AERODROME CHART

CHANGE : Spot FM 258 to 260, B9 established.

RJBB / KANSAI INTL

AD CHART

TAXIING GUIDE LINES AND PARKING AREAS

CHANGE : Spot FM 258 to 260, B9 established.

AERODROME OBSTACLE CHART–ICAO
TYPE A (OPERATIONAL LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8° W–FEB 2022

KANSAI INTERNATIONAL AIRPORT
RWY : 06R/24L

DECLARED DISTANCES	
RWY 06R	RWY 24L
TAKE OFF RUN AVAILABLE	3500m
TAKE OFF DISTANCE AVAILABLE	3500m
ACCELERATE STOP DISTANCE AVAILABLE	3500m
LANDING DISTANCE AVAILABLE	3500m

HORIZONTAL SCALE

LEGEND	
①	IDENTIFICATION NUMBER
⊙	POLE, TOWER, SPIRE, ANTENNA, ETC
✳	TREE
	LEVEE
	RAILROAD
	RIVER
	TRANSMISSION LINE OR OVERHEAD CABLE
▲	TRIANGULATION POINT
★	AERONAUTICAL GROUND LIGHT

AMENDMENT RECORD		
Nr	DATE	ENTERED BY

CHANGE : Update.

AERODROME OBSTACLE CHART–ICAO
TYPE A (OPERATIONAL LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8°W–FEB 2022

KANSAI INTERNATIONAL AIRPORT
RWY : 06L/24R

DECLARED DISTANCES	
RWY 06L	RWY 24R
TAKE OFF RUN AVAILABLE	4000m
TAKE OFF DISTANCE AVAILABLE	4000m
ACCELERATE STOP DISTANCE AVAILABLE	4000m
LANDING DISTANCE AVAILABLE	4000m

HORIZONTAL SCALE

LEGEND

- IDENTIFICATION NUMBER
- POLE, TOWER, SPIRE, ANTENNA, ETC
- TREE
- LEVEE
- RAILROAD
- RIVER
- TRANSMISSION LINE OR OVERHEAD CABLE
- TRIANGULATION POINT
- AERONAUTICAL GROUND LIGHT

AMENDMENT RECORD		
Nr	DATE	ENTERED BY

CHANGE : Update.

AERODROME OBSTRUCTION CHART

TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETICS

CHANGE : Update.

PRECISION APPROACH TERRAIN PROFILE CHART

DISTANCES AND HEIGHTS IN METERS

RWY 06R

HORIZONTAL SCALE 1:2500

VERTICAL SCALE 1:500

CONTOUR AND HEIGHTS ARE RELATED

TO ELEVATION OF RWY THR

CHANGE : Update.

PRECISION APPROACH TERRAIN PROFILE CHART

DISTANCES AND HEIGHTS IN METERS

RWY 24L

HORIZONTAL SCALE 1:2500

VERTICAL SCALE 1:500

CONTOUR AND HEIGHTS ARE RELATED

TO ELEVATION OF RWY THR

CHANGE : Update.

PRECISION APPROACH TERRAIN PROFILE CHART

DISTANCES AND HEIGHTS IN METERS

RWY 06L

HORIZONTAL SCALE 1:2500

VERTICAL SCALE 1:500

CONTOUR AND HEIGHTS ARE RELATED
TO ELEVATION OF RWY THR

CHANGE : Update.

PRECISION APPROACH TERRAIN PROFILE CHART

DISTANCES AND HEIGHTS IN METERS

RWY 24R

HORIZONTAL SCALE 1:2500

VERTICAL SCALE 1:500

CONTOUR AND HEIGHTS ARE RELATED

TO ELEVATION OF RWY THR

CHANGE : Update.

STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL SID

MAIKO ONE DEPARTURE

RWY06R : Climb on HDG054° to KIE 4.4DME, turn left, via KCE R167 to intercept and proceed via YOE R279 to MAIKO.
Cross KIE R049 at or above 2500FT,...

RWY06L : Turn left HDG289˚ to intercept and proceed via KIE R334, via YOE R279 to MAIKO,...

RWY24R : Turn right HDG019˚ to intercept and proceed via KIE R334, via YOE R279 to MAIKO,...

RWY24L : Climb on HDG244° to KIE 5.6DME, turn right, via KCE R221 to intercept and proceed via KIE R334, via YOE R279 to MAIKO,...

...cross MAIKO at or above 5000FT.

Note RWY06R/06L/24R/24L : 5.0% climb gradient required up to 500FT.

CHANGE : PROC renamed. PROC course. Note added.

STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL SID

FERRY SEVEN DEPARTURE

RWY06R : Climb RWY HDG to 500FT, turn left HDG270°...

RWY06L : Turn left HDG270˚...

RWY24R : Turn right HDG031˚...

RWY24L : Climb RWY HDG to 500FT, turn right HDG031°...

...to intercept and proceed via KIE R346, via YOE R279 to MAIKO.

Note RWY06R/06L/24R/24L : 5.0% climb gradient required up to 1100FT.

CHANGE : PROC renamed. PROC course. Note.

STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL TRANSITION

CHANGE : OLIVE TRANSITION, KAGAWA TRANSITION, AVLEX established.
MIYAZU TRANSITION, KIBI TRANSITION, KAGAWA NORTH TRANSITION, AYAYA abolished. PROC course.

OLIVE TRANSITION

From over MAIKO, proceed via YOE R279 to AVLEX, turn right, via KCE 39.1DME clockwise ARC to OLIVE.

KAGAWA TRANSITION

From over MAIKO, proceed via YOE R279 to AVLEX, turn left, via KTE R047 to KTE VOR/DME.

STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL SID

TOMOH WEST TWO DEPARTURE

RWY06R : Climb RWY HDG to 500FT, turn left HDG270°...
RWY06L : Turn left HDG270˚...
RWY24R : Turn right HDG270˚...
RWY24L : Climb RWY HDG to 500FT, turn right HDG270°...

...to intercept and proceed via KCE R215 to TOMOH.

Note RWY06R/06L/24R/24L : 5.0% climb gradient required up to 500FT.

CHANGE : PROC renamed. PROC course. Note added.

STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL SID

TOMOH FOUR DEPARTURE

RWY06R : Climb on HDG054° to KIE 4.4DME, turn left, via KCE R167 to KCE 6.8DME, turn left HDG270° to intercept and proceed via KCE R215 to TOMOH. Cross KIE R049 at or above 2500FT. ...

RWY06L : Turn left HDG270˚ to intercept and proceed via KCE R215 to TOMOH. ...

RWY24R : Turn right HDG270˚ to intercept and proceed via KCE R215 to TOMOH. ...

RWY24L : Climb on HDG244° to KIE 5.6DME, turn right HDG270˚ to intercept and proceed via KCE R215 to TOMOH. ...

...Cross TOMOH at or above 4000FT.

Note RWY06R/06L/24R/24L : 5.0% climb gradient required up to 500FT.

CHANGE : PROC renamed. PROC course. Note added.

STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL TRANSITION

CHANGE : KOCHI TRANSITION established. KOCHI SOUTH TRANSITION abolished. ALT restriction at D41.0 KCE/D58.7 KEC established. PROC course.

KOCHI TRANSITION

From over TOMOH, proceed via KIE R237 to DIODE, via KRE R068 to KRE VOR/DME.

Cross DIODE at or above FL140.

KUSHIMOTO TRANSITION

From over TOMOH, proceed via KCE R215 to KCE 41.0DME, turn left, via KEC R314 to KEC VORTAC.

Cross KCE R215/41.0DME at or above 10000FT.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL — RNAV SID and TRANSITION

UPMIN ONE DEPARTURE / DOPDA N TRANSITION / IVROG TRANSITION	RNP1

Note GNSS required.

UPMIN ONE DEPARTURE

RWY06R : Climb on HDG059° at or above 500FT, turn left direct to LELUS, to VEKTA, to UPMIN.
RWY06L : Climb on HDG059° at or above 500FT, turn left direct to LELUS, to VEKTA, to UPMIN.
RWY24R : Climb on HDG239° at or above 500FT, turn right direct to LELUS, to VEKTA, to UPMIN.
RWY24L : Climb on HDG239° at or above 500FT, turn right direct to LELUS, to VEKTA, to UPMIN.

Note RWY06R/06L/24R/24L : 5.0% climb gradient required up to 500FT.

DOPDA N TRANSITION

From UPMIN, to DOPDA, to KEC.

IVROG TRANSITION

From UPMIN, to IVROG.

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL RNAV SID and TRANSITION

UPMIN ONE DEPARTURE

RWY06R

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	—	—	059 (050.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	LELUS	—	—	-8.1	—	L	—	—	—	RNP1
003	TF	VEKTA	—	237 (229.2)	-8.1	3.6	—	—	—	—	RNP1
004	TF	UPMIN	—	184 (175.9)	-8.1	8.0	—	—	—	—	RNP1

RWY06L

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	—	—	059 (050.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	LELUS	—	—	-8.1	—	L	—	—	—	RNP1
003	TF	VEKTA	—	237 (229.2)	-8.1	3.6	—	—	—	—	RNP1
004	TF	UPMIN	—	184 (175.9)	-8.1	8.0	—	—	—	—	RNP1

RWY24R

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	—	—	239 (230.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	LELUS	—	—	-8.1	—	R	—	-230	—	RNP1
003	TF	VEKTA	—	237 (229.2)	-8.1	3.6	—	—	—	—	RNP1
004	TF	UPMIN	—	184 (175.9)	-8.1	8.0	—	—	—	—	RNP1

RWY24L

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	—	—	239 (230.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	LELUS	—	—	-8.1	—	R	—	-230	—	RNP1
003	TF	VEKTA	—	237 (229.2)	-8.1	3.6	—	—	—	—	RNP1
004	TF	UPMIN	—	184 (175.9)	-8.1	8.0	—	—	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
LELUS	*342436.6N / 1350309.3E*
VEKTA	*342215.6N / 1345951.2E*
UPMIN	*341416.7N / 1350033.1E*

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID and TRANSITION

DOPDA N TRANSITION

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	IF	UPMIN	—	—	-8.1	—	—	—	—	—	RNP1
002	TF	DOPDA	—	174 (166.2)	-8.1	20.3	—	—	—	—	RNP1
003	TF	KEC	—	137 (128.7)	-8.1	44.2	—	—	—	—	RNP1

IVROG TRANSITION

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	IF	UPMIN	—	—	-8.1	—	—	—	—	—	RNP1
002	TF	IVROG	—	250 (241.5)	-8.1	74.1	—	—	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
UPMIN	*341416.7N / 1350033.1E*	KEC	*332651.9N / 1354740.2E*
DOPDA	*335436.4N / 1350622.2E*	IVROG	*333828.1N / 1334224.0E*

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID and TRANSITION

SUSAN THREE DEPARTURE / DOPDA D TRANSITION	RNP1

Note GNSS required.

SUSAN THREE DEPARTURE

RWY06R : Climb on HDG059° at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to B6R14, turn left direct to LELUS, to TOMOH.

RWY06L : Climb on HDG059° at or above 500FT, turn left direct to LELUS, to TOMOH.

RWY24R : Climb on HDG239° at or above 500FT, turn right direct to LELUS, to TOMOH.

RWY24L : Climb on HDG239° at or above 500FT, direct to B4L30, to TOMOH.

Note RWY06R/06L/24R/24L : 5.0% climb gradient required up to 500FT.

DOPDA D TRANSITION

From TOMOH, to DOPDA, to KEC.

CHANGE : PROC renamed. DOPDA D TRANSITION established. LELUS, DOPDA established. BB430 abolished. Note added. Navigation Specification.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID and TRANSITION

CHANGE : PROC renamed. LELUS established. BB430 abolished. VAR. Navigation Specification. Waypoint Coordinates added.

SUSAN THREE DEPARTURE

RWY06R

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	–	–	059 (050.9)	-8.1	–	–	+500	–	–	RNP1
002	DF	B6R10	Y	–	-8.1	–	–	–	–	–	RNP1
003	DF	B6R11	–	–	-8.1	–	L	+2500	–	–	RNP1
004	TF	B6R14	Y	296 (287.8)	-8.1	5.4	–	–	–	–	RNP1
005	DF	LELUS	–	–	-8.1	–	L	–	–	–	RNP1
006	TF	TOMOH	–	205 (196.6)	-8.1	8.1	–	–	–	–	RNP1

RWY06L

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	–	–	059 (050.9)	-8.1	–	–	+500	–	–	RNP1
002	DF	LELUS	–	–	-8.1	–	L	–	–	–	RNP1
003	TF	TOMOH	–	205 (196.6)	-8.1	8.1	–	–	–	–	RNP1

RWY24R

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	–	–	239 (230.9)	-8.1	–	–	+500	–	–	RNP1
002	DF	LELUS	–	–	-8.1	–	R	–	–	–	RNP1
003	TF	TOMOH	–	205 (196.6)	-8.1	8.1	–	–	–	–	RNP1

RWY24L

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	–	–	239 (230.9)	-8.1	–	–	+500	–	–	RNP1
002	DF	B4L30	–	–	-8.1	–	–	–	–	–	RNP1
003	TF	TOMOH	–	237 (229.1)	-8.1	5.2	–	–	–	–	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
B6R10	*342759.6N / 1351746.0E*	LELUS	*342436.6N / 1350309.3E*
B6R11	*343140.8N / 1351845.1E*	B4L30	*342013.0N / 1350504.1E*
B6R14	*343320.1N / 1351229.1E*	TOMOH	*341649.6N / 1350020.3E*

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID and TRANSITION

DOPDA D TRANSITION

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	IF	TOMOH	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	DOPDA	–	175 (167.3)	-8.1	22.8	–	–	–	–	RNP1
003	TF	KEC	–	137 (128.7)	-8.1	44.2	–	–	–	–	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
TOMOH	*341649.6N / 1350020.3E*
DOPDA	*335436.4N / 1350622.2E*
KEC	*332651.9N / 1354740.2E*

CHANGE : DOPDA D TRANSITION established.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

SOVRI ONE DEPARTURE	RNP1

Note GNSS required.

RWY06R : Climb on HDG059° at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to B6R14, turn left direct to KIE at or above 5000FT, to MIMIG, to SOVRI.

RWY06L : Climb on HDG059° at or above 500FT, turn left direct to KIE at or above 5000FT, to MIMIG, to SOVRI.

RWY24R : Climb on HDG239° at or above 500FT, turn right direct to MUMSU at or above 5000FT, to MIMIG, to SOVRI.

RWY24L : Climb on HDG239° at or above 500FT, direct to B4L10, turn right direct to KIE at or above 5000FT, to MIMIG, to SOVRI.

Note RWY06R/06L/24R/24L : 5.0% climb gradient required up to 500FT.
RWY06L/24R : No turn before DER.

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

SOVRI ONE DEPARTURE

RWY06R

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	—	—	059 (050.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	B6R10	Y	—	-8.1	—	—	—	—	—	RNP1
003	DF	B6R11	—	—	-8.1	—	L	+2500	—	—	RNP1
004	TF	B6R14	Y	296 (287.8)	-8.1	5.4	—	—	—	—	RNP1
005	DF	KIE	—	—	-8.1	—	L	+5000	—	—	RNP1
006	TF	MIMIG	—	090 (081.4)	-8.1	3.9	—	—	—	—	RNP1
007	TF	SOVRI	—	090 (081.5)	-8.1	1.7	—	—	—	—	RNP1

RWY06L

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	—	—	059 (050.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	KIE	—	—	-8.1	—	L	+5000	-210	—	RNP1
003	TF	MIMIG	—	090 (081.4)	-8.1	3.9	—	—	—	—	RNP1
004	TF	SOVRI	—	090 (081.5)	-8.1	1.7	—	—	—	—	RNP1

RWY24R

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	—	—	239 (230.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	MUMSU	—	—	-8.1	—	R	+5000	-210	—	RNP1
003	TF	MIMIG	—	119 (110.8)	-8.1	2.3	—	—	—	—	RNP1
004	TF	SOVRI	—	090 (081.5)	-8.1	1.7	—	—	—	—	RNP1

RWY24L

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	—	—	239 (230.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	B4L10	Y	—	-8.1	—	—	—	—	—	RNP1
003	DF	KIE	—	—	-8.1	—	R	+5000	—	—	RNP1
004	TF	MIMIG	—	090 (081.4)	-8.1	3.9	—	—	—	—	RNP1
005	TF	SOVRI	—	090 (081.5)	-8.1	1.7	—	—	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
B6R10	*342759.6N / 1351746.0E*	KIE	*342532.7N / 1351227.8E*
B6R11	*343140.8N / 1351845.1E*	MUMSU	*342656.2N / 1351432.3E*
B6R14	*343320.1N / 1351229.1E*	MIMIG	*342607.4N / 1351707.8E*
B4L10	*342136.9N / 1350734.5E*	SOVRI	*342622.9N / 1351913.4E*

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL — RNAV TRANSITION

UPRAL TRANSITION / SHTLE TRANSITION	RNP1

Note GNSS required.

CHANGE : UPRAL TRANSITION, SOVRI, UPRAL established. BAMBI TRANSITION, UENOH TRANSITION, ISPUM, NARAH abolished. Note. PROC course. VAR. Navigation Specification. Waypoint Coordinates added.

VAR 8˚ W

UPRAL TRANSITION

From SOVRI, to UPRAL.

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	IF	SOVRI	—	—	-8.1	—	—	—	—	—	RNP1
002	TF	UPRAL	—	087 (078.6)	-8.1	18.4	—	—	—	—	RNP1

SHTLE TRANSITION

From SOVRI, to UPRAL, to YAGYU, to SHTLE.

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	IF	SOVRI	—	—	-8.1	—	—	—	—	—	RNAV1
002	TF	UPRAL	—	087 (078.6)	-8.1	18.4	—	—	—	—	RNAV1
003	TF	YAGYU	—	087 (078.8)	-8.1	13.9	—	—	—	—	RNAV1
004	TF	SHTLE	—	078 (070.3)	-8.1	51.7	—	—	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
SOVRI	*342622.9N / 1351913.4E*	YAGYU	*343239.3N / 1355738.1E*
UPRAL	*342958.8N / 1354102.9E*	SHTLE	*344951.0N / 1365653.8E*

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

NANKO THREE DEPARTURE	RNP1

Note GNSS required.

RWY06R : Climb on HDG059˚ at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to NANKO at or above 5000FT.

RWY06L : Climb on HDG059˚ at or above 500FT, turn left direct to B6L01, to NANKO at or above 5000FT.

RWY24R : Climb on HDG239˚ at or above 500FT, turn right direct to NANKO at or above 5000FT.

RWY24L : Climb on HDG239˚ at or above 500FT, direct to B4L10, turn right direct to NANKO at or above 5000FT.

Note RWY06R/06L/24R/24L : 5.0% climb gradient required up to 500FT.

CHANGE : PROC renamed. PROC course. B6L01 established. B4R20, B6R13, B6L20 abolished. ALT restriction at NANKO. Note added. Navigation Specification.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

CHANGE : PROC renamed. PROC course. B6L01 established. B6R13, B6L20, B4R20 abolished. VAR. ALT restriction at NANKO. Navigation Specification. Waypoint Coordinates added.

NANKO THREE DEPARTURE

RWY06R

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	–	–	059 (050.9)	-8.1	–	–	+500	–	–	RNP1
002	DF	B6R10	Y	–	-8.1	–	–	–	–	–	RNP1
003	DF	B6R11	–	–	-8.1	–	L	+2500	–	–	RNP1
004	TF	NANKO	–	031 (023.3)	-8.1	5.4	–	+5000	–	–	RNP1

RWY06L

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	–	–	059 (050.9)	-8.1	–	–	+500	–	–	RNP1
002	DF	B6L01	–	–	-8.1	–	L	–	–	–	RNP1
003	TF	NANKO	–	051 (043.4)	-8.1	5.1	–	+5000	–	–	RNP1

RWY24R

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	–	–	239 (230.9)	-8.1	–	–	+500	–	–	RNP1
002	DF	NANKO	–	–	-8.1	–	R	+5000	–	–	RNP1

RWY24L

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	–	–	239 (230.9)	-8.1	–	–	+500	–	–	RNP1
002	DF	B4L10	Y	–	-8.1	–	–	–	–	–	RNP1
003	DF	NANKO	–	–	-8.1	–	R	+5000	–	–	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
B6R10	*342759.6N / 1351746.0E*	B4L10	*342136.9N / 1350734.5E*
B6R11	*343140.8N / 1351845.1E*	NANKO	*343638.7N / 1352121.0E*
B6L01	*343258.4N / 1351708.1E*		

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL — RNAV TRANSITION

GUJYO TRANSITION / NAGOYA TRANSITION	RNP1

Note GNSS required.

GUJYO TRANSITION

From NANKO, to NIKEX, to KYOTO, to SIGAK, to GUJYO.

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	IF	NANKO	—	—	-7.9	—	—	—	—	—	RNP1
002	TF	NIKEX	—	051 (043.4)	-7.9	15.6	—	—	—	—	RNP1
003	TF	KYOTO	—	086 (077.7)	-7.9	8.7	—	—	—	—	RNP1
004	TF	SIGAK	—	085 (077.4)	-7.9	15.2	—	—	—	—	RNP1
005	TF	GUJYO	—	050 (042.0)	-7.9	38.7	—	—	—	—	RNP1

NAGOYA TRANSITION

From NANKO, to NIKEX, to KYOTO, to SIGAK at or above 7000FT, to KCC.

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	IF	NANKO	—	—	-7.9	—	—	—	—	—	RNP1
002	TF	NIKEX	—	051 (043.4)	-7.9	15.6	—	—	—	—	RNP1
003	TF	KYOTO	—	086 (077.7)	-7.9	8.7	—	—	—	—	RNP1
004	TF	SIGAK	—	085 (077.4)	-7.9	15.2	—	+7000	—	—	RNP1
005	TF	KCC	—	069 (061.6)	-7.9	48.3	—	—	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
NANKO	*343638.7N / 1352121.0E*	SIGAK	*345307.7N / 1360252.7E*
NIKEX	*344758.7N / 1353424.9E*	GUJYO	*352150.5N / 1363438.5E*
KYOTO	*344949.7N / 1354448.8E*	KCC	*351555.0N / 1365453.7E*

CHANGE : GUJYO TRANSITION, NIKEX established. SIGAK TRANSITION, OGURA abolished. Note. ALT restriction at SIGAK. Navigation Specification. Waypoint Coordinates added.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL — RNAV SID

RINKU ONE DEPARTURE	RNP1

Note GNSS required.

RWY06R : Climb on HDG059° at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to PUNIB at or above 5000FT, to MAIKO.

RWY06L : Climb on HDG059° at or above 500FT, turn left direct to BB400, to PUNIB at or above 5000FT, to MAIKO.

RWY24R : Climb on HDG239° at or above 500FT, turn right direct to LELUS, to BB400, to PUNIB at or above 5000FT, to MAIKO.

RWY24L : Climb on HDG239° at or above 500FT, direct to B4L10, turn right direct to LELUS, to BB400, to PUNIB at or above 5000FT, to MAIKO.

Note RWY06R/06L/24R/24L : 5.0% climb gradient required up to 500FT.

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL RNAV SID

RINKU ONE DEPARTURE

RWY06R

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	—	—	059 (050.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	B6R10	Y	—	-8.1	—	—	—	—	—	RNP1
003	DF	B6R11	—	—	-8.1	—	L	+2500	—	—	RNP1
004	TF	PUNIB	—	296 (287.8)	-8.1	13.1	—	+5000	—	—	RNP1
005	TF	MAIKO	—	296 (287.7)	-8.1	3.3	—	—	—	—	RNP1

RWY06L

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	—	—	059 (050.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	BB400	—	—	-8.1	—	L	—	—	—	RNP1
003	TF	PUNIB	—	356 (347.7)	-8.1	5.8	—	+5000	—	—	RNP1
004	TF	MAIKO	—	296 (287.7)	-8.1	3.3	—	—	—	—	RNP1

RWY24R

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	—	—	239 (230.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	LELUS	—	—	-8.1	—	R	—	-210	—	RNP1
003	TF	BB400	—	025 (016.7)	-8.1	5.7	—	—	—	—	RNP1
004	TF	PUNIB	—	356 (347.7)	-8.1	5.8	—	+5000	—	—	RNP1
005	TF	MAIKO	—	296 (287.7)	-8.1	3.3	—	—	—	—	RNP1

RWY24L

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	—	—	239 (230.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	B4L10	Y	—	-8.1	—	—	—	—	—	RNP1
003	DF	LELUS	—	—	-8.1	—	R	—	-210	—	RNP1
004	TF	BB400	—	025 (016.7)	-8.1	5.7	—	—	—	—	RNP1
005	TF	PUNIB	—	356 (347.7)	-8.1	5.8	—	+5000	—	—	RNP1
006	TF	MAIKO	—	296 (287.7)	-8.1	3.3	—	—	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
B6R10	*342759.6N / 1351746.0E*	BB400	*343002.3N / 1350507.5E*
B6R11	*343140.8N / 1351845.1E*	PUNIB	*343539.8N / 1350337.8E*
B4L10	*342136.9N / 1350734.5E*	MAIKO	*343639.7N 1345949.1E*
LELUS	*342436.6N / 1350309.3E*		

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

IWAYA THREE DEPARTURE	RNP1

Note GNSS required.

RWY06R : Climb on HDG059˚ at or above 500FT, turn left direct to OMGEK at or above 5000FT, to MAIKO.

RWY06L : Climb on HDG059˚ at or above 500FT, turn left direct to OMGEK at or above 5000FT, to MAIKO.

RWY24R : Climb on HDG239˚ at or above 700FT, turn right direct to BB401, to OMGEK at or above 5000FT, to MAIKO.

RWY24L : Climb on HDG239˚ at or above 700FT, turn right direct to BB401, to OMGEK at or above 5000FT, to MAIKO.

Note RWY06R/06L : 5.0% climb gradient required up to 500FT.
RWY24R/24L : 5.0% climb gradient required up to 700FT.

CHANGE : PROC renamed. PROC course. BB401, OMGEK established. BB430, HELEN abolished. Note added. Navigation Specification.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

CHANGE : PROC renamed. PROC course. BB401, OMGEK established. BB430, HELEN abolished. RWY06R, RWY06L Departure established. VAR. ALT restriction at OMGEK. Navigation Specification. Waypoint Coordinates added.

IWAYA THREE DEPARTURE

RWY06R

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	–	–	059 (050.9)	-8.1	–	–	+500	–	–	RNP1
002	DF	OMGEK	–	–	-8.1	–	L	+5000	–	–	RNP1
003	TF	MAIKO	–	279 (271.4)	-8.1	6.1	–	–	–	–	RNP1

RWY06L

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	–	–	059 (050.9)	-8.1	–	–	+500	–	–	RNP1
002	DF	OMGEK	–	–	-8.1	–	L	+5000	–	–	RNP1
003	TF	MAIKO	–	279 (271.4)	-8.1	6.1	–	–	–	–	RNP1

RWY24R

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	–	–	239 (230.9)	-8.1	–	–	+700	–	–	RNP1
002	DF	BB401	–	–	-8.1	–	R	–	–	–	RNP1
003	TF	OMGEK	–	360 (351.8)	-8.1	8.9	–	+5000	–	–	RNP1
004	TF	MAIKO	–	279 (271.4)	-8.1	6.1	–	–	–	–	RNP1

RWY24L

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	–	–	239 (230.9)	-8.1	–	–	+700	–	–	RNP1
002	DF	BB401	–	–	-8.1	–	R	–	–	–	RNP1
003	TF	OMGEK	–	360 (351.8)	-8.1	8.9	–	+5000	–	–	RNP1
004	TF	MAIKO	–	279 (271.4)	-8.1	6.1	–	–	–	–	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
BB401	*342742.8N / 1350844.5E*
OMGEK	*343631.3N / 1350711.5E*
MAIKO	*343639.7N / 1345949.1E*

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

CHANGE : SHION N TRANSITION, WASYU N TRANSITION, HABAR N TRANSITION, OSRIX, GUMID established. PROC course. VAR.
SHION TRANSITION, WASYU TRANSITION, HABAR TRANSITION abolished. Navigation Specification.

SHION N TRANSITION / SOUJA TRANSITION
WASYU N TRANSITION / HABAR N TRANSITION

RNP1

Note GNSS required.

VAR 8° W

SHION N TRANSITION

From MAIKO, to OSRIX, to SHION.

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	IF	MAIKO	—	—	-8.1	—	—	—	—	—	RNP1
002	TF	OSRIX	—	283 (274.6)	-8.1	10.9	—	—	—	—	RNP1
003	TF	SHION	—	252 (244.3)	-8.1	27.2	—	—	—	—	RNP1

SOUJA TRANSITION

From MAIKO, to OSRIX, to GUMID, to SOUJA.

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	IF	MAIKO	—	—	-8.1	—	—	—	—	—	RNP1
002	TF	OSRIX	—	283 (274.6)	-8.1	10.9	—	—	—	—	RNP1
003	TF	GUMID	—	273 (265.3)	-8.1	36.4	—	—	—	—	RNP1
004	TF	SOUJA	—	290 (282.2)	-8.1	15.3	—	—	—	—	RNP1

WASYU N TRANSITION

From MAIKO, to OSRIX, to SHION, to WASYU.

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	IF	MAIKO	—	—	-8.1	—	—	—	—	—	RNP1
002	TF	OSRIX	—	283 (274.6)	-8.1	10.9	—	—	—	—	RNP1
003	TF	SHION	—	252 (244.3)	-8.1	27.2	—	—	—	—	RNP1
004	TF	WASYU	—	282 (273.6)	-8.1	44.6	—	—	—	—	RNP1

HABAR N TRANSITION

From MAIKO, to OSRIX, to SHION, to HABAR.

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	IF	MAIKO	—	—	-8.1	—	—	—	—	—	RNP1
002	TF	OSRIX	—	283 (274.6)	-8.1	10.9	—	—	—	—	RNP1
003	TF	SHION	—	252 (244.3)	-8.1	27.2	—	—	—	—	RNP1
004	TF	HABAR	—	268 (259.4)	-8.1	35.0	—	—	—	—	RNP1

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
MAIKO	*343639.7N / 1345949.1E*	SOUJA	*343738.6N / 1334422.5E*
OSRIX	*343731.5N / 1344639.1E*	WASYU	*342817.5N / 1332301.1E*
SHION	*342542.1N / 1341657.4E*	HABAR	*341909.7N / 1333519.6E*
GUMID	*343425.8N / 1340234.0E*		

CHANGE : Waypoint Coordinates added.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

LINDA ONE DEPARTURE	RNP1

Note GNSS required.

RWY06R : Climb on HDG059° at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to B6R12, to IDLAK at or above 5000FT, to LINDA.

RWY06L : Climb on HDG059° at or above 500FT, turn left direct to BB400, to IDLAK at or above 5000FT, to LINDA.

RWY24R : Climb on HDG239° at or above 500FT, turn right direct to IDLAK at or above 5000FT, to LINDA.

RWY24L : Climb on HDG239° at or above 500FT, direct to B4L10, turn right direct to IDLAK at or above 5000FT, to LINDA.

Note RWY06R/06L/24R/24L : 5.0% climb gradient required up to 500FT.

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL RNAV SID

LINDA ONE DEPARTURE

RWY06R

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	—	—	059 (050.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	B6R10	Y	—	-8.1	—	—	—	—	—	RNP1
003	DF	B6R11	—	—	-8.1	—	L	+2500	—	—	RNP1
004	TF	B6R12	—	296 (287.8)	-8.1	8.5	—	—	—	—	RNP1
005	TF	IDLAK	—	249 (240.6)	-8.1	8.5	—	+5000	—	—	RNP1
006	TF	LINDA	—	279 (271.4)	-8.1	6.8	—	—	—	—	RNP1

RWY06L

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	—	—	059 (050.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	BB400	—	—	-8.1	—	L	—	—	—	RNP1
003	TF	IDLAK	—	279 (270.9)	-8.1	4.3	—	+5000	—	—	RNP1
004	TF	LINDA	—	279 (271.4)	-8.1	6.8	—	—	—	—	RNP1

RWY24R

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	—	—	239 (230.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	IDLAK	—	—	-8.1	—	R	+5000	—	—	RNP1
003	TF	LINDA	—	279 (271.4)	-8.1	6.8	—	—	—	—	RNP1

RWY24L

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	—	—	239 (230.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	B4L10	Y	—	-8.1	—	—	—	—	—	RNP1
003	DF	IDLAK	—	—	-8.1	—	R	+5000	—	—	RNP1
004	TF	LINDA	—	279 (271.4)	-8.1	6.8	—	—	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
B6R10	*342759.6N / 1351746.0E*	B4L10	*342136.9N / 1350734.5E*
B6R11	*343140.8N / 1351845.1E*	IDLAK	*343006.2N / 1345953.0E*
B6R12	*343417.0N / 1350853.1E*	LINDA	*343015.8N / 1345140.1E*
BB400	*343002.3N / 1350507.5E*		

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

SHION D TRANSITION / WASYU D TRANSITION / HABAR D TRANSITION	RNP1

Note GNSS required.

SHION D TRANSITION

From LINDA, to SHION.

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	IF	LINDA	—	—	-8.1	—	—	—	—	—	RNP1
002	TF	SHION	—	269 (261.1)	-8.1	29.0	—	—	—	—	RNP1

WASYU D TRANSITION

From LINDA, to SHION, to WASYU.

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	IF	LINDA	—	—	-8.1	—	—	—	—	—	RNP1
002	TF	SHION	—	269 (261.1)	-8.1	29.0	—	—	—	—	RNP1
003	TF	WASYU	—	282 (273.6)	-8.1	44.6	—	—	—	—	RNP1

HABAR D TRANSITION

From LINDA, to SHION, to HABAR.

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	IF	LINDA	—	—	-8.1	—	—	—	—	—	RNP1
002	TF	SHION	—	269 (261.1)	-8.1	29.0	—	—	—	—	RNP1
003	TF	HABAR	—	268 (259.4)	-8.1	35.0	—	—	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
LINDA	*343015.8N / 1345140.1E*	WASYU	*342817.5N / 1332301.1E*
SHION	*342542.1N / 1341657.4E*	HABAR	*341909.7N / 1333519.6E*

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL — RNAV SID

OBLUR ONE DEPARTURE	RNP1

Note GNSS required.

RWY06R : Climb on HDG059° at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to B6R14, turn left direct to ELMUL at or above 5000FT, to EPKUR, to SURIF, to OBLUR.

RWY06L : Climb on HDG059° at or above 500FT, turn left direct to ELMUL at or above 5000FT, to EPKUR, to SURIF, to OBLUR.

RWY24R : Climb on HDG239° at or above 500FT, turn right direct to LELUS, to ELMUL at or above 5000FT, to EPKUR, to SURIF, to OBLUR.

RWY24L : Climb on HDG239° at or above 500FT, direct to B4L10, turn right direct to ELMUL at or above 5000FT, to EPKUR, to SURIF, to OBLUR.

Note RWY06R/06L/24R/24L : 5.0% climb gradient required up to 500FT.

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

OBLUR ONE DEPARTURE

RWY06R

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	—	—	059 (050.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	B6R10	Y	—	-8.1	—	—	—	—	—	RNP1
003	DF	B6R11	—	—	-8.1	—	L	+2500	—	—	RNP1
004	TF	B6R14	Y	296 (287.8)	-8.1	5.4	—	—	—	—	RNP1
005	DF	ELMUL	—	—	-8.1	—	L	+5000	—	—	RNP1
006	TF	EPKUR	—	248 (240.1)	-8.1	14.3	—	—	—	—	RNP1
007	TF	SURIF	—	238 (230.0)	-8.1	4.0	—	—	—	—	RNP1
008	TF	OBLUR	—	238 (230.0)	-8.1	14.7	—	—	—	—	RNP1

RWY06L

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	—	—	059 (050.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	ELMUL	—	—	-8.1	—	L	+5000	—	—	RNP1
003	TF	EPKUR	—	248 (240.1)	-8.1	14.3	—	—	—	—	RNP1
004	TF	SURIF	—	238 (230.0)	-8.1	4.0	—	—	—	—	RNP1
005	TF	OBLUR	—	238 (230.0)	-8.1	14.7	—	—	—	—	RNP1

RWY24R

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	—	—	239 (230.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	LELUS	—	—	-8.1	—	R	—	—	—	RNP1
003	TF	ELMUL	—	274 (266.4)	-8.1	7.0	—	+5000	—	—	RNP1
004	TF	EPKUR	—	248 (240.1)	-8.1	14.3	—	—	—	—	RNP1
005	TF	SURIF	—	238 (230.0)	-8.1	4.0	—	—	—	—	RNP1
006	TF	OBLUR	—	238 (230.0)	-8.1	14.7	—	—	—	—	RNP1

RWY24L

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	—	—	239 (230.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	B4L10	Y	—	-8.1	—	—	—	—	—	RNP1
003	DF	ELMUL	—	—	-8.1	—	R	+5000	—	—	RNP1
004	TF	EPKUR	—	248 (240.1)	-8.1	14.3	—	—	—	—	RNP1
005	TF	SURIF	—	238 (230.0)	-8.1	4.0	—	—	—	—	RNP1
006	TF	OBLUR	—	238 (230.0)	-8.1	14.7	—	—	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
B6R10	*342759.6N / 1351746.0E*	ELMUL	*342410.0N / 1345444.1E*
B6R11	*343140.8N / 1351845.1E*	EPKUR	*341700.9N / 1343944.0E*
B6R14	*343320.1N / 1351229.1E*	SURIF	*341426.6N / 1343601.7E*
LELUS	*342436.6N / 1350309.3E*	OBLUR	*340459.0N / 1342227.0E*
B4L10	*342136.9N / 1350734.5E*		

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

OMGOR ONE DEPARTURE	RNP1

Note GNSS required.

RWY06R : Climb on HDG059° at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to B6R14, turn left direct to ENKUD at or above 5000FT, to EMVEN, to OMGOR.

RWY06L : Climb on HDG059° at or above 500FT, turn left direct to LELUS, to ENKUD at or above 5000FT, to EMVEN, to OMGOR.

RWY24R : Climb on HDG239° at or above 500FT, turn right direct to LELUS, to ENKUD at or above 5000FT, to EMVEN, to OMGOR.

RWY24L : Climb on HDG239° at or above 500FT, direct to B4L10, direct to ENKUD at or above 5000FT, to EMVEN, to OMGOR.

Note RWY06R/06L/24R/24L : 5.0% climb gradient required up to 500FT.

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

OMGOR ONE DEPARTURE

RWY06R

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	—	—	059 (050.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	B6R10	Y	—	-8.1	—	—	—	—	—	RNP1
003	DF	B6R11	—	—	-8.1	—	L	+2500	—	—	RNP1
004	TF	B6R14	Y	296 (287.8)	-8.1	5.4	—	—	—	—	RNP1
005	DF	ENKUD	—	—	-8.1	—	L	+5000	—	—	RNP1
006	TF	EMVEN	—	248 (240.1)	-8.1	12.8	—	—	—	—	RNP1
007	TF	OMGOR	—	244 (235.6)	-8.1	5.0	—	—	—	—	RNP1

RWY06L

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	—	—	059 (050.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	LELUS	—	—	-8.1	—	L	—	—	—	RNP1
003	TF	ENKUD	—	227 (218.6)	-8.1	7.7	—	+5000	—	—	RNP1
004	TF	EMVEN	—	248 (240.1)	-8.1	12.8	—	—	—	—	RNP1
005	TF	OMGOR	—	244 (235.6)	-8.1	5.0	—	—	—	—	RNP1

RWY24R

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	—	—	239 (230.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	LELUS	—	—	-8.1	—	R	—	—	—	RNP1
003	TF	ENKUD	—	227 (218.6)	-8.1	7.7	—	+5000	—	—	RNP1
004	TF	EMVEN	—	248 (240.1)	-8.1	12.8	—	—	—	—	RNP1
005	TF	OMGOR	—	244 (235.6)	-8.1	5.0	—	—	—	—	RNP1

RWY24L

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	—	—	239 (230.9)	-8.1	—	—	+500	—	—	RNP1
002	DF	B4L10	Y	—	-8.1	—	—	—	—	—	RNP1
003	DF	ENKUD	—	—	-8.1	—	—	+5000	—	—	RNP1
004	TF	EMVEN	—	248 (240.1)	-8.1	12.8	—	—	—	—	RNP1
005	TF	OMGOR	—	244 (235.6)	-8.1	5.0	—	—	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
B6R10	*342759.6N / 1351746.0E*	B4L10	*342136.9N / 1350734.5E*
B6R11	*343140.8N / 1351845.1E*	ENKUD	*341833.8N / 1345719.3E*
B6R14	*343320.1N / 1351229.1E*	EMVEN	*341209.7N / 1344353.3E*
LELUS	*342436.6N / 1350309.3E*	OMGOR	*340920.3N / 1343854.4E*

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL STAR

SASVO ARRIVAL

From over SASVO, proceed via YOE R279 to MAYAH via MAIKO.
Cross MAYAH at or above 4000FT.

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

STAR

TOKUSHIMA ARRIVAL

From over TSC VORTAC, proceed via TSC R093 to GATES.
Cross GATES at or above 4000FT.

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR

DUBKA A ARRIVAL DUBKA C ARRIVAL	RNP1

Note GNSS required.

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

LILAC

NOT TO SCALE

MHA 3000

1MIN(at or below FL140)
1.5MIN(above FL140)

NOT TO SCALE

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

DUBKA

MHA 8000

1MIN(at or below FL140)
1.5MIN(above FL140)

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR

DUBKA A ARRIVAL

From DUBKA, to LIKPO at or above 4000FT, to AVDOX at or above 4000FT.

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	IF	DUBKA	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	LIKPO	–	265 (257.3)	-8.1	14.7	–	+4000	–	–	RNP1
003	TF	AVDOX	–	329 (321.1)	-8.1	8.3	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	DUBKA	271 (262.6)	-8.1	1.0(-14000) 1.5(+14001)	L	8000	–	-230(-14000) -240(+14001)	RNP1

DUBKA C ARRIVAL

From DUBKA, to LIKPO at or above 4000FT, to TOMOH, to LILAC, to SAPEK, to MAYAH at or above 4000FT.

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	IF	DUBKA	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	LIKPO	–	265 (257.3)	-8.1	14.7	–	+4000	–	–	RNP1
003	TF	TOMOH	–	328 (320.4)	-8.1	9.0	–	–	–	–	RNP1
004	TF	LILAC	–	001 (352.6)	-8.1	10.4	–	–	–	–	RNP1
005	TF	SAPEK	–	058 (050.3)	-8.1	9.9	–	–	–	–	RNP1
006	TF	MAYAH	–	058 (050.3)	-8.1	4.5	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	DUBKA	271 (262.6)	-8.1	1.0(-14000) 1.5(+14001)	L	8000	–	-230(-14000) -240(+14001)	RNP1
Hold	LILAC	057 (049.0)	-8.1	1.0(-14000) 1.5(+14001)	R	3000	–	-230(-14000) -240(+14001)	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
DUBKA	*341309.4N / 1352433.9E*	LILAC	*342710.7N / 1345842.0E*
LIKPO	*340955.3N / 1350715.9E*	SAPEK	*343331.6N / 1350758.6E*
AVDOX	*341624.1N / 1350055.5E*	MAYAH	*343623.7N / 1351211.0E*
TOMOH	*341649.6N / 1350020.3E*		

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

CANDY A ARRIVAL / NIXOV A ARRIVAL
IGLEV A ARRIVAL / ATMUG A ARRIVAL

RNP1

Note GNSS required.

CHANGE : New PROC.

1MIN(at or below FL140)
1.5MIN(above FL140)
NOT TO SCALE
001°
181°
ATMUG
MHA 10000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

1MIN(at or below FL140)
1.5MIN(above FL140)
NOT TO SCALE
273°
093°
IGLEV
MHA 11000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

1MIN(at or below FL140)
1.5MIN(above FL140)
244°
064°
NIXOV
MHA 9000
NOT TO SCALE
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)
CANDY
MHA 9000
322°
142°
NOT TO SCALE
1MIN(at or below FL140)
1.5MIN(above FL140)

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

CANDY A ARRIVAL

From CANDY, to BERRY at or above 4000FT.

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	IF	CANDY	-	-	-8.1	-	-	-	-	-	RNP1
002	TF	BERRY	-	010 (001.7)	-8.1	22.6	-	+4000	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	CANDY	322 (314.0)	-8.1	1.0 (-14000) 1.5 (+14001)	L	9000	-	-230 (-14000) -240 (+14001)	RNP1

NIXOV A ARRIVAL

From NIXOV, to NALTO at or above 7000FT, to BERRY at or above 4000FT.

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	IF	NIXOV	-	-	-8.1	-	-	-	-	-	RNP1
002	TF	NALTO	-	030 (021.7)	-8.1	34.8	-	+7000	-	-	RNP1
003	TF	BERRY	-	069 (061.2)	-8.1	12.6	-	+4000	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	NIXOV	064 (055.4)	-8.1	1.0 (-14000) 1.5 (+14001)	L	9000	-	-230 (-14000) -240 (+14001)	RNP1

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

IGLEV A ARRIVAL

From IGLEV, to BIXIS, to NALTO at or above 7000FT, to BERRY at or above 4000FT.

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	IF	IGLEV	-	-	-8.1	-	-	-	-	-	RNP1
002	TF	BIXIS	-	093 (085.3)	-8.1	11.2	-	-	-	-	RNP1
003	TF	NALTO	-	089 (080.7)	-8.1	25.3	-	+7000	-	-	RNP1
004	TF	BERRY	-	069 (061.2)	-8.1	12.6	-	+4000	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	IGLEV	093 (085.2)	-8.1	1.0 (-14000) 1.5 (+14001)	L	11000	-	-230 (-14000) -240 (+14001)	RNP1

ATMUG A ARRIVAL

From ATMUG, to SAKVA, to ATVID at or above 4000FT.

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	IF	ATMUG	-	-	-8.1	-	-	-	-	-	RNP1
002	TF	SAKVA	-	119 (110.7)	-8.1	31.6	-	-	-	-	RNP1
003	TF	ATVID	-	119 (111.1)	-8.1	11.2	-	+4000	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	ATMUG	181 (172.5)	-8.1	1.0 (-14000) 1.5 (+14001)	R	10000	-	-230 (-14000) -240 (+14001)	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
CANDY	*335229.8N / 1345541.8E*	ATMUG	*343330.0N / 1340737.4E*
NIXOV	*333644.5N / 1342743.1E*	SAKVA	*342213.8N / 1344325.4E*
IGLEV	*340405.2N / 1335940.5E*	ATVID	*341811.4N / 1345605.1E*
BIXIS	*340459.0N / 1341305.7E*		
NALTO	*340900.6N / 1344313.3E*		
BERRY	*341502.0N / 1345631.6E*		

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL — RNAV STAR RWY06L/06R

DUBKA B ARRIVAL / EVERT B ARRIVAL / NIXOV B ARRIVAL	RNP1

Note GNSS required.

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

DUBKA B ARRIVAL

From DUBKA, to LIKPO, to BOTRA, to BIKLO at 10000FT, to BB650, to BB651, to BB652, to APORA at 10000FT, to NALTO at or above 7000FT, to BERRY at or above 4000FT.

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	IF	DUBKA	-	-	-8.1	-	-	-	-	-	RNP1
002	TF	LIKPO	-	265 (257.3)	-8.1	14.7	-	-	-	-	RNP1
003	TF	BOTRA	-	219 (211.2)	-8.1	29.6	-	-	-	-	RNP1
004	TF	BIKLO	-	278 (269.7)	-8.1	11.4	-	10000	230	-	RNP1
005	TF	BB650	-	344 (335.5)	-8.1	8.6	-	-	-	-	RNP1
006	TF	BB651	-	321 (313.0)	-8.1	7.6	-	-	-	-	RNP1
007	TF	BB652	-	343 (335.4)	-8.1	7.6	-	-	-	-	RNP1
008	TF	APORA	-	006 (357.7)	-8.1	7.6	-	10000	230	-	RNP1
009	TF	NALTO	-	107 (099.0)	-8.1	19.5	-	+7000	-	-	RNP1
010	TF	BERRY	-	069 (061.2)	-8.1	12.6	-	+4000	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	DUBKA	271 (262.6)	-8.1	1.0 (-14000) 1.5 (+14001)	L	10000	-	-230 (-14000) -240 (+14001)	RNP1
Hold	BOTRA	278 (269.8)	-8.1	1.0 (-14000) 1.5 (+14001)	L	10000	-	-230 (-14000) -240 (+14001)	RNP1

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

EVERT B ARRIVAL

From EVERT, to BOTRA, to BIKLO at 10000FT, to BB650, to BB651, to BB652, to APORA at 10000FT, to NALTO at or above 7000FT, to BERRY at or above 4000FT.

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	IF	EVERT	-	-	-8.1	-	-	-	-	-	RNP1
002	TF	BOTRA	-	296 (288.3)	-8.1	16.8	-	-	-	-	RNP1
003	TF	BIKLO	-	278 (269.7)	-8.1	11.4	-	10000	230	-	RNP1
004	TF	BB650	-	344 (335.5)	-8.1	8.6	-	-	-	-	RNP1
005	TF	BB651	-	321 (313.0)	-8.1	7.6	-	-	-	-	RNP1
006	TF	BB652	-	343 (335.4)	-8.1	7.6	-	-	-	-	RNP1
007	TF	APORA	-	006 (357.7)	-8.1	7.6	-	10000	230	-	RNP1
008	TF	NALTO	-	107 (099.0)	-8.1	19.5	-	+7000	-	-	RNP1
009	TF	BERRY	-	069 (061.2)	-8.1	12.6	-	+4000	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	BOTRA	278 (269.8)	-8.1	1.0 (-14000) 1.5 (+14001)	L	10000	-	-230 (-14000) -240 (+14001)	RNP1

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

NIXOV B ARRIVAL

From NIXOV, to BIKLO at 10000FT, to BB650, to BB651, to BB652, to APORA at 10000FT, to NALTO at or above 7000FT, to BERRY at or above 4000FT.

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	IF	NIXOV	-	-	-8.1	-	-	-	-	-	RNP1
002	TF	BIKLO	-	047 (038.5)	-8.1	10.0	-	10000	230	-	RNP1
003	TF	BB650	-	344 (335.5)	-8.1	8.6	-	-	-	-	RNP1
004	TF	BB651	-	321 (313.0)	-8.1	7.6	-	-	-	-	RNP1
005	TF	BB652	-	343 (335.4)	-8.1	7.6	-	-	-	-	RNP1
006	TF	APORA	-	006 (357.7)	-8.1	7.6	-	10000	230	-	RNP1
007	TF	NALTO	-	107 (099.0)	-8.1	19.5	-	+7000	-	-	RNP1
008	TF	BERRY	-	069 (061.2)	-8.1	12.6	-	+4000	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	NIXOV	064 (055.4)	-8.1	1.0 (-14000) 1.5 (+14001)	L	10000	-	-230 (-14000) -240 (+14001)	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
DUBKA	*341309.4N / 1352433.9E*	BB650	*335222.2N / 1343055.0E*
LIKPO	*340955.3N / 1350715.9E*	BB651	*335732.9N / 1342412.3E*
EVERT	*333925.1N / 1350759.1E*	BB652	*340428.4N / 1342022.2E*
BOTRA	*334438.7N / 1344851.0E*	APORA	*341205.5N / 1342000.2E*
NIXOV	*333644.5N / 1342743.1E*	NALTO	*340900.6N / 1344313.3E*
BIKLO	*334434.0N / 1343512.4E*	BERRY	*341502.0N / 1345631.6E*

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

IGLEV B ARRIVAL
ATMUG B ARRIVAL

RNP1

Note GNSS required.

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

IGLEV B ARRIVAL

From IGLEV, to BIXIS at 12000FT, to BB653, to BB654, to BB655, to IGDIN at 12000FT, to NALTO at or above 7000FT, to BERRY at or above 4000FT.

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	IF	IGLEV	-	-	-8.1	-	-	-	-	-	RNP1
002	TF	BIXIS	-	093 (085.3)	-8.1	11.2	-	12000	230	-	RNP1
003	TF	BB653	-	097 (088.7)	-8.1	8.9	-	-	-	-	RNP1
004	TF	BB654	-	163 (155.4)	-8.1	6.5	-	-	-	-	RNP1
005	TF	BB655	-	141 (132.9)	-8.1	6.4	-	-	-	-	RNP1
006	TF	IGDIN	-	119 (110.4)	-8.1	6.4	-	12000	230	-	RNP1
007	TF	NALTO	-	017 (009.1)	-8.1	16.5	-	+7000	-	-	RNP1
008	TF	BERRY	-	069 (061.2)	-8.1	12.6	-	+4000	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	IGLEV	093 (085.2)	-8.1	1.0 (-14000) 1.5 (+14001)	L	12000	-	-230 (-14000) -240 (+14001)	RNP1

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL RNAV STAR RWY06L/06R

ATMUG B ARRIVAL

From ATMUG, to BIXUR at 11000FT, to BB656, to BB657, to BB658, to BB659, to ISNES at 11000FT, to NALTO at or above 7000FT, to BERRY at or above 4000FT.

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	IF	ATMUG	-	-	-8.1	-	-	-	-	-	RNP1
002	TF	BIXUR	-	158 (149.4)	-8.1	15.6	-	11000	230	-	RNP1
003	TF	BB656	-	163 (155.3)	-8.1	9.1	-	-	-	-	RNP1
004	TF	BB657	-	186 (177.7)	-8.1	7.0	-	-	-	-	RNP1
005	TF	BB658	-	163 (155.3)	-8.1	7.0	-	-	-	-	RNP1
006	TF	BB659	-	141 (132.9)	-8.1	7.0	-	-	-	-	RNP1
007	TF	ISNES	-	119 (110.4)	-8.1	7.0	-	11000	230	-	RNP1
008	TF	NALTO	-	017 (009.1)	-8.1	18.0	-	+7000	-	-	RNP1
009	TF	BERRY	-	069 (061.2)	-8.1	12.6	-	+4000	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	BIXUR	158 (149.5)	-8.1	1.0 (-14000) 1.5 (+14001)	R	11000	-	-230 (-14000) -240 (+14001)	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
IGLEV	*340405.2N / 1335940.5E*	BB656	*341151.4N / 1342147.5E*
BIXIS	*340459.0N / 1341305.7E*	BB657	*340449.4N / 1342207.5E*
BB653	*340510.5N / 1342352.9E*	BB658	*335825.9N / 1342539.9E*
BB654	*335918.9N / 1342707.5E*	BB659	*335339.0N / 1343151.6E*
BB655	*335455.8N / 1343248.3E*	ISNES	*335112.0N / 1343946.3E*
IGDIN	*335241.1N / 1344003.5E*	NALTO	*340900.6N / 1344313.3E*
ATMUG	*343330.0N / 1340737.4E*	BERRY	*341502.0N / 1345631.6E*
BIXUR	*342006.7N / 1341711.9E*		

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

CANDY C ARRIVAL / NIXOV C ARRIVAL IGLEV C ARRIVAL / ATMUG C ARRIVAL	RNP1

Note GNSS required.

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

CANDY C ARRIVAL

From CANDY, to TOMOH, to LILAC, to SAPEK, to MAYAH at or above 4000FT.

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	IF	CANDY	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	TOMOH	–	017 (009.0)	-8.1	24.6	–	–	–	–	RNP1
003	TF	LILAC	–	001 (352.6)	-8.1	10.4	–	–	–	–	RNP1
004	TF	SAPEK	–	058 (050.3)	-8.1	9.9	–	–	–	–	RNP1
005	TF	MAYAH	–	058 (050.3)	-8.1	4.5	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	CANDY	322 (314.0)	-8.1	1.0(-14000) 1.5(+14001)	L	9000	–	-230(-14000) -240(+14001)	RNP1
Hold	LILAC	057 (049.0)	-8.1	1.0(-14000) 1.5(+14001)	R	3000	–	-230(-14000) -240(+14001)	RNP1

NIXOV C ARRIVAL

From NIXOV, to NOBUN at or above 8000FT, to AWAJI, to LILAC, to SAPEK, to MAYAH at or above 4000FT.

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	IF	NIXOV	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	NOBUN	–	018 (010.4)	-8.1	34.9	–	+8000	–	–	RNP1
003	TF	AWAJI	–	058 (050.0)	-8.1	8.1	–	–	–	–	RNP1
004	TF	LILAC	–	058 (050.1)	-8.1	17.1	–	–	–	–	RNP1
005	TF	SAPEK	–	058 (050.3)	-8.1	9.9	–	–	–	–	RNP1
006	TF	MAYAH	–	058 (050.3)	-8.1	4.5	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	NIXOV	064 (055.4)	-8.1	1.0(-14000) 1.5(+14001)	L	9000	–	-230(-14000) -240(+14001)	RNP1
Hold	LILAC	057 (049.0)	-8.1	1.0(-14000) 1.5(+14001)	R	3000	–	-230(-14000) -240(+14001)	RNP1

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

IGLEV C ARRIVAL

From IGLEV, to BIXIS, to NIRIP at or above 6000FT, to OBMEL, to RUSIM, to MAYAH at or above 4000FT.

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	IF	IGLEV	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	BIXIS	–	093 (085.3)	-8.1	11.2	–	–	–	–	RNP1
003	TF	NIRIP	–	063 (054.5)	-8.1	17.3	–	+6000	–	–	RNP1
004	TF	OBMEL	–	053 (045.0)	-8.1	24.5	–	–	–	–	RNP1
005	TF	RUSIM	–	085 (076.6)	-8.1	4.3	–	–	–	–	RNP1
006	TF	MAYAH	–	085 (076.6)	-8.1	13.4	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	IGLEV	093 (085.2)	-8.1	1.0(-14000) 1.5(+14001)	L	11000	–	-230(-14000) -240(+14001)	RNP1

ATMUG C ARRIVAL

From ATMUG, to AVMIT, to SASVO, to MAIKO, to MAYAH at or above 4000FT.

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	IF	ATMUG	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	AVMIT	–	145 (136.7)	-8.1	16.7	–	–	–	–	RNP1
003	TF	SASVO	–	065 (056.6)	-8.1	28.3	–	–	–	–	RNP1
004	TF	MAIKO	–	099 (091.3)	-8.1	8.0	–	–	–	–	RNP1
005	TF	MAYAH	–	100 (091.4)	-8.1	10.2	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	ATMUG	181 (172.5)	-8.1	1.0(-14000) 1.5(+14001)	R	10000	–	-230(-14000) -240(+14001)	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
CANDY	*335229.8N / 1345541.8E*	NIRIP	*341501.5N / 1343009.3E*
TOMOH	*341649.6N / 1350020.3E*	OBMEL	*343218.2N / 1345112.1E*
NIXOV	*333644.5N / 1342743.1E*	RUSIM	*343318.4N / 1345618.9E*
NOBUN	*341102.6N / 1343518.0E*	ATMUG	*343330.0N / 1340737.4E*
AWAJI	*341613.1N / 1344246.6E*	AVMIT	*342122.5N / 1342128.3E*
LILAC	*342710.7N / 1345842.0E*	SASVO	*343651.4N / 1345007.5E*
SAPEK	*343331.6N / 1350758.6E*	MAIKO	*343639.7N / 1345949.1E*
IGLEV	*340405.2N / 1335940.5E*	MAYAH	*343623.7N / 1351211.0E*
BIXIS	*340459.0N / 1341305.7E*		

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

DUBKA M ARRIVAL / EVERT M ARRIVAL / NIXOV M ARRIVAL	RNP1

Note GNSS required.

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL RNAV STAR RWY24L/24R

DUBKA M ARRIVAL

From DUBKA, to LIKPO, to MOVNI, to MADIP at 10000FT, to BB460, to BB461, to BB462, to BB463, to MUGLA at 10000FT, to NOBUN at or above 8000FT, to AWAJI, to LILAC, to SAPEK, to MAYAH at or above 4000FT.

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	IF	DUBKA	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	LIKPO	–	265 (275.3)	-8.1	14.7	–	–	–	–	RNP1
003	TF	MOVNI	–	217 (209.3)	-8.1	26.9	–	–	–	–	RNP1
004	TF	MADIP	–	278 (269.7)	-8.1	11.7	–	10000	230	–	RNP1
005	TF	BB460	–	335 (326.6)	-8.1	6.3	–	–	–	–	RNP1
006	TF	BB461	–	295 (286.5)	-8.1	7.6	–	–	–	–	RNP1
007	TF	BB462	–	317 (308.9)	-8.1	7.6	–	–	–	–	RNP1
008	TF	BB463	–	339 (331.4)	-8.1	7.6	–	–	–	–	RNP1
009	TF	MUGLA	–	002 (353.7)	-8.1	7.6	–	10000	230	–	RNP1
010	TF	NOBUN	–	103 (095.0)	-8.1	19.5	–	+8000	–	–	RNP1
011	TF	AWAJI	–	058 (050.0)	-8.1	8.1	–	–	–	–	RNP1
012	TF	LILAC	–	058 (050.1)	-8.1	17.1	–	–	–	–	RNP1
013	TF	SAPEK	–	058 (050.3)	-8.1	9.9	–	–	–	–	RNP1
014	TF	MAYAH	–	058 (050.3)	-8.1	4.5	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	DUBKA	271 (262.6)	-8.1	1.0(-14000) 1.5(+14001)	L	10000	–	-230(-14000) -240(+14001)	RNP1
Hold	MOVNI	278 (269.8)	-8.1	1.0(-14000) 1.5(+14001)	L	10000	–	-230(-14000) -240(+14001)	RNP1

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

EVERT M ARRIVAL

From EVERT, to MOVNI, to MADIP at 10000FT, to BB460, to BB461, to BB462, to BB463, to MUGLA at 10000FT, to NOBUN at or above 8000FT, to AWAJI, to LILAC, to SAPEK, to MAYAH at or above 4000FT.

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	IF	EVERT	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	MOVNI	–	305 (297.0)	-8.1	15.5	–	–	–	–	RNP1
003	TF	MADIP	–	278 (269.7)	-8.1	11.7	–	10000	230	–	RNP1
004	TF	BB460	–	335 (326.6)	-8.1	6.3	–	–	–	–	RNP1
005	TF	BB461	–	295 (286.5)	-8.1	7.6	–	–	–	–	RNP1
006	TF	BB462	–	317 (308.9)	-8.1	7.6	–	–	–	–	RNP1
007	TF	BB463	–	339 (331.4)	-8.1	7.6	–	–	–	–	RNP1
008	TF	MUGLA	–	002 (353.7)	-8.1	7.6	–	10000	230	–	RNP1
009	TF	NOBUN	–	103 (095.0)	-8.1	19.5	–	+8000	–	–	RNP1
010	TF	AWAJI	–	058 (050.0)	-8.1	8.1	–	–	–	–	RNP1
011	TF	LILAC	–	058 (050.1)	-8.1	17.1	–	–	–	–	RNP1
012	TF	SAPEK	–	058 (050.3)	-8.1	9.9	–	–	–	–	RNP1
013	TF	MAYAH	–	058 (050.3)	-8.1	4.5	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	MOVNI	278 (269.8)	-8.1	1.0(-14000) 1.5(+14001)	L	10000	–	-230(-14000) -240(+14001)	RNP1

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

NIXOV M ARRIVAL

From NIXOV, to MADIP at 10000FT, to BB460, to BB461, to BB462, to BB463, to MUGLA at 10000FT, to NOBUN at or above 8000FT, to AWAJI, to LILAC, to SAPEK, MAYAH at or above 4000FT.

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	IF	NIXOV	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	MADIP	–	048 (039.8)	-8.1	12.5	–	10000	230	–	RNP1
003	TF	BB460	–	335 (326.6)	-8.1	6.3	–	–	–	–	RNP1
004	TF	BB461	–	295 (286.5)	-8.1	7.6	–	–	–	–	RNP1
005	TF	BB462	–	317 (308.9)	-8.1	7.6	–	–	–	–	RNP1
006	TF	BB463	–	339 (331.4)	-8.1	7.6	–	–	–	–	RNP1
007	TF	MUGLA	–	002 (353.7)	-8.1	7.6	–	10000	230	–	RNP1
008	TF	NOBUN	–	103 (095.0)	-8.1	19.5	–	+8000		–	RNP1
009	TF	AWAJI	–	058 (050.0)	-8.1	8.1	–	–	–	–	RNP1
010	TF	LILAC	–	058 (050.1)	-8.1	17.1	–	–	–	–	RNP1
011	TF	SAPEK	–	058 (050.3)	-8.1	9.9	–	–	–	–	RNP1
012	TF	MAYAH	–	058 (050.3)	-8.1	4.5	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	NIXOV	064 (055.4)	-8.1	1.0(-14000) 1.5(+14001)	L	10000	–	-230(-14000) -240(+14001)	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
DUBKA	*341309.4N / 1352433.9E*	BB462	*335830.2N / 1341717.3E*
LIKPO	*340955.3N / 1350715.9E*	BB463	*340511.2N / 1341252.8E*
EVERT	*333925.1N / 1350759.1E*	MUGLA	*341245.9N / 1341152.4E*
MOVNI	*334625.2N / 1345125.1E*	NOBUN	*341102.6N / 1343518.0E*
NIXOV	*333644.5N / 1342743.1E*	AWAJI	*341613.1N / 1344246.6E*
MADIP	*334620.7N / 1343721.4E*	LILAC	*342710.7N / 1345842.0E*
BB460	*335134.8N / 1343311.5E*	SAPEK	*343331.6N / 1350758.6E*
BB461	*335343.6N / 1342425.2E*	MAYAH	*343623.7N / 1351211.0E*

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

IGLEV M ARRIVAL ATMUG M ARRIVAL	RNP1

Note GNSS required.

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

IGLEV M ARRIVAL

From IGLEV, to MIDUX at 12000FT, to BB464, to BB465, to BB466, to SUPOL at 12000FT, to NOBUN at or above 8000FT, to AWAJI, to LILAC, to SAPEK, to MAYAH at or above 4000FT.

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	IF	IGLEV	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	MIDUX	–	093 (085.3)	-8.1	5.0	–	12000	230	–	RNP1
003	TF	BB464	–	088 (079.7)	-8.1	9.0	–	–	–	–	RNP1
004	TF	BB465	–	159 (151.3)	-8.1	6.4	–	–	–	–	RNP1
005	TF	BB466	–	137 (128.9)	-8.1	6.4	–	–	–	–	RNP1
006	TF	SUPOL	–	115 (106.4)	-8.1	6.4	–	12000	230	–	RNP1
007	TF	NOBUN	–	013 (005.1)	-8.1	16.5	–	+8000	–	–	RNP1
008	TF	AWAJI	–	058 (050.0)	-8.1	8.1	–	–	–	–	RNP1
009	TF	LILAC	–	058 (050.1)	-8.1	17.1	–	–	–	–	RNP1
010	TF	SAPEK	–	058 (050.3)	-8.1	9.9	–	–	–	–	RNP1
011	TF	MAYAH	–	058 (050.3)	-8.1	4.5	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	IGLEV	093 (085.2)	-8.1	1.0(-14000) 1.5(+14001)	L	12000	–	-230(-14000) -240(+14001)	RNP1

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

ATMUG M ARRIVAL

From ATMUG, to MINOS at 11000FT, to BB467, to BB468, to BB469, to BB470, to DUMES at 11000FT, to NOBUN at or above 8000FT, to AWAJI, to LILAC, to SAPEK, to MAYAH at or above 4000FT.

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	IF	ATMUG	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	MINOS	–	175 (166.5)	-8.1	12.0	–	11000	230	–	RNP1
003	TF	BB467	–	175 (166.5)	-8.1	9.4	–	–	–	–	RNP1
004	TF	BB468	–	182 (173.7)	-8.1	7.0	–	–	–	–	RNP1
005	TF	BB469	–	159 (151.3)	-8.1	7.0	–	–	–	–	RNP1
006	TF	BB470	–	137 (128.9)	-8.1	7.0	–	–	–	–	RNP1
007	TF	DUMES	–	115 (106.4)	-8.1	7.0	–	11000	230	–	RNP1
008	TF	NOBUN	–	013 (005.1)	-8.1	18.1	–	+8000	–	–	RNP1
009	TF	AWAJI	–	058 (050.0)	-8.1	8.1	–	–	–	–	RNP1
010	TF	LILAC	–	058 (050.1)	-8.1	17.1	–	–	–	–	RNP1
011	TF	SAPEK	–	058 (050.3)	-8.1	9.9	–	–	–	–	RNP1
012	TF	MAYAH	–	058 (050.3)	-8.1	4.5	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	MINOS	175 (166.5)	-8.1	1.0(-14000) 1.5(+14001)	R	11000	–	-230(-14000) -240(+14001)	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
IGLEV	*340405.2N / 1335940.5E*	BB468	*340538.4N / 1341436.2E*
MIDUX	*340429.4N / 1340540.6E*	BB469	*335928.2N / 1341840.3E*
BB464	*340605.5N / 1341619.6E*	BB470	*335503.6N / 1342515.3E*
BB465	*340026.1N / 1342003.2E*	DUMES	*335304.7N / 1343321.2E*
BB466	*335623.6N / 1342605.4E*	NOBUN	*341102.6N / 1343518.0E*
SUPOL	*335434.5N / 1343330.9E*	AWAJI	*341613.1N / 1344246.6E*
ATMUG	*343330.0N / 1340737.4E*	LILAC	*342710.7N / 1345842.0E*
MINOS	*342149.0N / 1341101.2E*	SAPEK	*343331.6N / 1350758.6E*
BB467	*341238.1N / 1341340.6E*	MAYAH	*343623.7N / 1351211.0E*

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

CANDY D ARRIVAL / NIXOV D ARRIVAL IGLEV D ARRIVAL / ATMUG D ARRIVAL	RNP1

Note GNSS required.

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

1MIN(at or below FL140)
1.5MIN(above FL140)

1MIN(at or below FL140)
1.5MIN(above FL140)

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

1MIN(at or below FL140)
1.5MIN(above FL140)

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

MHA 6000
NOT TO SCALE

1MIN(at or below FL140)
1.5MIN(above FL140)

1MIN(at or below FL140)
1.5MIN(above FL140)

NIXOV
MHA 9000
NOT TO SCALE

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

CANDY D ARRIVAL

From CANDY, to TOMOH, to NIPUG, to MAYAH at or above 4000FT.

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	IF	CANDY	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	TOMOH	–	017 (009.0)	-8.1	24.6	–	–	–	–	RNP1
003	TF	NIPUG	–	024 (016.2)	-8.1	8.1	–	–	–	–	RNP1
004	TF	MAYAH	–	041 (032.4)	-8.1	14.0	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	CANDY	322 (314.0)	-8.1	1.0(-14000) 1.5(+14001)	L	9000	–	-230(-14000) -240(+14001)	RNP1

NIXOV D ARRIVAL

From NIXOV, to OLTIG at or above 7000FT, to ASAMI at or above 6000FT, to OLKIL, to TOMOH, to NIPUG, to MAYAH at or above 4000FT.

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	IF	NIXOV	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	OLTIG	–	037 (029.1)	-8.1	25.9	–	+7000	–	–	RNP1
003	TF	ASAMI	–	037 (029.2)	-8.1	9.9	–	+6000	–	–	RNP1
004	TF	OLKIL	–	058 (049.9)	-8.1	4.5	–	–	–	–	RNP1
005	TF	TOMOH	–	054 (046.0)	-8.1	8.6	–	–	–	–	RNP1
006	TF	NIPUG	–	024 (016.2)	-8.1	8.1	–	–	–	–	RNP1
007	TF	MAYAH	–	041 (032.4)	-8.1	14.0	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	NIXOV	064 (055.4)	-8.1	1.0(-14000) 1.5(+14001)	L	9000	–	-230(-14000) -240(+14001)	RNP1
Hold	ASAMI	059 (050.5)	-8.1	1.0(-14000) 1.5(+14001)	R	6000	–	-230(-14000) -240(+14001)	RNP1

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL — RNAV STAR RWY24L/24R

IGLEV D ARRIVAL

From IGLEV, to BIXIS, to ASAMI at or above 6000FT, to OLKIL, to TOMOH, to NIPUG, to MAYAH at or above 4000FT.

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	IF	IGLEV	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	BIXIS	–	093 (085.3)	-8.1	11.2	–	–	–	–	RNP1
003	TF	ASAMI	–	092 (084.1)	-8.1	29.6	–	+6000	–	–	RNP1
004	TF	OLKIL	–	058 (049.9)	-8.1	4.5	–	–	–	–	RNP1
005	TF	TOMOH	–	054 (046.0)	-8.1	8.6	–	–	–	–	RNP1
006	TF	NIPUG	–	024 (016.2)	-8.1	8.1	–	–	–	–	RNP1
007	TF	MAYAH	–	041 (032.4)	-8.1	14.0	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	IGLEV	093 (085.2)	-8.1	1.0(-14000) 1.5(+14001)	L	11000	–	-230(-14000) -240(+14001)	RNP1
Hold	ASAMI	059 (050.5)	-8.1	1.0(-14000) 1.5(+14001)	R	6000	–	-230(-14000) -240(+14001)	RNP1

ATMUG D ARRIVAL

From ATMUG, to TANTA, to NALTO, to ASAMI at or above 6000FT, to OLKIL, to TOMOH, to NIPUG, to MAYAH at or above 4000FT.

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	IF	ATMUG	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	TANTA	–	145 (136.7)	-8.1	23.9	–	–	–	–	RNP1
003	TF	NALTO	–	127 (118.4)	-8.1	14.8	–	–	–	–	RNP1
004	TF	ASAMI	–	111 (103.0)	-8.1	4.7	–	+6000	–	–	RNP1
005	TF	OLKIL	–	058 (049.9)	-8.1	4.5	–	–	–	–	RNP1
006	TF	TOMOH	–	054 (046.0)	-8.1	8.6	–	–	–	–	RNP1
007	TF	NIPUG	–	024 (016.2)	-8.1	8.1	–	–	–	–	RNP1
008	TF	MAYAH	–	041 (032.4)	-8.1	14.0	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	ATMUG	181 (172.5)	-8.1	1.0(-14000) 1.5(+14001)	R	10000	–	-230(-14000) -240(+14001)	RNP1
Hold	ASAMI	059 (050.5)	-8.1	1.0(-14000) 1.5(+14001)	R	6000	–	-230(-14000) -240(+14001)	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
CANDY	*335229.8N / 1345541.8E*	NALTO	*340900.6N / 1344313.3E*
NIXOV	*333644.5N / 1342743.1E*	ASAMI	*340757.9N / 1344841.8E*
OLTIG	*335922.2N / 1344253.6E*	OLKIL	*341051.4N / 1345251.0E*
IGLEV	*340405.2N / 1335940.5E*	TOMOH	*341649.6N / 1350020.3E*
BIXIS	*340459.0N / 1341305.7E*	NIPUG	*342434.7N / 1350304.1E*
ATMUG	*343330.0N / 1340737.4E*	MAYAH	*343623.7N / 1351211.0E*
TANTA	*341604.9N / 1342729.2E*		

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

CANDY E ARRIVAL / NIXOV E ARRIVAL IGLEV E ARRIVAL / ATMUG E ARRIVAL	RNP1

Note GNSS required.

VAR 8˚ W

1MIN(at or below FL140) 1.5MIN(above FL140) NOT TO SCALE 001˚ 181˚ ATMUG MHA 10000 MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)	1MIN(at or below FL140) 1.5MIN(above FL140) 273˚ NOT TO SCALE 093˚ IGLEV MHA 11000 MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)	1MIN(at or below FL140) 1.5MIN(above FL140) 244˚ 064˚ NIXOV MHA 9000 NOT TO SCALE MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)	MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) CANDY MHA 9000 322˚ 142˚ NOT TO SCALE 1MIN(at or below FL140) 1.5MIN(above FL140)

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL RNAV STAR RWY24L/24R

CANDY E ARRIVAL

From CANDY, to TANTA at or above 7000FT, to SASVO, to MAIKO, to MAYAH at or above 4000FT.

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	IF	CANDY	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	TANTA	–	324 (315.4)	-8.1	33.2	–	+7000	–	–	RNP1
003	TF	SASVO	–	050 (041.8)	-8.1	28.0	–	–	–	–	RNP1
004	TF	MAIKO	–	099 (091.3)	-8.1	8.0	–	–	–	–	RNP1
005	TF	MAYAH	–	100 (091.4)	-8.1	10.2	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	CANDY	322 (314.0)	-8.1	1.0(-14000) 1.5(+14001)	L	9000	–	-230(-14000) -240(+14001)	RNP1

NIXOV E ARRIVAL

From NIXOV, to TANTA at or above 7000FT, to SASVO, to MAIKO, to MAYAH at or above 4000FT.

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	IF	NIXOV	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	TANTA	–	008 (359.7)	-8.1	39.4	–	+7000	–	–	RNP1
003	TF	SASVO	–	050 (041.8)	-8.1	28.0	–	–	–	–	RNP1
004	TF	MAIKO	–	099 (091.3)	-8.1	8.0	–	–	–	–	RNP1
005	TF	MAYAH	–	100 (091.4)	-8.1	10.2	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	NIXOV	064 (055.4)	-8.1	1.0(-14000) 1.5(+14001)	L	9000	–	-230(-14000) -240(+14001)	RNP1

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

IGLEV E ARRIVAL

From IGLEV, to BIXIS, to TANTA at or above 7000FT, to SASVO, to MAIKO, to MAYAH at or above 4000FT.

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	IF	IGLEV	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	BIXIS	–	093 (085.3)	-8.1	11.2	–	–	–	–	RNP1
003	TF	TANTA	–	055 (046.9)	-8.1	16.3	–	+7000	–	–	RNP1
004	TF	SASVO	–	050 (041.8)	-8.1	28.0	–	–	–	–	RNP1
005	TF	MAIKO	–	099 (091.3)	-8.1	8.0	–	–	–	–	RNP1
006	TF	MAYAH	–	100 (091.4)	-8.1	10.2	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	IGLEV	093 (085.2)	-8.1	1.0(-14000) 1.5(+14001)	L	11000	–	-230(-14000) -240(+14001)	RNP1

ATMUG E ARRIVAL

From ATMUG, to TANTA at or above 7000FT, to SASVO, to MAIKO, to MAYAH at or above 4000FT.

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	IF	ATMUG	–	–	-8.1	–	–	–	–	–	RNP1
002	TF	TANTA	–	145 (136.7)	-8.1	23.9	–	+7000	–	–	RNP1
003	TF	SASVO	–	050 (041.8)	-8.1	28.0	–	–	–	–	RNP1
004	TF	MAIKO	–	099 (091.3)	-8.1	8.0	–	–	–	–	RNP1
005	TF	MAYAH	–	100 (091.4)	-8.1	10.2	–	+4000	–	–	RNP1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	ATMUG	181 (172.5)	-8.1	1.0(-14000) 1.5(+14001)	R	10000	–	-230(-14000) -240(+14001)	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
CANDY	*335229.8N / 1345541.8E*	TANTA	*341604.9N / 1342729.2E*
NIXOV	*333644.5N / 1342743.1E*	SASVO	*343651.4N / 1345007.5E*
IGLEV	*340405.2N / 1335940.5E*	MAIKO	*343639.7N / 1345949.1E*
BIXIS	*340459.0N / 1341305.7E*	MAYAH	*343623.7N / 1351211.0E*
ATMUG	*343330.0N / 1340737.4E*		

CHANGE : New PROC.

INSTRUMENT APPROACH CHART

CHANGE : AVDOX, ATVID, MIBIB, OGABA established. BURTN, PILIV abolished. PROC course. RNAV HLDG. MSA. Note added. ALT(3.0° APCH Path). Missed APCH PROC. DME to IKJ. NM to THR. Missed APCH climb gradient MNM. OCA(H).

RJBB / KANSAI INTL — ILS Z or LOC Z RWY06L (CAT Ⅱ)

KANSAI APP	ILS - LOC	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3	108.7 IKJ ILS-GP 330.5 ILS-DME CH-24X	118.2 - 118.05 126.2 - 236.8	ATIS 127.85

NM to IKJ	FAF	4	3	2	1	MAPt
ALT(3.0° APCH Path)	1300	1281	962	644	325	–

MISSED APPROACH

Turn left direct to LILAC and hold at 3000FT.
Contact KANSAI APP.

Timing not authorized for defining the MAPt.

Missed APCH climb gradient MNM 5 .0%

MINIMA — THR elev. 9 — AD elev. 17

CAT	CAT Ⅱ			CAT Ⅰ		LOC		CIRCLING	
	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	109 (100)	100	300	209 (200)	550	290 (281)	800	610 (593)	1600
B									
C									2400
D/DL							1200		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL — ILS Y or LOC Y RWY06L (CAT Ⅱ)

KANSAI APP	ILS - LOC	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3	108.7 IKJ ILS-GP 330.5 ILS-DME CH-24X	118.2 - 118.05 126.2 - 236.8	ATIS 127.85

NM to IKJ	FAF	12	11	10	9	8	7	6	5	4	3	2	1	MAPt
ALT(3.0° APCH Path)	4000	3829	3510	3192	2873	2555	2236	1918	1599	1281	962	644	325	–

MISSED APPROACH

Climb to 500FT on HDG059°, turn left HDG241° to intercept and proceed via KIE R286 to LILAC and hold at 3000FT. Contact KANSAI APP.

Timing not authorized for defining the MAPt.

Missed APCH climb gradient MNM 5 .0%

MINIMA THR elev. 9 AD elev. 17

CAT	CAT Ⅱ			CAT Ⅰ		LOC		CIRCLING	
	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	109 (100)	100	300	209 (200)	550	290 (281)	800	610 (593)	1600
B									
C									2400
D/DL							1200		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : Missed APCH climb gradient MNM added.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL — ILS Z or LOC Z RWY06R (CAT Ⅱ)

KANSAI APP	ILS - LOC	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3	108.1 IKD ILS-GP 334.7 ILS-DME CH-18X	118.2 - 118.05 126.2 - 236.8	ATIS 127.85

NM to IKD	FAF	4	3	2	MAPt
ALT(3.0˚ APCH Path)	1300	1273	954	635	–

MISSED APPROACH

Direct to AMBER, to B6R62, to B6R63 to MAIKO, to SASVO and hold at 4000FT. Contact KANSAI APP.

Timing not authorized for defining the MAPt.

Missed APCH climb gradient MNM 5 .0%

MINIMA THR elev. 5 AD elev. 17

CAT	CAT Ⅱ			CAT Ⅰ		LOC		CIRCLING	
	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	105 (100)	100	300	205 (200)	550	390 (385)	900	610 (593)	1600
B							1000		
C									2400
D/DL							1400		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : ATVID, MIBIB, OTBON, B6R62, B6R63, SASVO, NOLOP established. ALVIS abolished. PROC course. MSA. ALT(3.0° APCH Path). Missed APCH course. OCA(H). DME to IKD. Missed APCH climb gradient MNM added. NM to THR. Note added.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL — ILS Y or LOC Y RWY06R (CAT Ⅱ)

KANSAI APP	ILS - LOC	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3	108.1 IKD ILS-GP 334.7 ILS-DME CH-18X	118.2 - 118.05 126.2 - 236.8	ATIS 127.85

NM to IKD	FAF	9	8	7	6	5	4	3	2	MAPt
ALT(3.0° APCH Path)	3000	2865	2546	2228	1909	1591	1273	954	635	–

MISSED APPROACH

Direct to AMBER, to B6R62, to B6R63 to MAIKO, to SASVO and hold at 4000FT. Contact KANSAI APP.

Timing not authorized for defining the MAPt.

13.9	9.2	6.8	1.3	0.6	0.3	0.2	DME to IKD
13.7	9.0	6.6	1.1	0.5	0.1	0	NM to THR

Missed APCH climb gradient MNM 5 .0%

MINIMA THR elev. 5 AD elev. 17

CAT	CAT Ⅱ			CAT Ⅰ		LOC		CIRCLING	
	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	105 (100)	100	300	205 (200)	550	390 (385)	900	610 (593)	1600
B							1000		
C									2400
D/DL							1400		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : B6R62, B6R63, SASVO, AVDOX established. ALLAN abolished. PROC course. ALT(3.0° APCH Path). Note added. Missed APCH course. OCA(H). DME to IKD. NM to THR. Missed APCH climb gradient MNM added. MSA.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL — ILS X or LOC X RWY06R (CAT Ⅱ)

KANSAI APP	ILS - LOC	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3	108.1 IKD ILS-GP 334.7 ILS-DME CH-18X	118.2 - 118.05 126.2 - 236.8	ATIS 127.85

NM to IKD	FAF	12	11	10	9	8	7	6	5	4	3	2	MAPt
ALT(3.0° APCH Path)	4000	3820	3502	3183	2865	2546	2228	1909	1591	1273	954	635	–

MISSED APPROACH

Climb to 4000FT via HDG059° to KIE 5.4DME, turn left climb via KCE R167 to intercept and proceed via YOE R279 to MAIKO, via YOE R279 to SASVO and hold. Contact KANSAI APP.

Timing not authorized for defining the MAPt.

26.6	17.5	12.2	6.8	1.3	0.6	0.3	0.2	DME to IKD
26.4	17.4	12.0	6.6	1.1	0.5	0.1	0	NM to THR

Missed APCH climb gradient MNM 5 .0%

MINIMA THR elev. 5 AD elev. 17

CAT	CAT Ⅱ			CAT Ⅰ		LOC		CIRCLING	
	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	105 (100)	100	300	205 (200)	550	390 (385)	900	610 (593)	1600
B							1000		
C									2400
D/DL							1400		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : New PROC.

INSTRUMENT APPROACH CHART

CHANGE : ONEGU, OSNIT, OPARU established. BB450, BB451, BEIGE abolished. MSA. RNAV HLDG(GATES) established. Note added.
ALT restriction at MAYAH, ONEGU. PROC course. Missed APCH PROC. Missed APCH climb gradient MNM added.

RJBB / KANSAI INTL — ILS Z or LOC Z RWY24L (CAT Ⅱ)

KANSAI APP	ILS - LOC	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3	110.7 IKN ⠿:− ILS-GP 330.2 ILS-DME CH-44X	118.2 - 118.05 126.2 - 236.8	ATIS 127.85

NM to IKN	MAPt	2	3	FAF
ALT(3.0° APCH Path)	–	637	955	1200

MISSED APPROACH

Direct to B4L51, to TOMOH, to GATES and hold at 4000FT.
Contact KANSAI APP.

Timing not authorized for defining the MAPt.

DME to IKN	0.2	0.3	0.7	1.3	3.7	5.7
NM to THR	0	0.1	0.5	1.1	3.5	5.5

Missed APCH climb gradient MNM 5 .0%

MINIMA THR elev. 12 AD elev. 17

CAT	CAT Ⅱ			CAT Ⅰ		LOC		CIRCLING	
	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	112 (100)	100	300	212 (200)	550	390 (373)	900	610 (593)	1600
B							1000		
C									2400
D/DL							1400		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL — ILS Y or LOC Y RWY24L (CAT Ⅱ)

KANSAI APP	ILS - LOC	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3	110.7 IKN ILS-GP 330.2 ILS-DME CH-44X	118.2 - 118.05 126.2 - 236.8	ATIS 127.85

NM to IKN	MAPt	2	3	FAF
ALT(3.0˚ APCH Path)	–	637	955	1200

MISSED APPROACH
Climb on HDG238˚ to KIE 3.3DME, turn right to intercept and proceed via KIE R237 to TOMOH, turn left to intercept and proceed via KIE R236 to GATES and hold at 4000FT.
Contact KANSAI APP.

Timing not authorized for defining the MAPt.

DME to IKN	0.2	0.3	0.7	1.3	3.7	7.4	8.6	
NM to THR	0	0.1	0.5	1.1	3.5	7.2	8.4	

Missed APCH climb gradient MNM 5 .0%

MINIMA THR elev. 12 AD elev. 17

CAT	CAT Ⅱ			CAT Ⅰ		LOC		CIRCLING	
	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	112 (100)	100	300	212 (200)	550	390 (373)	900	610 (593)	1600
B							1000		
C									2400
D/DL							1400		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : ALT restriction at MAYAH, KIE R049. Missed APCH climb gradient MNM added.

INSTRUMENT APPROACH CHART

CHANGE : ONEGU, OSNIT, OPARU established. BB450, BB451, BEIGE abolished. PROC course. RNAV HLDG established(LILAC). MSA.
Note added. Missed APCH PROC. Missed APCH climb gradient MNM. ALT restriction at MAYAH, ONEGU.

RJBB / KANSAI INTL — ILS Z or LOC Z RWY24R (CAT Ⅱ)

KANSAI APP	ILS - LOC	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3	108.5 IKW ILS-GP 329.9 ILS-DME CH-22X	118.2 - 118.05 126.2 - 236.8	ATIS 127.85

MAYAH (IAF)	343623.7N 1351211.0E					
ONEGU	343614.2N 1352014.2E					
OSNIT	343611.2N 1352239.8E					
BB452	343344.3N 1352235.3E					
OPARU (IF)	343201.5N 1352147.5E					
LILAC (MAHF)	342710.7N 1345842.0E					

NM to IKW	MAPt	1	2	3	4	FAF
ALT(3.0° APCH Path)	–	328	647	966	1284	1600

MISSED APPROACH
Turn right direct to LILAC
and hold at 3000FT.
Contact KANSAI APP.

Timing not authorized for defining the MAPt.

DME to IKW	0.2	0.3	0.6	0.9	4.9	8.0
NM to THR	0	0.1	0.5	0.7	4.7	7.9

Missed APCH climb gradient MNM 5 .0%

MINIMA THR elev. 16 AD elev. 17

CAT	CAT Ⅱ			CAT Ⅰ		LOC		CIRCLING	
	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	116 (100)	100	300	216 (200)	550	300 (283)	800	610 (593)	1600
B									
C									2400
D/DL							1200		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL — ILS Y or LOC Y RWY24R (CAT Ⅱ)

KANSAI APP	ILS - LOC	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3	108.5 IKW ILS-GP 329.9 ILS-DME CH-22X	118.2 - 118.05 126.2 - 236.8	ATIS 127.85

EQPT REQUIRED
DME
VOR

NM to IKW	MAPt	1	2	3	4	FAF
ALT(3.0° APCH Path)	–	328	647	966	1284	1600

MISSED APPROACH
Turn right, climb to 3000FT,
via KIE R286 to LILAC
and hold.
Contact KANSAI APP.

Timing not authorized for defining the MAPt.

DME to IKW	0.2	0.3	0.6	0.9	4.9	8.8
NM to THR	0	0.1	0.5	0.7	4.7	8.6

Missed APCH climb gradient MNM 5 .0%

MINIMA THR elev. 16 AD elev. 17

CAT	CAT Ⅱ			CAT Ⅰ		LOC		CIRCLING	
	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	116 (100)	100	300	216 (200)	550	300 (283)	800	610 (593)	1600
B									
C									2400
D/DL							1200		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : ALT restriction at MAYAH, KIE R049. Missed APCH climb gradient MNM added.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL — VOR RWY06L

KANSAI APP	KANSAI VOR/DME	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3	111.6 KIE CH-53X *34°25′33″N/135°12′28″E*	118.2 - 118.05 126.2 - 236.8	ATIS 127.85

HOSTA (FAF) : *342318.20N/1350758.47E*

NM to KIE	FAF	4	3	2	MAPt
ALT(3.0° APCH Path)	1450	1343	1025	707	-

MISSED APPROACH

Turn left HDG241° to intercept and proceed via KIE R286 to LILAC and hold at 3000FT.

Contact KANSAI APP.

Timing not authorized for defining the MAPt.

Missed APCH climb gradient MNM 5 .0%

MINIMA THR elev. 9 AD elev. 17

CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	450 (441)	900	610 (593)	1600
B		1000		
C				2400
D		1400		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : Missed APCH climb gradient MNM added.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL — VOR RWY24R

KANSAI APP	KANSAI VOR/DME	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3	111.6 KIE CH-53X *34°25′33″N/135°12′28″E*	118.2 - 118.05 126.2 - 236.8	ATIS 127.85

	NM to KIE	MAPt	4	5	FAF
	ALT(3.0° APCH Path)	-	635	953	1218

MISSED APPROACH

Turn right, climb to 3000FT, via KIE R286 to LILAC and hold .

Contact KANSAI APP.

Timing not authorized for defining the MAPt.

DME to KIE	2.2	3.5	5.8	10.9	
NM to THR	0	1.3	3.6	8.6	

Missed APCH climb gradient MNM 5 .0%

MINIMA THR elev. 16 AD elev. 17

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	470 (453)	1000	610 (593)	1600
B		1200		
C				2400
D		1600		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : ALT restriction at MAYAH, KIE R049. Missed APCH climb gradient MNM added.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL — RNP RWY06L

KANSAI APP	RNP APCH	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3		118.2 - 118.05 126.2 - 236.8	ATIS 127.85

NM to Next Fix	FAF	3	2	1	MAPt
ALT (3.0°APCH Path)	1300	1178	859	541	-

MISSED APPROACH

Turn left direct to LILAC and hold at 3000FT.
Contact KANSAI APP.

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 9 AD elev. 17

CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	300(291)	800	300(291)	800	610(593)	1600
B						
C						2400
D		1200		1200		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : AVDOX, ATVID, MIBIB, NITAD established. B6L51, JOLLY abolished. PROC course. ALT(3.0°APCH Path).
Missed APCH PROC. OCA(H). ALT restriction at MIBIB, NITAD. NM to THR.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

RNP Z RWY06R

KANSAI APP	RNP APCH	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3		118.2 - 118.05 126.2 - 236.8	ATIS 127.85

Baro-VNAV not authorized below -5°C

BERRY (IAF)	341501.96N 1345631.59E
ATVID (IAF)	341811.40N 1345605.10E
MIBIB	341952.42N 1350341.54E
OTBON (IF)	342039.18N 1350713.68E
ELPIK (FAF)	342235.08N 1351005.91E
B6R51 (MAPt)	342429.79N 1351256.60E
AMBER (MATF)	342942.20N 1352042.65E
B6R62	343230.52N 1352200.97E
B6R63	343611.91N 1352208.18E
MAIKO	343639.73N 1345949.06E
SASVO (MAHF)	343651.39N 1345007.45E

NM to Next Fix	FAF	3	2	1	MAPt
ALT (3.0°APCH Path)	1300	1290	972	653	-

MISSED APPROACH

Direct to AMBER, to B6R62, to B6R63, to MAIKO, to SASVO and hold at 4000FT. Contact KANSAI APP.

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 5 AD elev. 17

CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	340(335)	900	340(335)	900	610(593)	1600
B		1000		1000		
C						2400
D		1400		1400		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : ATVID, MIBIB, OTBON, ELPIK, B6R62, B6R63, SASVO established. JOLLY, B6R50, B6R53 abolished. PROC renamed. PROC course. ALT(3.0°APCH Path). ALT restriction at OTBON, ELPIK. OCA(H). Missed APCH PROC. NM to THR. Missed APCH climb gradient MNM.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL — RNP Y RWY06R

KANSAI APP	RNP APCH	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3		118.2 - 118.05 126.2 - 236.8	ATIS 127.85

AVDOX (IF)	341624.12N 1350055.48E
LETGA (FAF)	341912.86N 1350505.55E
B6R60	342009.95N 1350630.27E
B6R51 (MAPt)	342429.79N 1351256.60E
AMBER (MATF)	342942.20N 1352042.65E
B6R62	343230.52N 1352200.97E
B6R63	343611.91N 1352208.18E
MAIKO	343639.73N 1345949.06E
SASVO (MAHF)	343651.39N 1345007.45E

NM to Next Fix	FAF	8	7	6	5	4	3	2	1	MAPt
ALT (3.0°APCH Path)	3000	2882	2564	2245	1927	1609	1290	972	653	-

MISSED APPROACH

Direct to AMBER, to B6R62, to B6R63, to MAIKO, to SASVO and hold at 4000FT. Contact KANSAI APP.

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 5 AD elev. 17

CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	340(335)	900	340(335)	900	610(593)	1600
B		1000		1000		
C						2400
D		1400		1400		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : New PROC.

INSTRUMENT APPROACH CHART

CHANGE : ONEGU, OSNIT, OPARU established. BB450, BB451, BEIGE abolished. ALT restriction at ONEGU, MAYAH. Missed APCH climb gradient MNM added.

RJBB / KANSAI INTL — RNP RWY24L

KANSAI APP	RNP APCH	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3		118.2 - 118.05 126.2 - 236.8	ATIS 127.85

Baro-VNAV not authorized below -5°C

VAR 8°W

MAYAH (IAF)	343623.74N	1351211.00E
ONEGU	343614.20N	1352014.20E
OSNIT	343611.20N	1352239.80E
BB452	343344.30N	1352235.30E
OPARU	343201.53N	1352147.47E
AMBER (IF)	342942.20N	1352042.65E
ATLOT (FAF)	342828.54N	1351852.60E
B4L50 (MAPt)	342634.93N	1351603.07E
B4L51	342244.29N	1351019.60E
TOMOH	341649.57N	1350020.33E
GATES (MAHF)	340821.38N	1344902.57E

Contour Intervals: 2000, 1500, 1000, 500 — AD elev.17

NM to Next Fix	MAPt	1	2	FAF
ALT (3.0°APCH Path)	-	561	880	1200

MISSED APPROACH

Direct to B4L51, to TOMOH, to GATES and hold at 4000FT.
Contact KANSAI APP.

Missed APCH climb gradient MNM 5.0%

MINIMA	THR elev. 12		AD elev. 17			
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	400(388)	900	400(383)	900	610(593)	1600
B		1000		1000		
C						2400
D		1400		1400		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL — RNP RWY24R

KANSAI APP	RNP APCH	KANSAI TOWER	RADAR AVBL
120.25 - 125.5 258.3		118.2 - 118.05 126.2 - 236.8	ATIS 127.85

Baro-VNAV not authorized below -5˚C

VAR 8˚W

MAYAH (IAF)	343623.74N	1351211.00E
ONEGU	343614.20N	1352014.20E
OSNIT	343611.20N	1352239.80E
BB452	343344.30N	1352235.30E
OPARU (IF)	343201.53N	1352147.47E
BEGES (FAF)	343006.27N	1351855.19E
B4R70 (MAPt)	342742.42N	1351520.49E
LILAC (MAHF)	342710.73N	1345842.01E

NM to Next Fix	MAPt	1	2	3	FAF
ALT(3.0˚ APCH Path)	–	707	1025	1343	1600

MISSED APPROACH

Turn right direct to LILAC and hold at 3000FT.

Contact KANSAI APP.

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 16 AD elev. 17

CAT	LNAV/VNAV DA(H)	LNAV/VNAV RVR/CMV	LNAV MDA(H)	LNAV RVR/CMV	CIRCLING MDA(H)	CIRCLING VIS
A	410(394)	900	400(383)	900	610(593)	1600
B		1000		1000		
C						2400
D		1400		1400		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : ONEGU, OSNIT, OPARU established. BB450, BB451, BEIGE abolished. ALT restriction at MAYAH, ONEGU.

RJBB / KANSAI INTL

Visual REP

※図中に標高を示す数字がある場合、単位はメートル(m)である。 The unit of measurement used to express elevation is meter(m).

CHANGE : Visual REP(2NM NW of RWY06L/24R, Waterway, Bridge) established.

Call sign	BRG / DIST from ARP	Remarks
6NM N	360°T / 6.0NM	海上 Over the sea
2NM NW of RWY06L/24R	320°T / 2.5NM	海上 Over the sea
岸和田 Kishiwada	078°T / 7.4NM	南海本線・岸和田駅 Station
ウォーターウェイ Waterway	070°T / 0.5NM	海上 Over the sea
6NM W	270°T / 6.0NM	海上 Over the sea
ブリッジ Bridge	110°T / 2.3NM	連絡橋中間部 Middle section of the access bridge
りんくう Rinku	113°T / 3.6NM	ビル Building
樽井 Tarui	158°T / 3.9NM	南海本線・樽井駅 Station
箱作 Hakotsukuri	190°T / 5.6NM	南海本線・箱作駅 Station

KANSAI INTL
LDG CHART
ELEV 17.4 ft
VAR8°W 2023
(Annual change 5.0'W)
PAPI ANGLE 3.0°
MEHT 67 ft
421m from THR
PALS(CAT Ⅱ)
KANSAI TWR
118.2-118.05
126.2-236.8
PAPI ANGLE 3.0°
MEHT 66 ft
383m from THR
24R
13124 x 197 ft
Asph-Conc
ABN
150
304
24L
PALS(CAT Ⅱ)
PAPI ANGLE 3.0°
MEHT 67 ft
474m from THR
11483 x 197 ft
Asph-Conc
06L
PALS(CAT Ⅱ)
151
06R
PALS(CAT Ⅱ)
VOR/DME
KANSAI
111.6 KIE
CH-53X
34°25′33″N/135°12′28″E
PAPI ANGLE 3.0°
MEHT 66 ft
416m from THR
29′
27′
25′
23′
1000 0 3000 ft
500 1000 2000 m
SCALE
34°21′
660
1258
1164
ELEVATIONS AND
HEIGHTS IN FEET
MEAN SEA LEVEL
135°13′
15′
17′
19′

RJBB / KANSAI INTL

Minimum Vectoring Altitude CHART

VAR 8˚W (2023)

① 1500
② 2000
③ 2100
④ 3500
⑤ 4000
⑥ 5000
⑦ 10000
⑧ 12000

CENTER : *342636N/1351511E* (No.1 RADAR SITE)
CENTER : *342540N/1351343E* (No.2 RADAR SITE)

✳ : *341405N/1344851E* RADIUS : 3NM

CHANGE : Update.