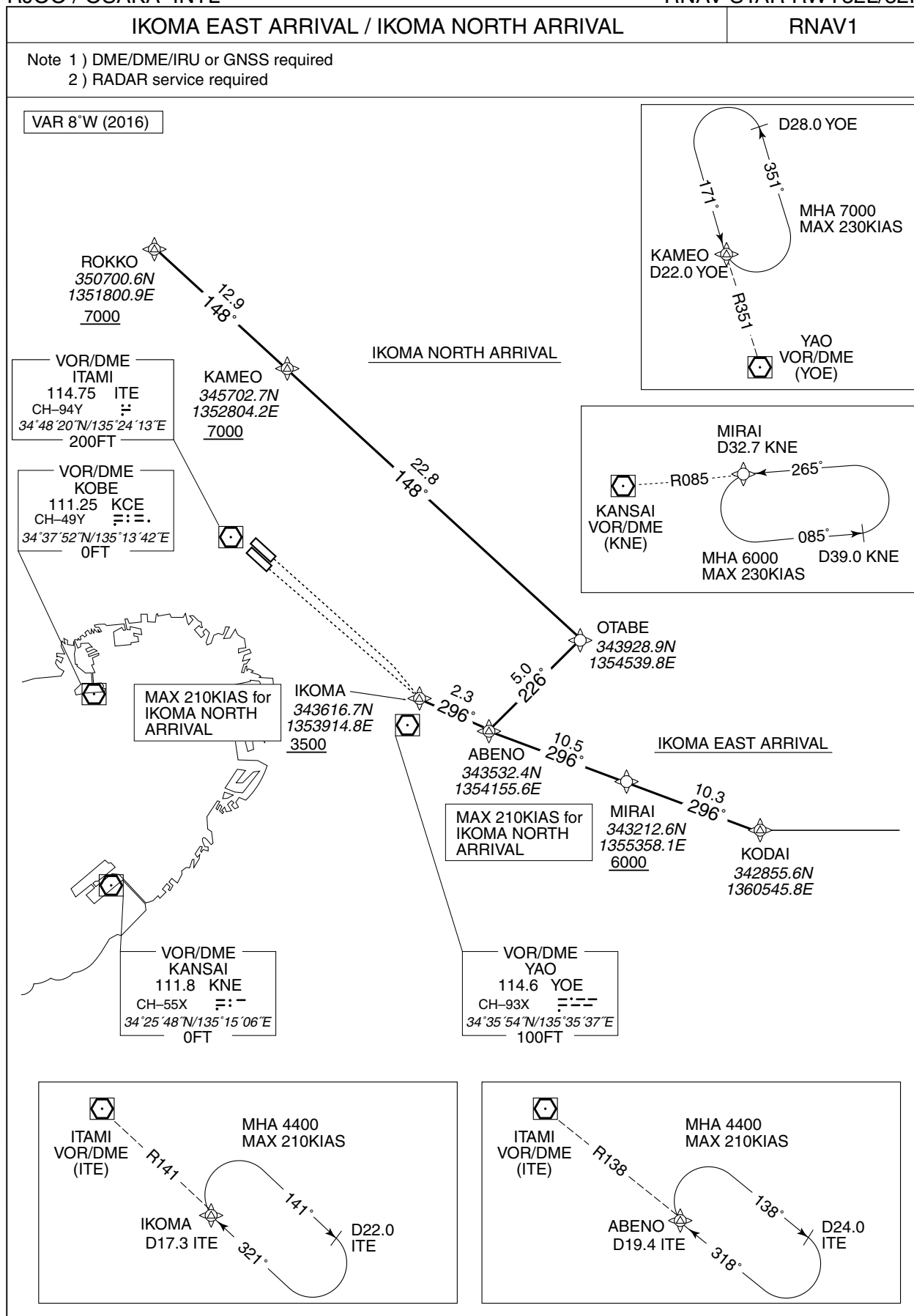


## STANDARD ARRIVAL CHART-INSTRUMENT

RJOO / OSAKA INTL

RNAV STAR RWY32L/32R



## STANDARD ARRIVAL CHART-INSTRUMENT

RJOO / OSAKA INTL

RNAV STAR RWY32L/32R

IKOMA EAST ARRIVAL

From KODAI, to MIRAI at or above 6000FT, to ABENO, to IKOMA at or above 3500FT.

Critical DME	KCC : KODAI – MIRAI
DME GAP	–
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

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	KODAI	–	–	-7.6	–	–	–	–	–	RNAV1
002	TF	MIRAI	–	296 (288.7)	-7.6	10.3	–	+6000	–	–	RNAV1
003	TF	ABENO	–	296 (288.6)	-7.6	10.5	–	–	–	–	RNAV1
004	TF	IKOMA	–	296 (288.5)	-7.6	2.3	–	+3500	–	–	RNAV1

IKOMA NORTH ARRIVAL

From ROKKO at or above 7000FT, to KAMEO at or above 7000FT, to OTABE, to ABENO, to IKOMA at or above 3500FT.

Critical DME	ITE : 9.9NM to KAMEO – KAMEO YME : 19.7NM to OTABE – 13.7NM to OTABE
DME GAP	–
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

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	ROKKO	–	–	-7.6	–	–	+7000	–	–	RNAV1
002	TF	KAMEO	–	148 (140.4)	-7.6	12.9	–	+7000	–	–	RNAV1
003	TF	OTABE	–	148 (140.5)	-7.6	22.8	–	–	–	–	RNAV1
004	TF	ABENO	–	226 (218.0)	-7.6	5.0	–	–	-210	–	RNAV1
005	TF	IKOMA	–	296 (288.5)	-7.6	2.3	–	+3500	-210	–	RNAV1

## STANDARD ARRIVAL CHART-INSTRUMENT

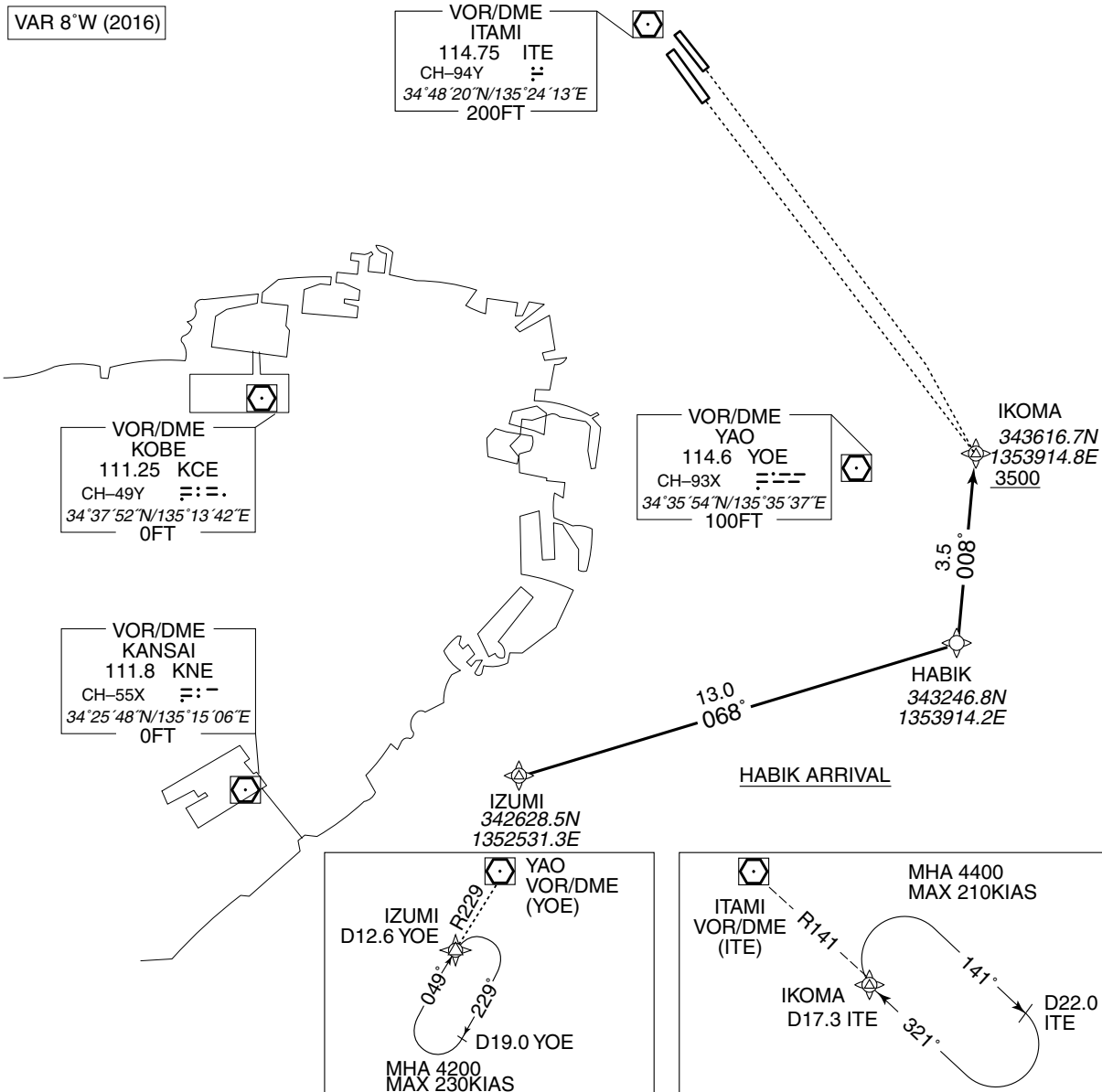
RJOO / OSAKA INTL

RNAV STAR RWY32L/32R

## HABIK ARRIVAL

RNAV1

- Note 1 ) DME/DME/IRU or GNSS required  
2 ) RADAR service required



## HABIK ARRIVAL

From IZUMI, to HABIK, to IKOMA at or above 3500FT.

Critical DME	—
DME GAP	—
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

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	IZUMI	—	—	-7.6	—	—	—	—	—	RNAV1
002	TF	HABIK	—	068 (060.8)	-7.6	13.0	—	—	—	—	RNAV1
003	TF	IKOMA	—	008 (000.1)	-7.6	3.5	—	+3500	—	—	RNAV1