

STANDARD DEPARTURE CHART-INSTRUMENT

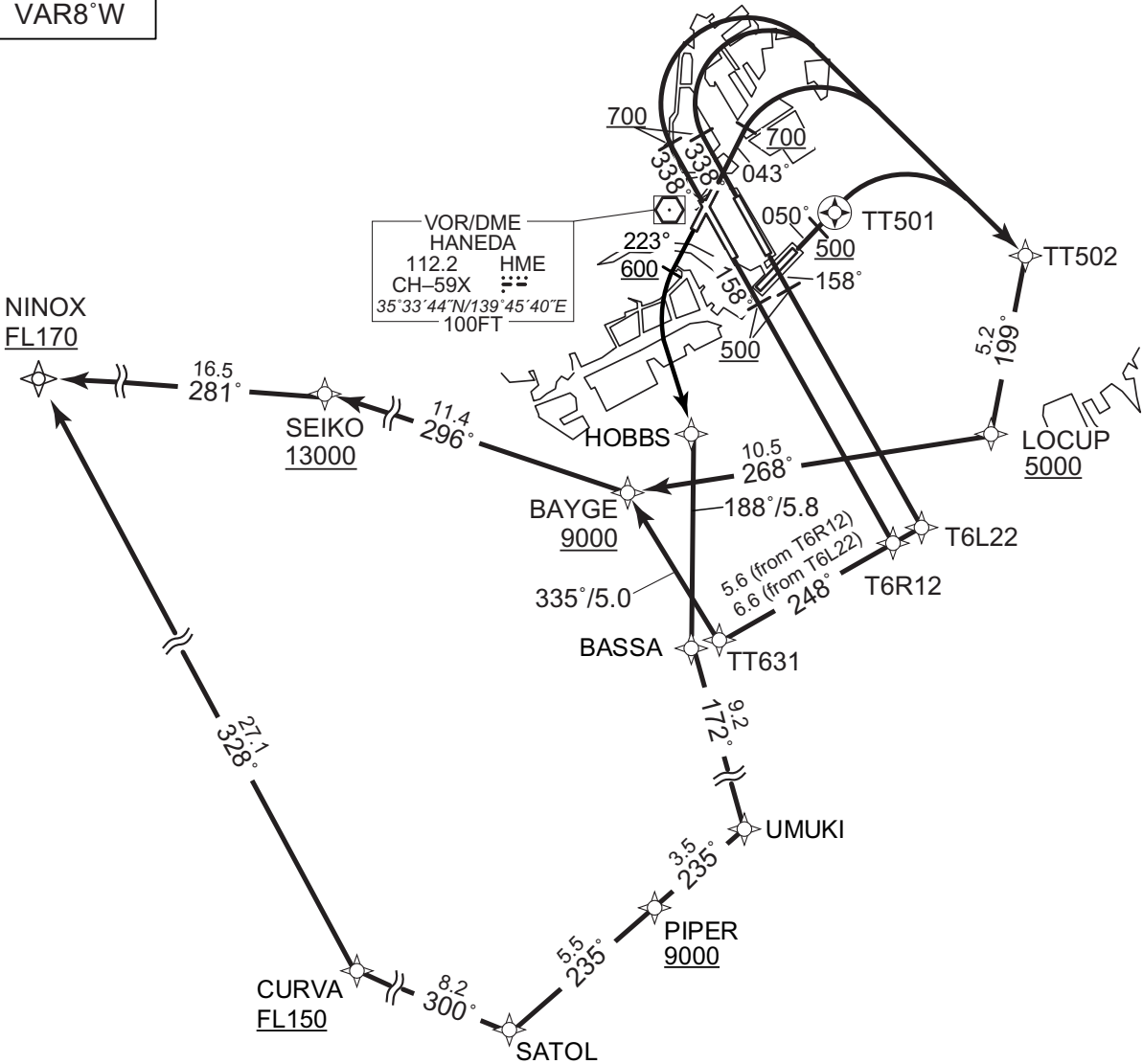
RJTT/TOKYO INTL

RNAV SID

NINOX FOUR 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 - 3.8NM to T6R12 HYD T6R12 - TT631 PQD 1.0NM to BAYGE - 6.5NM to SEIKO RWY16L : HME 1.0NM FM DER - 4.7NM to T6L22 HYD 5.6NM to TT631 - TT631 PQD 1.0NM to BAYGE - 6.5NM to SEIKO RWY34R : HME 1.0NM FM DER - 2.5NM to TT502 HYD 6.5NM to BAYGE - BAYGE PQD BAYGE - 6.5NM to SEIKO RWY34L : HME 0.5NM FM DER - 2.5NM to TT502 HYD 6.5NM to BAYGE - BAYGE PQD BAYGE - 6.5NM to SEIKO RWY04 : HME 1.7NM FM DER - 2.5NM to TT502 HYD 6.5NM to BAYGE - BAYGE PQD BAYGE - 6.5NM to SEIKO RWY05 : HME DER - 2.7NM to TT502 HYD 6.5NM to BAYGE - BAYGE PQD BAYGE - 6.5NM to SEIKO
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 RWY22 : DER - 1.4NM FM DER		
Inappropriate Nav aids	See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1		

VAR8°W

CHANGE : PROC renamed. PROC course.



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RWY16R : Climb on HDG 158° at or above 500FT, direct to T6R12, to TT631, to BAYGE at or above 9000FT, to SEIKO at or above 13000FT, to NINOX at or above FL170.

RWY16L : Climb on HDG 158° at or above 500FT, direct to T6L22, to TT631, to BAYGE at or above 9000FT, to SEIKO at or above 13000FT, to NINOX 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 BAYGE at or above 9000FT, to SEIKO at or above 13000FT, to NINOX 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 BAYGE at or above 9000FT, to SEIKO at or above 13000FT, to NINOX at or above FL170.

RWY05 : Climb on HDG 050° at or above 500FT, direct to TT501, turn right direct to TT502, to LOCUP at or above 5000FT, to BAYGE at or above 9000FT, to SEIKO at or above 13000FT, to NINOX 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 NINOX 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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NINOX FOUR DEPARTURE

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	T6R12	—	—	-7.9	—	—	—	—	—	RNAV1
003	TF	TT631	—	248 (239.8)	-7.9	5.6	—	—	—	—	RNAV1
004	TF	BAYGE	—	335 (327.0)	-7.9	5.0	—	+9000	—	—	RNAV1
005	TF	SEIKO	—	296 (287.8)	-7.9	11.4	—	+13000	—	—	RNAV1
006	TF	NINOX	—	281 (272.9)	-7.9	16.5	—	+FL170	—	—	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	T6L22	—	—	-7.9	—	—	—	—	—	RNAV1
003	TF	TT631	—	248 (239.8)	-7.9	6.6	—	—	—	—	RNAV1
004	TF	BAYGE	—	335 (327.0)	-7.9	5.0	—	+9000	—	—	RNAV1
005	TF	SEIKO	—	296 (287.8)	-7.9	11.4	—	+13000	—	—	RNAV1
006	TF	NINOX	—	281 (272.9)	-7.9	16.5	—	+FL170	—	—	RNAV1

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	BAYGE	—	268 (260.6)	-7.9	10.5	—	+9000	—	—	RNAV1
005	TF	SEIKO	—	296 (287.8)	-7.9	11.4	—	+13000	—	—	RNAV1
006	TF	NINOX	—	281 (272.9)	-7.9	16.5	—	+FL170	—	—	RNAV1

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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	BAYGE	—	268 (260.6)	-7.9	10.5	—	+9000	—	—	RNAV1
005	TF	SEIKO	—	296 (287.8)	-7.9	11.4	—	+13000	—	—	RNAV1
006	TF	NINOX	—	281 (272.9)	-7.9	16.5	—	+FL170	—	—	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	BAYGE	—	268 (260.6)	-7.9	10.5	—	+9000	—	—	RNAV1
006	TF	SEIKO	—	296 (287.8)	-7.9	11.4	—	+13000	—	—	RNAV1
007	TF	NINOX	—	281 (272.9)	-7.9	16.5	—	+FL170	—	—	RNAV1

CHANGE : PROC course. VAR.

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RNAV SID

RWY22

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	—	—	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	—	—	RNAV1
006	TF	SATOL	—	235 (227.4)	-7.9	5.5	—	—	—	—	RNAV1
007	TF	CURVA	—	300 (292.2)	-7.9	8.2	—	+FL150	—	—	RNAV1
008	TF	NINOX	—	328 (319.6)	-7.9	27.1	—	+FL170	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
BASSA	352108.8N / 1394542.2E	SEIKO	352904.5N / 1393005.0E
BAYGE	352535.4N / 1394327.4E	T6L22	352441.2N / 1395345.4E
CURVA	350919.0N / 1393124.4E	T6R12	352413.6N / 1395247.1E
HOBBS	352653.9N / 1394541.3E	TT501	353328.7N / 1395029.9E
LOCUP	352718.8N / 1395608.5E	TT502	353224.4N / 1395720.7E
NINOX	352953.4N / 1390953.1E	TT631	352123.4N / 1394648.6E
PIPER	350958.3N / 1394542.0E	UMUKI	351219.1N / 1394849.2E
SATOL	350613.3N / 1394043.4E		

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