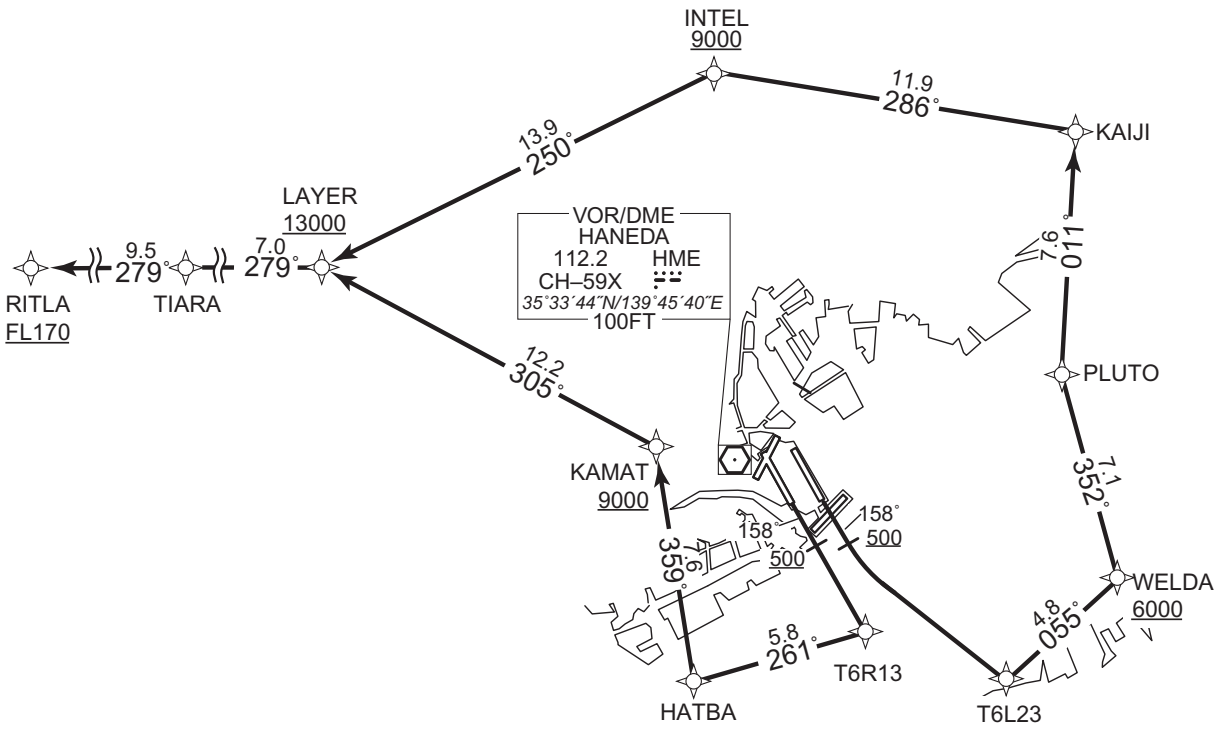
STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL — RNAV SID

RITLA TWO A 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.			
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 RWY05 : 3.8NM to KAMAT - 1.8NM to KAMAT	Critical DME	RWY16R : HME 1.2NM FM DER - HATBA HYD 2.8NM to HATBA - 1.6NM to HATBA KAMAT - 9.2NM to LAYER PQD HATBA - 1.6NM to KAMAT KAMAT - 9.2NM to LAYER SND 11.2NM to LAYER - LAYER RWY16L : HME 1.0NM FM DER - 3.5NM to T6L23 PQD 6.6NM to KAIJI - KAIJI NRE 6.9NM to INTEL - 6.9NM to LAYER 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 - 6.9NM to LAYER RWY34L : HME 0.5NM FM DER - 1.1NM to PLUTO SND TORAM - 3.1NM to PLUTO PQD 6.6NM to KAIJI - KAIJI NRE 6.9NM to INTEL - 6.9NM to LAYER RWY04 : HME 1.7NM FM DER - 1.1NM to PLUTO SND 2.2NM to TORAM - 3.1NM to PLUTO PQD 6.6NM to KAIJI - KAIJI NRE 6.9NM to INTEL - 6.9NM to LAYER RWY05 : HME DER - 2.7NM to TT502 TT503 - 3.8NM to KAMAT 1.8NM to KAMAT - KAMAT HYD 1.2NM to TT503 - TT503 4.8NM to KAMAT - 3.8NM to KAMAT PQD KAMAT - 9.2NM to LAYER SND 11.2NM to LAYER - LAYER
Inappropriate Navaids	See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1		

VAR8˚W(2020)

RITLA TWO A DEPARTURE RWY16R/16L



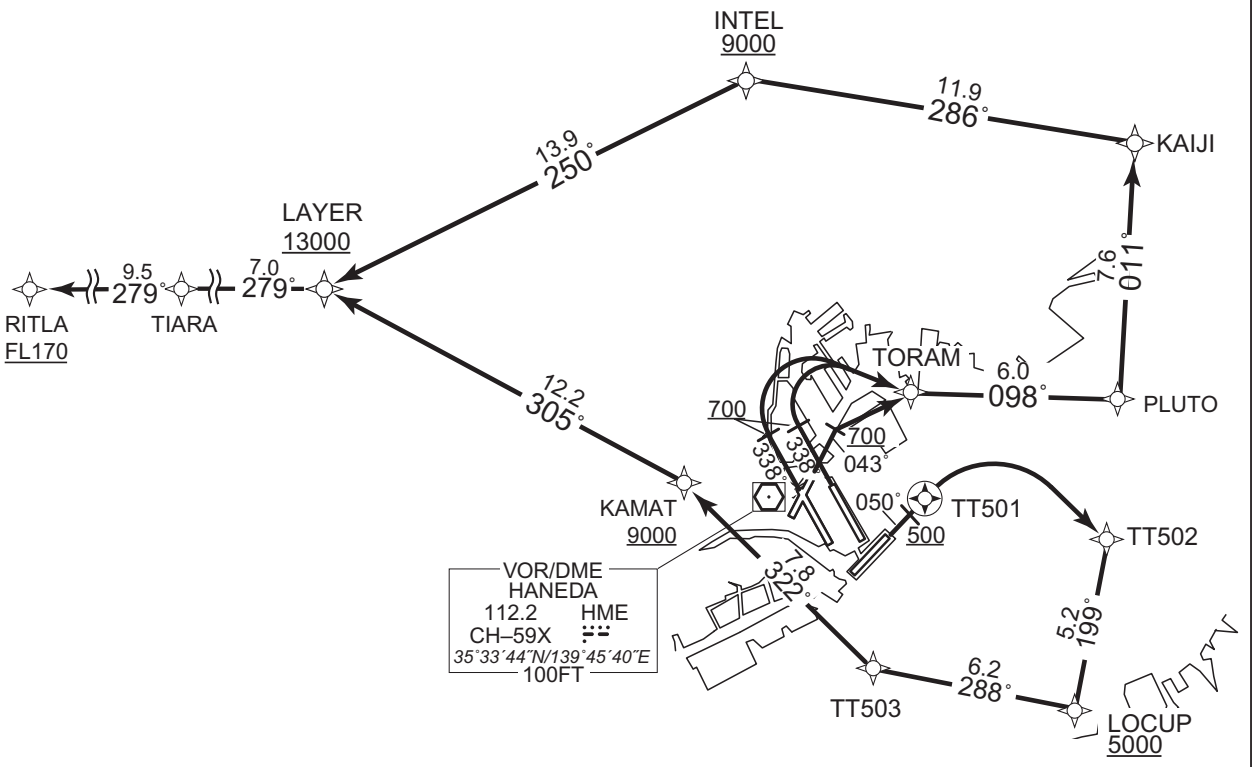
CHANGE : PROC renamed. VAR. RTE after LAYER. TIARA established.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL RNAV SID

VAR8°W(2020)

RITLA TWO A DEPARTURE RWY 34L/34R/04/05



CHANGE : PROC renamed. VAR. RTE after LAYER. TIARA established. HDG after DEP FM RWY04. Course FM TT502 to LOCUP.

RJTT/TOKYO INTL RNAV SID

RITLA TWO 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 TIARA, to RITLA 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 LAYER at or above 13000FT, to TIARA, to RITLA 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 LAYER at or above 13000FT, to TIARA, to RITLA 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 LAYER at or above 13000FT, to TIARA, to RITLA 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 TT503, to KAMAT at or above 9000FT, to LAYER at or above 13000FT, to TIARA, to RITLA 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.

CHANGE : PROC renamed. RTE after LAYER. TIARA established. HDG after DEP FM RWY04.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL RNAV SID

RITLA TWO A 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)	-7.6	–	–	+500	–	–	RNAV1
002	DF	T6R13	–	–	-7.6	–	–	–	–	–	RNAV1
003	TF	HATBA	–	261 (253.8)	-7.6	5.8	–	–	–	–	RNAV1
004	TF	KAMAT	–	359 (351.1)	-7.6	7.6	–	+9000	–	–	RNAV1
005	TF	LAYER	–	305 (297.1)	-7.6	12.2	–	+13000	–	–	RNAV1
006	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
007	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+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)	-7.6	–	–	+500	–	–	RNAV1
002	DF	T6L23	–	–	-7.6	–	L	–	–	–	RNAV1
003	TF	WELDA	–	055 (047.3)	-7.6	4.8	–	+6000	–	–	RNAV1
004	TF	PLUTO	–	352 (344.5)	-7.6	7.1	–	–	–	–	RNAV1
005	TF	KAIJI	–	011 (003.0)	-7.6	7.6	–	–	–	–	RNAV1
006	TF	INTEL	–	286 (278.4)	-7.6	11.9	–	+9000	–	–	RNAV1
007	TF	LAYER	–	250 (242.4)	-7.6	13.9	–	+13000	–	–	RNAV1
008	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
009	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+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)	-7.6	–	–	+700	–	–	RNAV1
002	DF	TORAM	–	–	-7.6	–	R	–	–	–	RNAV1
003	TF	PLUTO	–	098 (090.7)	-7.6	6.0	–	–	–	–	RNAV1
004	TF	KAIJI	–	011 (003.0)	-7.6	7.6	–	–	–	–	RNAV1
005	TF	INTEL	–	286 (278.4)	-7.6	11.9	–	+9000	–	–	RNAV1
006	TF	LAYER	–	250 (242.4)	-7.6	13.9	–	+13000	–	–	RNAV1
007	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
008	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+FL170	–	–	RNAV1

CHANGE : PROC renamed. Magnetic Variation. RTE after LAYER. TIARA established.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL RNAV SID

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)	-7.6	–	–	+700	–	–	RNAV1
002	DF	TORAM	–	–	-7.6	–	–	–	–	–	RNAV1
003	TF	PLUTO	–	098 (090.7)	-7.6	6.0	–	–	–	–	RNAV1
004	TF	KAIJI	–	011 (003.0)	-7.6	7.6	–	–	–	–	RNAV1
005	TF	INTEL	–	286 (278.4)	-7.6	11.9	–	+9000	–	–	RNAV1
006	TF	LAYER	–	250 (242.4)	-7.6	13.9	–	+13000	–	–	RNAV1
007	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
008	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+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)	-7.6	–	–	+500	–	–	RNAV1
002	DF	TT501	Y	–	-7.6	–	–	–	–	–	RNAV1
003	DF	TT502	–	–	-7.6	–	R	–	–	–	RNAV1
004	TF	LOCUP	–	199 (190.9)	-7.6	5.2	–	+5000	–	–	RNAV1
005	TF	TT503	–	288 (280.8)	-7.6	6.2	–	–	–	–	RNAV1
006	TF	KAMAT	–	322 (314.2)	-7.6	7.8	–	+9000	–	–	RNAV1
007	TF	LAYER	–	305 (297.1)	-7.6	12.2	–	+13000	–	–	RNAV1
008	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
009	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+FL170	–	–	RNAV1

CHANGE : Magnetic Variation. RTE after LAYER. TIARA established. RWY04:NR001(Course). RWY05:NR004(Course).

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
HATBA	*352623.4N / 1394315.9E*	T6L23	*352627.6N / 1395539.1E*
INTEL	*354553.0N / 1394340.2E*	T6R13	*352800.8N / 1395006.4E*
KAIJI	*354409.6N / 1395806.6E*	TIARA	*353934.0N / 1391954.2E*
KAMAT	*353353.6N / 1394148.9E*	TORAM	*353636.8N / 1395011.0E*
LAYER	*353925.4N / 1392829.5E*	TT501	*353328.7N / 1395029.9E*
LOCUP	*352718.8N / 1395608.5E*	TT502	*353224.4N / 1395720.7E*
PLUTO	*353632.1N / 1395736.8E*	TT503	*352828.0N / 1394840.4E*
RITLA	*353944.8N / 1390813.1E*	WELDA	*352941.4N / 1395956.7E*

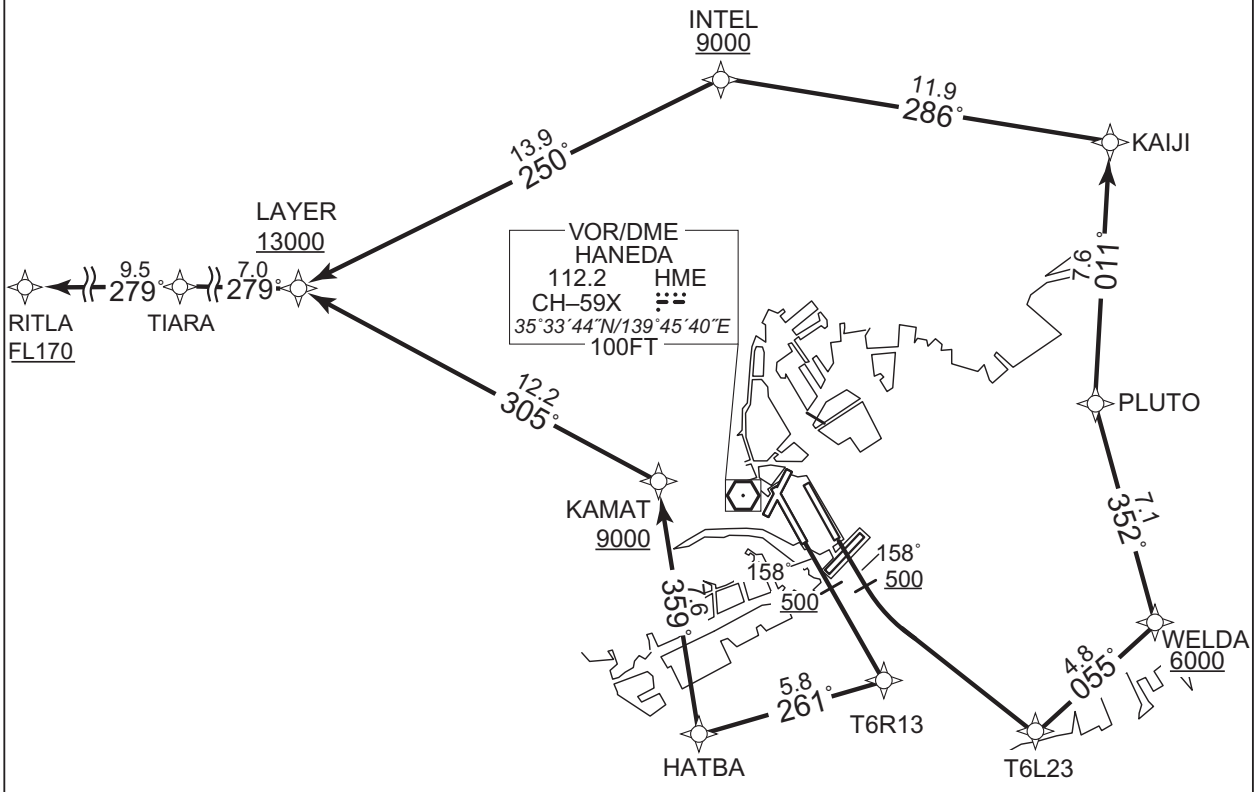
STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL RNAV SID

RITLA TWO B 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 - HATBA HYD 2.8NM to HATBA - 1.6NM to HATBA KAMAT - 9.2NM to LAYER PQD HATBA - 1.6NM to KAMAT KAMAT - 9.2NM to LAYER SND 11.2NM to LAYER - LAYER RWY16L : HME 1.0NM FM DER - 3.5NM to T6L23 PQD 6.6NM to KAIJI - KAIJI NRE 6.9NM to INTEL - 6.9NM to LAYER RWY05 : HME DER - 2.7NM to TT502 TT503 - 3.8NM to KAMAT 1.8NM to KAMAT - KAMAT HYD 1.2NM to TT503 - TT503 4.8NM to KAMAT - 3.8NM to KAMAT PQD KAMAT - 9.2NM to LAYER SND 11.2NM to LAYER - LAYER
DME GAP	RWY16R : DER - 1.2NM FM DER RWY16L : DER - 1.0NM FM DER RWY34R : DER - 1.0NM FM DER RWY05 : 3.8NM to KAMAT - 1.8NM to KAMAT		
Inappropriate Navaids	See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1		

VAR8°W(2020)

RITLA TWO B DEPARTURE RWY16R/16L



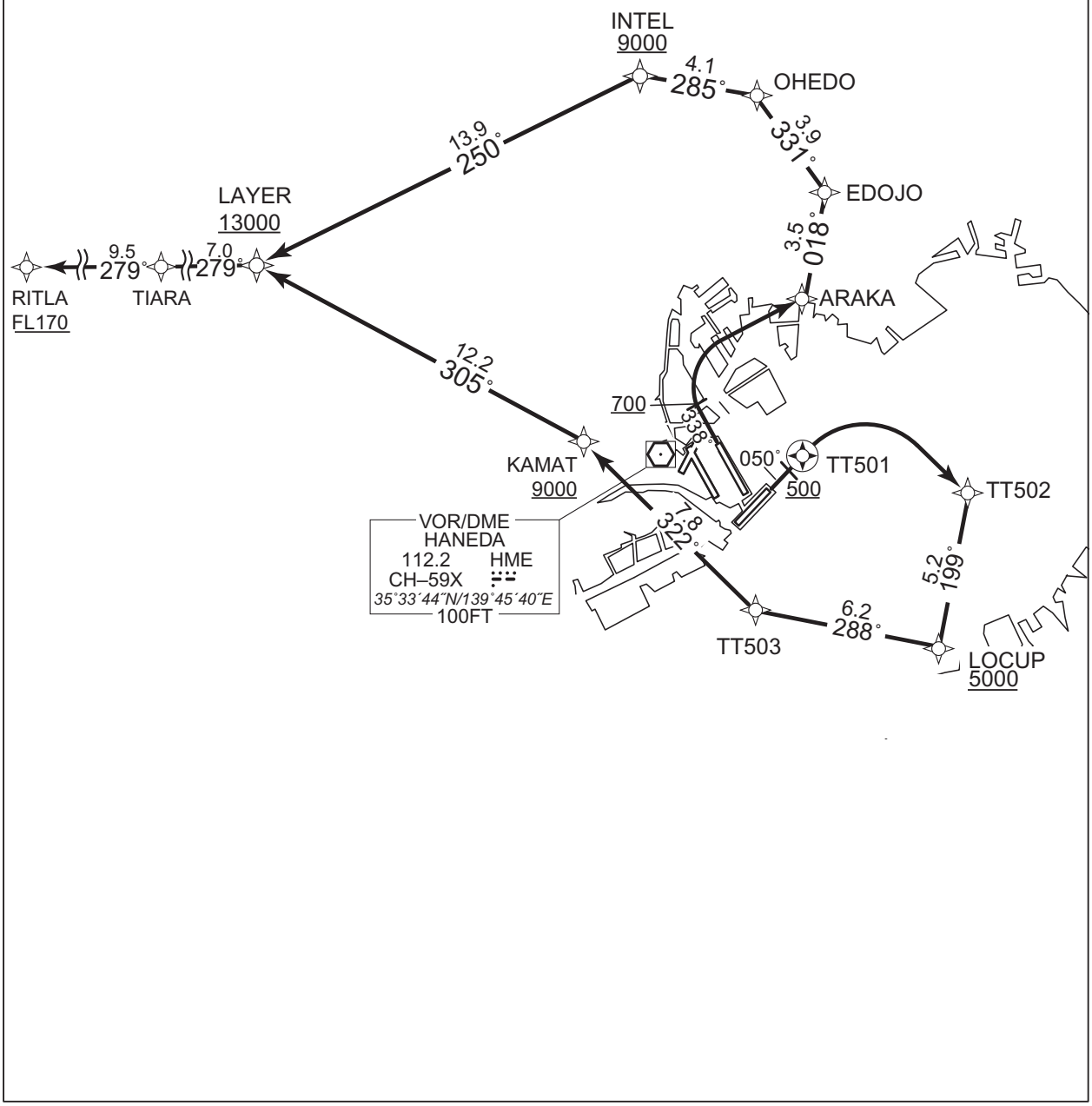
CHANGE : PROC renamed. VAR. RTE after LAYER. TIARA established.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL RNAV SID

VAR8°W(2020)

RITLA TWO B DEPARTURE RWY 34R/05



CHANGE : PROC renamed. VAR. RTE after LAYER. TIARA established. Course FM TT502 to LOCUP.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL RNAV SID

RITLA TWO 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 TIARA, to RITLA 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 LAYER at or above 13000FT, to TIARA, to RITLA 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 LAYER at or above 13000FT, to TIARA, to RITLA 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 TT503, to KAMAT at or above 9000FT, to LAYER at or above 13000FT, to TIARA, to RITLA 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. RTE after LAYER. TIARA established.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL RNAV SID

RITLA TWO B 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)	-7.6	–	–	+500	–	–	RNAV1
002	DF	T6R13	–	–	-7.6	–	–	–	–	–	RNAV1
003	TF	HATBA	–	261 (253.8)	-7.6	5.8	–	–	–	–	RNAV1
004	TF	KAMAT	–	359 (351.1)	-7.6	7.6	–	+9000	–	–	RNAV1
005	TF	LAYER	–	305 (297.1)	-7.6	12.2	–	+13000	–	–	RNAV1
006	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
007	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+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)	-7.6	–	–	+500	–	–	RNAV1
002	DF	T6L23	–	–	-7.6	–	L	–	–	–	RNAV1
003	TF	WELDA	–	055 (047.3)	-7.6	4.8	–	+6000	–	–	RNAV1
004	TF	PLUTO	–	352 (344.5)	-7.6	7.1	–	–	–	–	RNAV1
005	TF	KAIJI	–	011 (003.0)	-7.6	7.6	–	–	–	–	RNAV1
006	TF	INTEL	–	286 (278.4)	-7.6	11.9	–	+9000	–	–	RNAV1
007	TF	LAYER	–	250 (242.4)	-7.6	13.9	–	+13000	–	–	RNAV1
008	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
009	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+FL170	–	–	RNAV1

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)	-7.6	–	–	+700	–	–	RNAV1
002	DF	ARAKA	–	–	-7.6	–	R	–	–	–	RNAV1
003	TF	EDOJO	–	018 (010.8)	-7.6	3.5	–	–	–	–	RNAV1
004	TF	OHEDO	–	331 (323.7)	-7.6	3.9	–	–	–	–	RNAV1
005	TF	INTEL	–	285 (277.0)	-7.6	4.1	–	+9000	–	–	RNAV1
006	TF	LAYER	–	250 (242.4)	-7.6	13.9	–	+13000	–	–	RNAV1
007	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
008	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+FL170	–	–	RNAV1

CHANGE : PROC renamed. Magnetic Variation. RTE after LAYER. TIARA established.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL RNAV SID

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)	-7.6	–	–	+500	–	–	RNAV1
002	DF	TT501	Y	–	-7.6	–	–	–	–	–	RNAV1
003	DF	TT502	–	–	-7.6	–	R	–	–	–	RNAV1
004	TF	LOCUP	–	199 (190.9)	-7.6	5.2	–	+5000	–	–	RNAV1
005	TF	TT503	–	288 (280.8)	-7.6	6.2	–	–	–	–	RNAV1
006	TF	KAMAT	–	322 (314.2)	-7.6	7.8	–	+9000	–	–	RNAV1
007	TF	LAYER	–	305 (297.1)	-7.6	12.2	–	+13000	–	–	RNAV1
008	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
009	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+FL170	–	–	RNAV1

CHANGE : Magnetic Variation. RTE after LAYER. TIARA established. RWY05:NR004(Course).

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
ARAKA	*353848.8N / 1395041.9E*	PLUTO	*353632.1N / 1395736.8E*
EDOJO	*354214.0N / 1395129.9E*	RITLA	*353944.8N / 1390813.1E*
HATBA	*352623.4N / 1394315.9E*	T6L23	*352627.6N / 1395539.1E*
INTEL	*354553.0N / 1394340.2E*	T6R13	*352800.8N / 1395006.4E*
KAIJI	*354409.6N / 1395806.6E*	TIARA	*353934.0N / 1391954.2E*
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*
OHEDO	*354523.4N / 1394838.6E*	WELDA	*352941.4N / 1395956.7E*

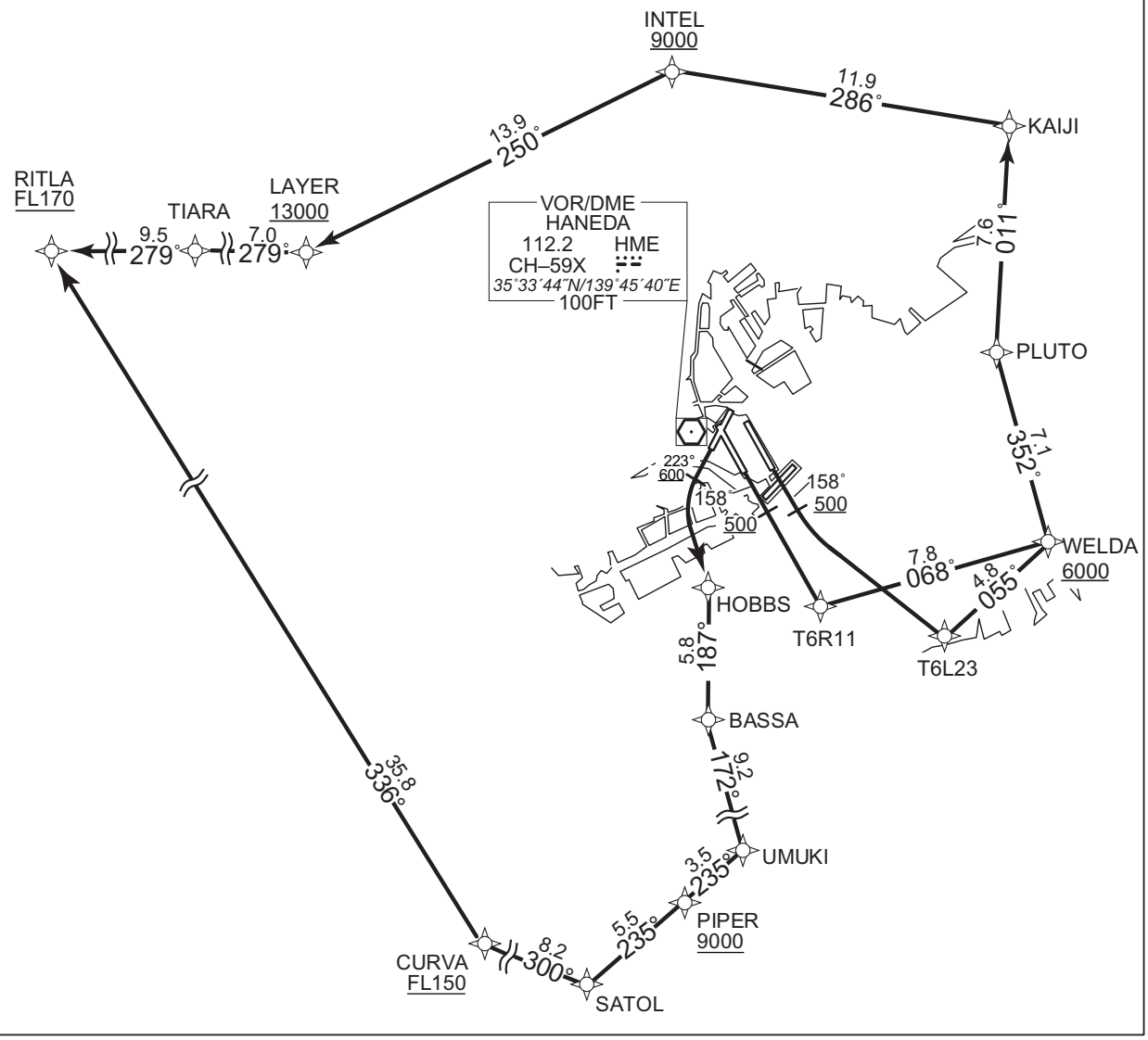
STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL — RNAV SID

RITLA TWO C 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 PQD 6.6NM to KAIJI - KAIJI NRE 6.9NM to INTEL - 6.9NM to LAYER RWY16L : HME 1.0NM FM DER - 3.5NM to T6L23 PQD 6.6NM to KAIJI - KAIJI NRE 6.9NM to INTEL - 6.9NM to LAYER RWY05 : HME DER - 2.7NM to TT502 TT503 - 3.8NM to KAMAT 1.8NM to KAMAT - KAMAT HYD 1.2NM to TT503 - TT503 4.8NM to KAMAT - 3.8NM to KAMAT PQD KAMAT - 9.2NM to LAYER SND 11.2NM to LAYER - LAYER
DME GAP	RWY16R : DER - 1.2NM FM DER RWY16L : DER - 1.0NM FM DER RWY34R : DER - 1.0NM FM DER RWY05 : 3.8NM to KAMAT - 1.8NM to KAMAT RWY22 : DER - 1.4NM FM DER		
Inappropriate Navaids	See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1		

VAR8˚W(2020)

RITLA TWO C DEPARTURE RWY16R/16L/22



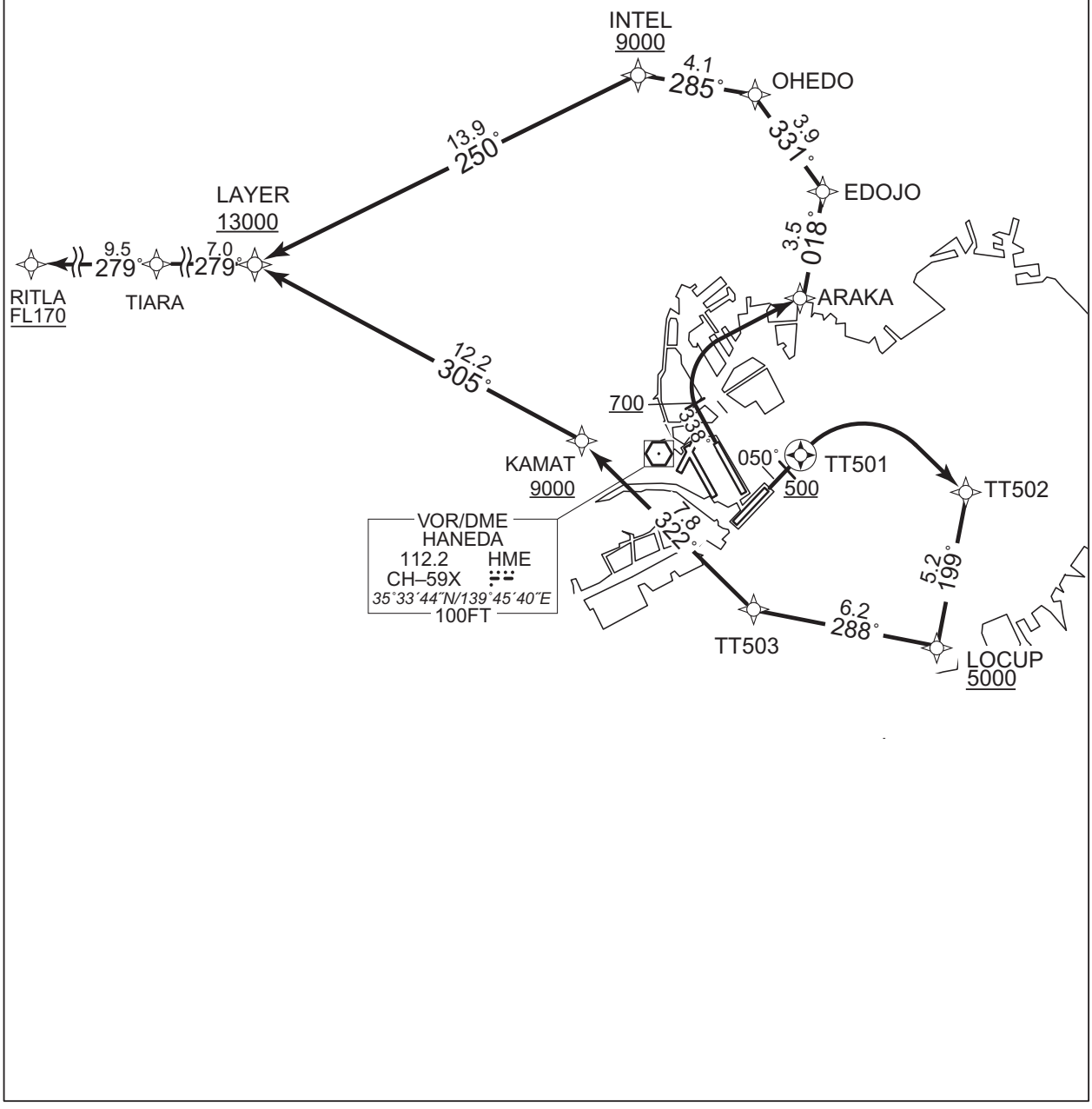
CHANGE : PROC renamed. VAR. RTE after LAYER. TIARA established. HDG after DEP FM RWY22. Course FM BASSA to UMUKI.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL RNAV SID

VAR8˚W(2020)

RITLA TWO C DEPARTURE RWY 34R/05



CHANGE : PROC renamed. VAR. RTE after LAYER. TIARA established. Course FM TT502 to LOCUP.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL RNAV SID

RITLA TWO 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 LAYER at or above 13000FT, to TIARA, to RITLA 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 LAYER at or above 13000FT, to TIARA, to RITLA 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 LAYER at or above 13000FT, to TIARA, to RITLA 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 TT503, to KAMAT at or above 9000FT, to LAYER at or above 13000FT, to TIARA, to RITLA 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 RITLA at or above FL170.

Note RWY34R : 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.

CHANGE : PROC renamed. RTE after LAYER. TIARA established. HDG after DEP FM RWY22.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL RNAV SID

RITLA TWO C 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)	-7.6	–	–	+500	–	–	RNAV1
002	DF	T6R11	–	–	-7.6	–	–	–	–	–	RNAV1
003	TF	WELDA	–	068 (060.6)	-7.6	7.8	–	+6000	–	–	RNAV1
004	TF	PLUTO	–	352 (344.5)	-7.6	7.1	–	–	–	–	RNAV1
005	TF	KAIJI	–	011 (003.0)	-7.6	7.6	–	–	–	–	RNAV1
006	TF	INTEL	–	286 (278.4)	-7.6	11.9	–	+9000	–	–	RNAV1
007	TF	LAYER	–	250 (242.4)	-7.6	13.9	–	+13000	–	–	RNAV1
008	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
009	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+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)	-7.6	–	–	+500	–	–	RNAV1
002	DF	T6L23	–	–	-7.6	–	L	–	–	–	RNAV1
003	TF	WELDA	–	055 (047.3)	-7.6	4.8	–	+6000	–	–	RNAV1
004	TF	PLUTO	–	352 (344.5)	-7.6	7.1	–	–	–	–	RNAV1
005	TF	KAIJI	–	011 (003.0)	-7.6	7.6	–	–	–	–	RNAV1
006	TF	INTEL	–	286 (278.4)	-7.6	11.9	–	+9000	–	–	RNAV1
007	TF	LAYER	–	250 (242.4)	-7.6	13.9	–	+13000	–	–	RNAV1
008	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
009	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+FL170	–	–	RNAV1

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)	-7.6	–	–	+700	–	–	RNAV1
002	DF	ARAKA	–	–	-7.6	–	R	–	–	–	RNAV1
003	TF	EDOJO	–	018 (010.8)	-7.6	3.5	–	–	–	–	RNAV1
004	TF	OHEDO	–	331 (323.7)	-7.6	3.9	–	–	–	–	RNAV1
005	TF	INTEL	–	285 (277.0)	-7.6	4.1	–	+9000	–	–	RNAV1
006	TF	LAYER	–	250 (242.4)	-7.6	13.9	–	+13000	–	–	RNAV1
007	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
008	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+FL170	–	–	RNAV1

CHANGE : PROC renamed. Magnetic Variation. RTE after LAYER. TIARA established.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTT/TOKYO INTL RNAV SID

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)	-7.6	–	–	+500	–	–	RNAV1
002	DF	TT501	Y	–	-7.6	–	–	–	–	–	RNAV1
003	DF	TT502	–	–	-7.6	–	R	–	–	–	RNAV1
004	TF	LOCUP	–	199 (190.9)	-7.6	5.2	–	+5000	–	–	RNAV1
005	TF	TT503	–	288 (280.8)	-7.6	6.2	–	–	–	–	RNAV1
006	TF	KAMAT	–	322 (314.2)	-7.6	7.8	–	+9000	–	–	RNAV1
007	TF	LAYER	–	305 (297.1)	-7.6	12.2	–	+13000	–	–	RNAV1
008	TF	TIARA	–	279 (271.2)	-7.6	7.0	–	–	–	–	RNAV1
009	TF	RITLA	–	279 (271.1)	-7.6	9.5	–	+FL170	–	–	RNAV1

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)	-7.6	–	–	+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	–	–	–	–	RNAV1
007	TF	CURVA	–	300 (292.2)	-7.6	8.2	–	+FL150	–	–	RNAV1
008	TF	RITLA	–	336 (328.3)	-7.6	35.8	–	+FL170	–	–	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
ARAKA	*353848.8N / 1395041.9E*	PLUTO	*353632.1N / 1395736.8E*
BASSA	*352108.8N / 1394542.2E*	RITLA	*353944.8N / 1390813.1E*
CURVA	*350919.0N / 1393124.4E*	SATOL	*350613.3N / 1394043.4E*
EDOJO	*354214.0N / 1395129.9E*	T6L23	*352627.6N / 1395539.1E*
HOBBS	*352653.9N / 1394541.3E*	T6R11	*352552.5N / 1395137.2E*
INTEL	*354553.0N / 1394340.2E*	TIARA	*353934.0N / 1391954.2E*
KAIJI	*354409.6N / 1395806.6E*	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*
OHEDO	*354523.4N / 1394838.6E*	WELDA	*352941.4N / 1395956.7E*
PIPER	*350958.3N / 1394542.0E*		

CHANGE : Magnetic Variation. RTE after LAYER. TIARA established. RWY05:NR004(Course). RWY22:NR001,004(Course).