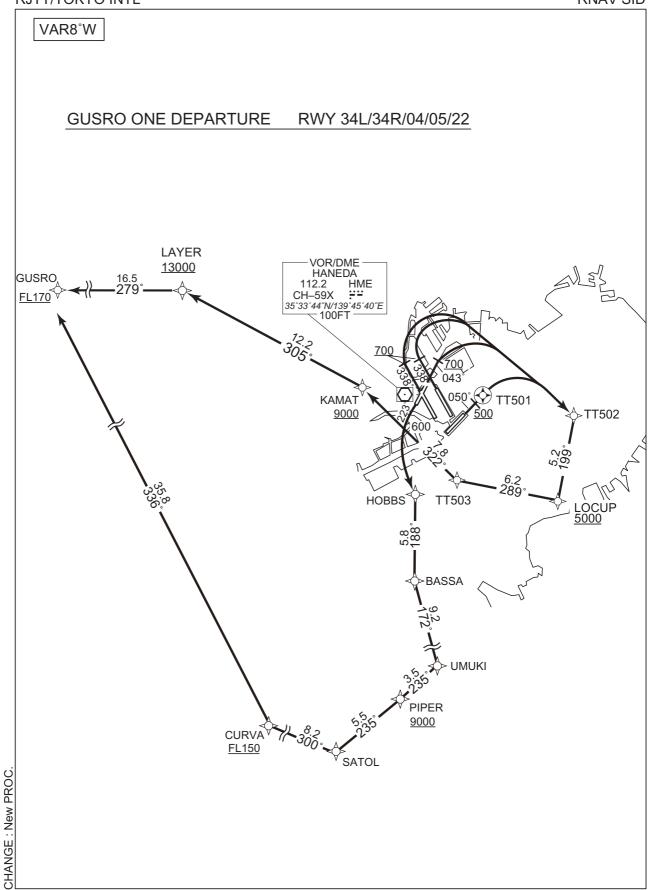


RJTT/TOKYO INTL RNAV SID



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GUSRO ONE 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 GUSRO at or above FL170.
- RWY16L: Climb on HDG 158° at or above 500FT, direct to T6L43, to HATBA, to KAMAT at or above 9000FT, to LAYER at or above 13000FT, to GUSRO 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 TT503, to KAMAT at or above 9000FT, to LAYER at or above 13000FT, to GUSRO 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 TT503, to KAMAT at or above 9000FT, to LAYER at or above 13000FT, to GUSRO 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 GUSRO 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 CURVA at or above FL150, to GUSRO 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.

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GUSRO ONE 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	1	+9000	_	1	RNAV1
005	TF	LAYER	_	305 (297.1)	-7.9	12.2	_	+13000	_	_	RNAV1
006	TF	GUSRO	-	279 (271.2)	-7.9	16.5	-	+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	T6L43	_	_	-7.9	_	_	_	_	_	RNAV1
003	TF	НАТВА	_	260 (251.9)	-7.9	6.7	_	_	_	_	RNAV1
004	TF	KAMAT	_	359 (351.1)	-7.9	7.6	1	+9000	1	_	RNAV1
005	TF	LAYER	_	305 (297.1)	-7.9	12.2	_	+13000	_	_	RNAV1
006	TF	GUSRO	_	279 (271.2)	-7.9	16.5	_	+FL170	_	_	RNAV1

RWY34L/RWY34R

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)	-7.9	_	_	+700	_	_	RNAV1
002	DF	TT502	_	_	-7.9	_	R	_	_	_	RNAV1
003	TF	LOCUP	_	199 (190.9)	-7.9	5.2	_	+5000	_	_	RNAV1
004	TF	TT503	_	289 (280.8)	-7.9	6.2	_	_	_	_	RNAV1
005	TF	KAMAT	_	322 (314.2)	-7.9	7.8	_	+9000	_	_	RNAV1
006	TF	LAYER	_	305 (297.1)	-7.9	12.2	_	+13000	ı	_	RNAV1
007	TF	GUSRO	_	279 (271.2)	-7.9	16.5	_	+FL170	_	_	RNAV1

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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	TT502	_	_	-7.9	_	R	_	_	_	RNAV1
003	TF	LOCUP	_	199 (190.9)	-7.9	5.2	_	+5000	_	_	RNAV1
004	TF	TT503	_	289 (280.8)	-7.9	6.2	_	_	_	_	RNAV1
005	TF	KAMAT	_	322 (314.2)	-7.9	7.8	_	+9000	_	_	RNAV1
006	TF	LAYER	_	305 (297.1)	-7.9	12.2	_	+13000	_	_	RNAV1
007	TF	GUSRO	_	279 (271.2)	-7.9	16.5	_	+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	_	_	_	RNAV1
004	TF	LOCUP	-	199 (190.9)	-7.9	5.2	_	+5000	-	_	RNAV1
005	TF	TT503	ı	289 (280.8)	-7.9	6.2	_	ı	1	_	RNAV1
006	TF	KAMAT	_	322 (314.2)	-7.9	7.8	_	+9000	_	_	RNAV1
007	TF	LAYER	ı	305 (297.1)	-7.9	12.2	_	+13000	_	_	RNAV1
008	TF	GUSRO	_	279 (271.2)	-7.9	16.5	_	+FL170	_	_	RNAV1

RWY22

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	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)	-7.9	_	_	+600	_	_	RNAV1
	002	DF	HOBBS	_	_	-7.9	_	L	_	_	_	RNAV1
	003	TF	BASSA	_	188 (179.9)	-7.9	5.8	_	_	_	_	RNAV1
	004	TF	UMUKI	-	172 (163.9)	-7.9	9.2	_	_	-	_	RNAV1
	005	TF	PIPER	_	235 (227.4)	-7.9	3.5	_	+9000	ı	_	RNAV1
	006	TF	SATOL	_	235 (227.4)	-7.9	5.5	_	_	_	_	RNAV1
	007	TF	CURVA	_	300 (292.2)	-7.9	8.2	_	+FL150	_	_	RNAV1
	800	TF	GUSRO	_	336 (328.3)	-7.9	35.8	_	+FL170	-	_	RNAV1
1												

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Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
BASSA	352108.8N / 1394542.2E	PIPER	350958.3N / 1394542.0E
CURVA	350919.0N / 1393124.4E	SATOL	350613.3N / 1394043.4E
GUSRO	353944.8N / 1390813.1E	T6L43	352828.4N / 1395104.6E
HATBA	352623.4N / 1394315.9E	T6R13	352800.8N / 1395006.4E
HOBBS	352653.9N / 1394541.3E	TT501	353328.7N / 1395029.9E
KAMAT	353353.6N / 1394148.9E	TT502	353224.4N / 1395720.7E
LAYER	353925.4N / 1392829.5E	TT503	352828.0N / 1394840.4E
LOCUP	352718.8N / 1395608.5E	UMUKI	351219.1N / 1394849.2E