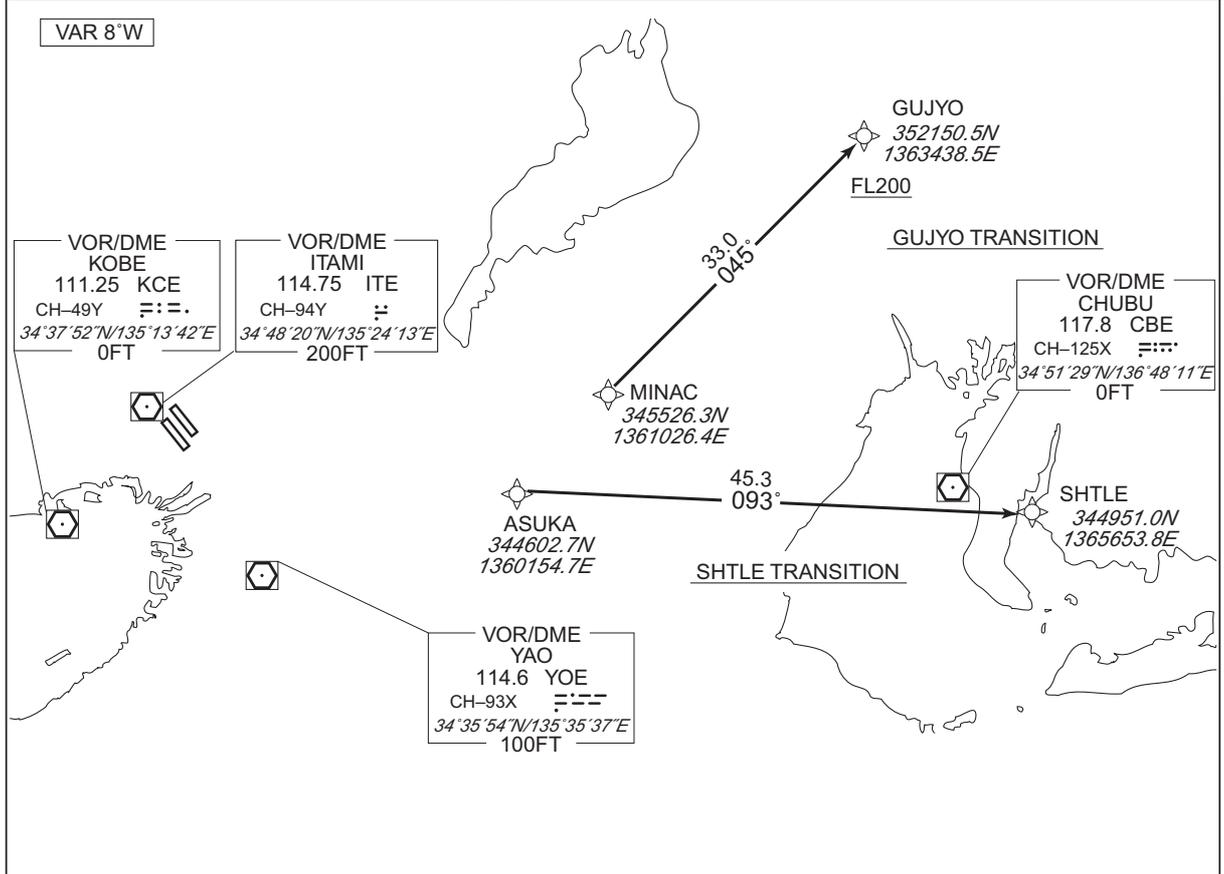


STANDARD DEPARTURE CHART-INSTRUMENT

RJOO / OSAKA INTL RNAV TRANSITION

GUJYO TRANSITION / SHTLE TRANSITION	RNAV1	
NOTE 1) DME/DME/IRU or GNSS required. 2) RADAR service required.	Critical DME	-
	DME GAP	-
	Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



**GUJYO TRANSITION**  
From MINAC, to GUJYO at or above FL200.

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	MINAC	-	-	-8.0	-	-	-	-	-	RNAV1
002	TF	GUJYO	-	045 (036.7)	-8.0	33.0	-	+FL200	-	-	RNAV1

**SHTLE TRANSITION**  
From ASUKA, 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	ASUKA	-	-	-8.0	-	-	-	-	-	RNAV1
002	TF	SHTLE	-	093 (084.9)	-8.0	45.3	-	-	-	-	RNAV1

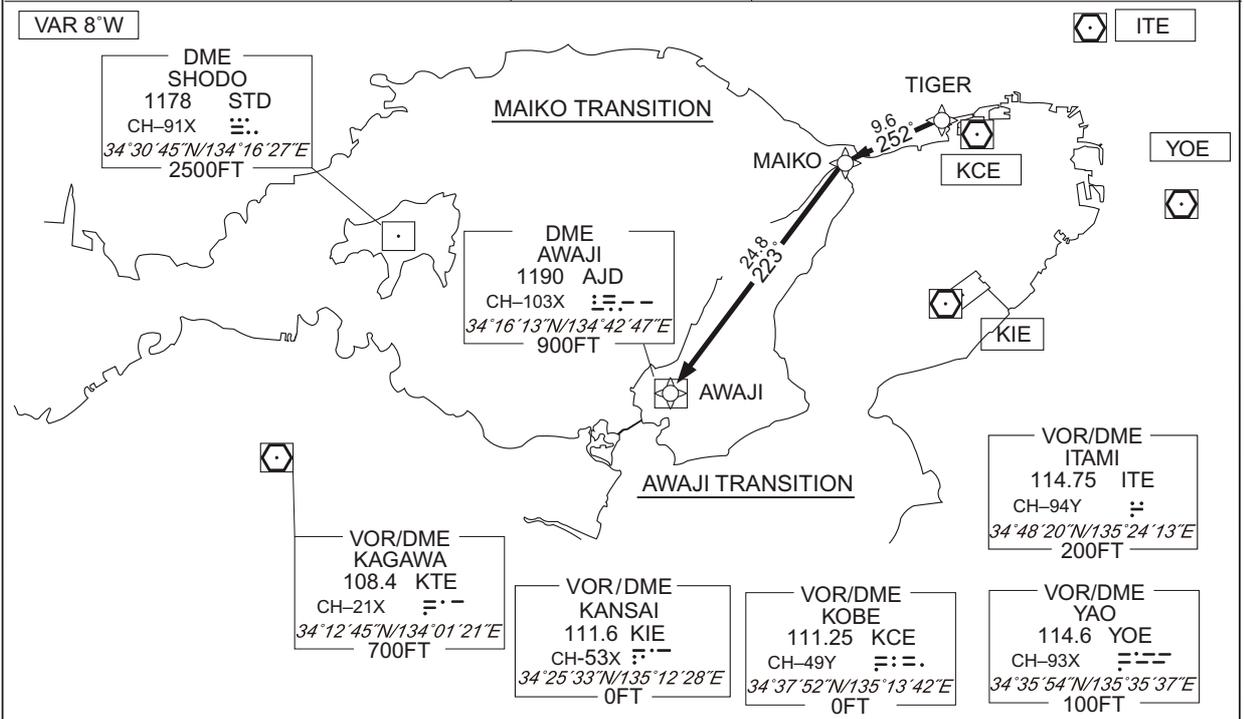
CHANGE : Description of VAR.

STANDARD DEPARTURE CHART-INSTRUMENT

RJOO / OSAKA INTL

RNAV TRANSITION

MAIKO TRANSITION / AWAJI TRANSITION		RNAV1
NOTE 1 ) DME/DME/IRU or GNSS required. 2 ) RADAR service required.	Critical DME	-
	DME GAP	-
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



CHANGE : MAIKO TRANSITION established. Waypoint Coordinates added.

MAIKO TRANSITION

From TIGER, to MAIKO.

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	TIGER	-	-	-8.2	-	-	-	-	-	RNAV1
002	TF	MAIKO	-	252 (244.2)	-8.2	9.6	-	-	-	-	RNAV1

AWAJI TRANSITION

From TIGER, to MAIKO, to AWAJI.

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	TIGER	-	-	-8.0	-	-	-	-	-	RNAV1
002	TF	MAIKO	-	252 (244.2)	-8.0	9.6	-	-	-	-	RNAV1
003	TF	AWAJI	-	223 (214.6)	-8.0	24.8	-	-	-	-	RNAV1

Waypoint Coordinates

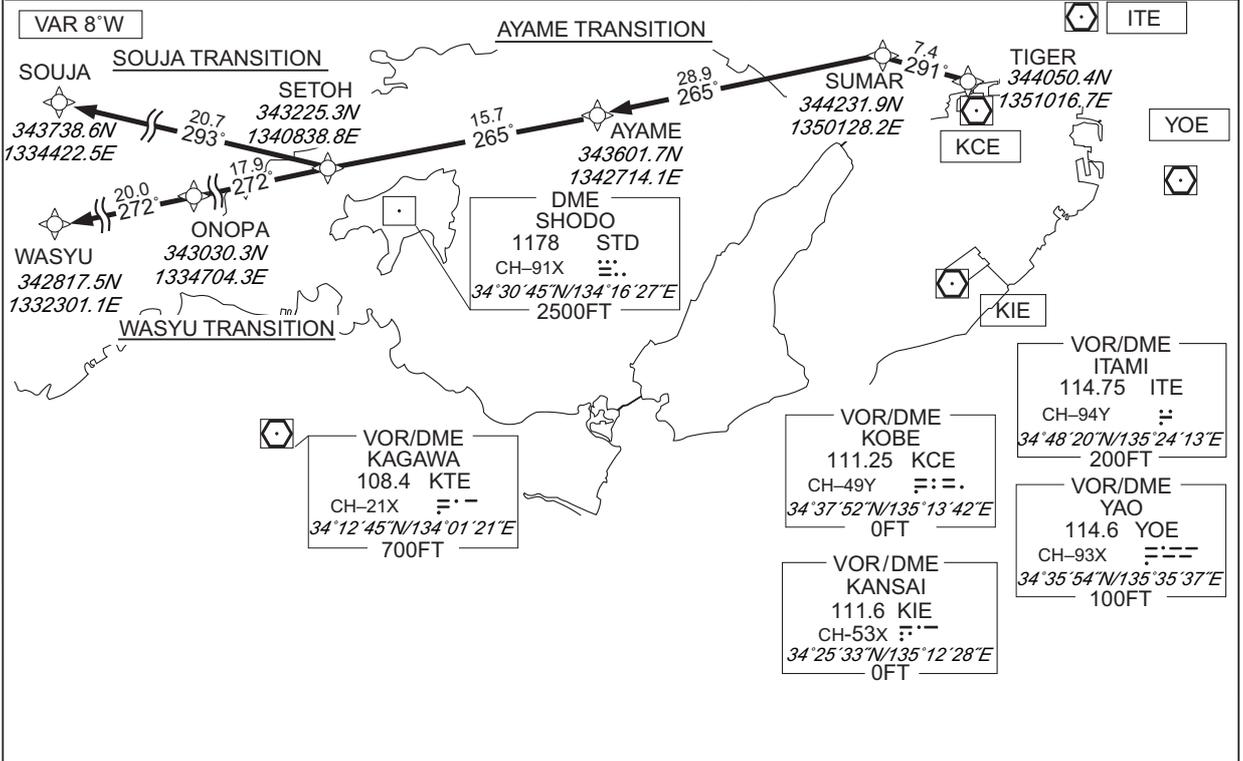
Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
TIGER	344050.4N / 1351016.7E	AWAJI	341613.1N / 1344246.6E
MAIKO	343639.7N / 1345949.1E		

STANDARD DEPARTURE CHART-INSTRUMENT

RJOO / OSAKA INTL

RNAV TRANSITION

AYAME TRANSITION / SOUJA TRANSITION / WASYU TRANSITION		RNAV1
NOTE 1 ) DME/DME/IRU or GNSS required. 2 ) RADAR service required.	Critical DME	-
	DME GAP	-
	Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



AYAME TRANSITION

From TIGER, to SUMAR, to AYAME.

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	TIGER	-	-	-8.1	-	-	-	-	-	RNAV1
002	TF	SUMAR	-	291 (283.2)	-8.1	7.4	-	-	-	-	RNAV1
003	TF	AYAME	-	265 (257.2)	-8.1	28.9	-	-	-	-	RNAV1

SOUJA TRANSITION

From TIGER, to SUMAR, to AYAME, to SETOH, 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	TIGER	-	-	-8.1	-	-	-	-	-	RNAV1
002	TF	SUMAR	-	291 (283.2)	-8.1	7.4	-	-	-	-	RNAV1
003	TF	AYAME	-	265 (257.2)	-8.1	28.9	-	-	-	-	RNAV1
004	TF	SETOH	-	265 (256.8)	-8.1	15.7	-	-	-	-	RNAV1
005	TF	SOUJA	-	293 (284.8)	-8.1	20.7	-	-	-	-	RNAV1

CHANGE : TAKAMATSU TACAN abolished.

STANDARD DEPARTURE CHART-INSTRUMENT

RJOO / OSAKA INTL

RNAV TRANSITION

WASYU TRANSITION

From TIGER, to SUMAR, to AYAME, to SETOH, to ONOPA, 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	TIGER	-	-	-8.1	-	-	-	-	-	RNAV1
002	TF	SUMAR	-	291 (283.2)	-8.1	7.4	-	-	-	-	RNAV1
003	TF	AYAME	-	265 (257.2)	-8.1	28.9	-	-	-	-	RNAV1
004	TF	SETOH	-	265 (256.8)	-8.1	15.7	-	-	-	-	RNAV1
005	TF	ONOPA	-	272 (263.9)	-8.1	17.9	-	-	-	-	RNAV1
006	TF	WASYU	-	272 (263.7)	-8.1	20.0	-	-	-	-	RNAV1

CHANGE : VAR. PROC course. ONOPA established.