DF	ARAKA	_	_	-7.9	_	R	_	_	_	RNAV1
5	003	TF	EDOJO	_	019 (010.8)	-7.9	3.5	_	ı	_	_	RNAV1
	004	TF	OHEDO	_	332 (323.7)	-7.9	3.9	_	-	_	_	RNAV1
-	005	TF	INTEL	_	285 (277.0)	-7.9	4.1	_	+9000	_	_	RNAV1
	006	TF	RAGOS	_	295 (287.2)	-7.9	13.0	_	+13000	_	_	RNAV1
	007	TF	BEKLA	_	279 (271.2)	-7.9	14.8	_	+FL170	_	_	RNAV1
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RJTT/TOKYO INTL RNAV SID

RWY05

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)	-7.9	_	_	+500	_	_	RNAV1
002	DF	TT501	Υ	_	-7.9	_	_	_	_	_	RNAV1
003	DF	TT502	_	_	-7.9	_	R	_	_	_	RNAV1
004	TF	LOCUP	_	199 (190.9)	-7.9	5.2	-	+5000	_	_	RNAV1
005	TF	TT503	_	289 (280.8)	-7.9	6.2	ı	_	_	_	RNAV1
006	TF	KAMAT	_	322 (314.2)	-7.9	7.8	-	+9000	_	_	RNAV1
007	TF	LAYER	_	305 (297.1)	-7.9	12.2	_	+13000	_	_	RNAV1
800	TF	BEKLA	_	313 (305.4)	-7.9	18.3	_	+FL170	_	_	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates			
ARAKA	353848.8N / 1395041.9E	OHEDO	354523.4N / 1394838.6E			
BEKLA	354958.7N / 1391009.5E	PLUTO	353632.1N / 1395736.8E			
DAMBO	353416.5N / 1400443.4E	RAGOS	354942.2N / 1392821.2E			
EDOJO	354214.0N / 1395129.9E	T6L31	352822.8N / 1395648.0E			
INTEL	354553.0N / 1394340.2E	T6L32	353810.9N / 1395852.2E			
KAIJI	354409.6N / 1395806.6E	T6R11	352552.5N / 1395137.2E			
KAMAT	353353.6N / 1394148.9E	TT501	353328.7N / 1395029.9E			
LAYER	353925.4N / 1392829.5E	TT502	353224.4N / 1395720.7E			
LESMO	354110.3N / 1395829.4E	TT503	352828.0N / 1394840.4E			
LOCUP	352718.8N / 1395608.5E	WELDA	352941.4N / 1395956.7E			