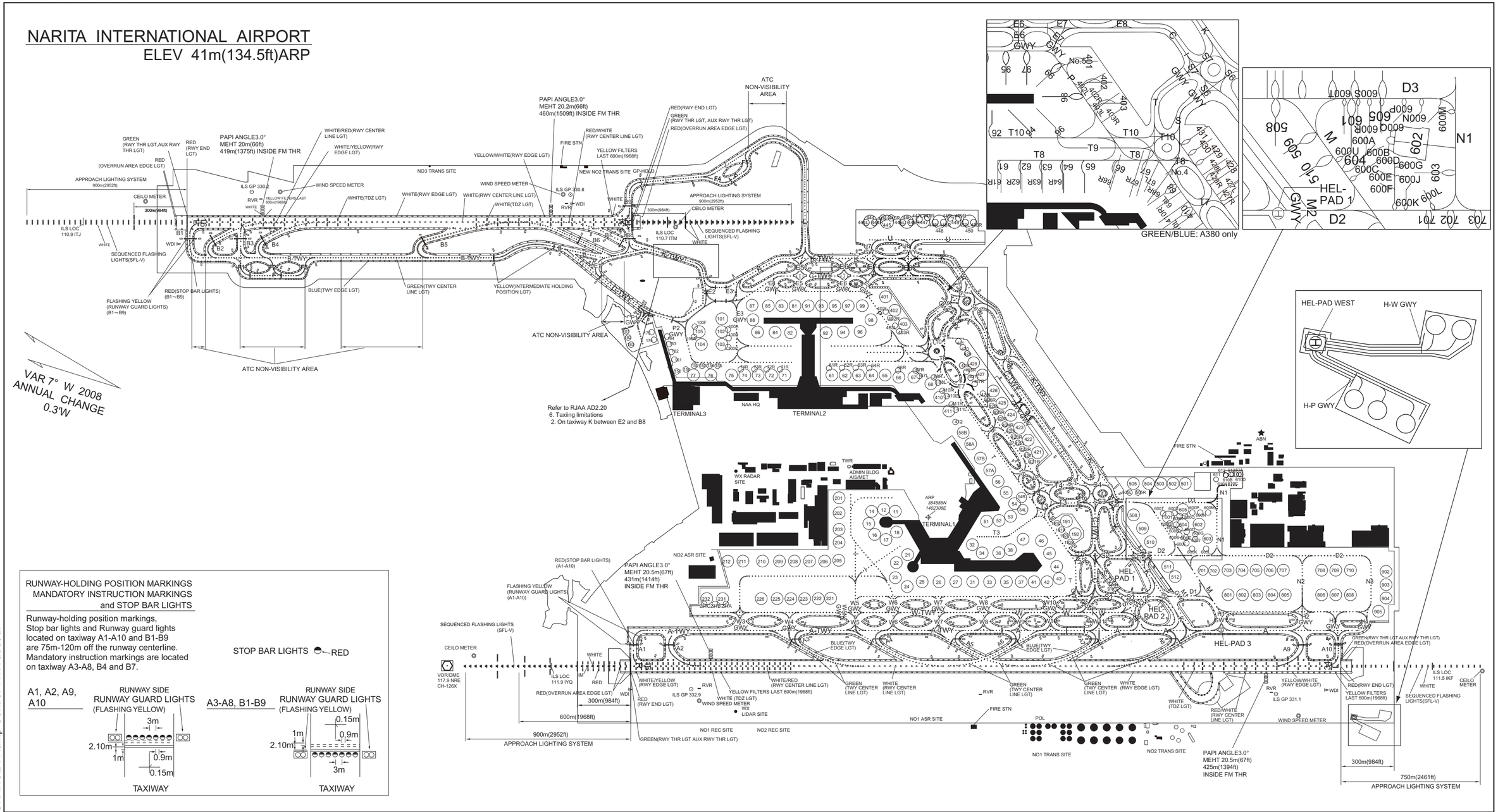
AERODROME CHART

NARITA INTERNATIONAL AIRPORT
ELEV 41m(134.5ft)ARP



RUNWAY-HOLDING POSITION MARKINGS
MANDATORY INSTRUCTION MARKINGS
and STOP BAR LIGHTS

Runway-holding position markings, Stop bar lights and Runway guard lights located on taxiway A1-A10 and B1-B9 are 75m-120m off the runway centerline. Mandatory instruction markings are located on taxiway A3-A8, B4 and B7.

STOP BAR LIGHTS ●— RED

A1, A2, A9, A10

RUNWAY SIDE
RUNWAY GUARD LIGHTS
(FLASHING YELLOW)

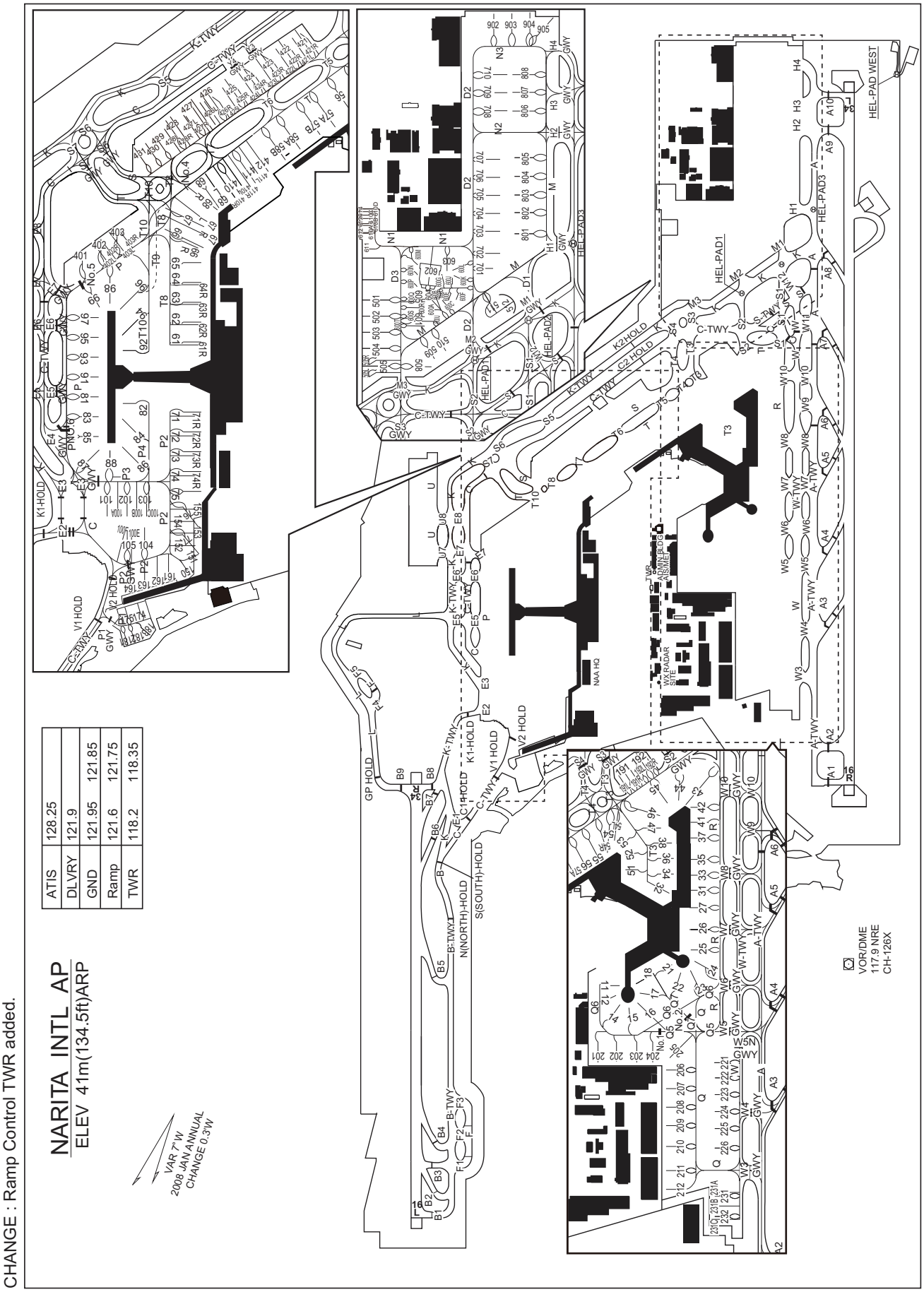
TAXIWAY

A3-A8, B1-B9

RUNWAY SIDE
RUNWAY GUARD LIGHTS
(FLASHING YELLOW)

TAXIWAY

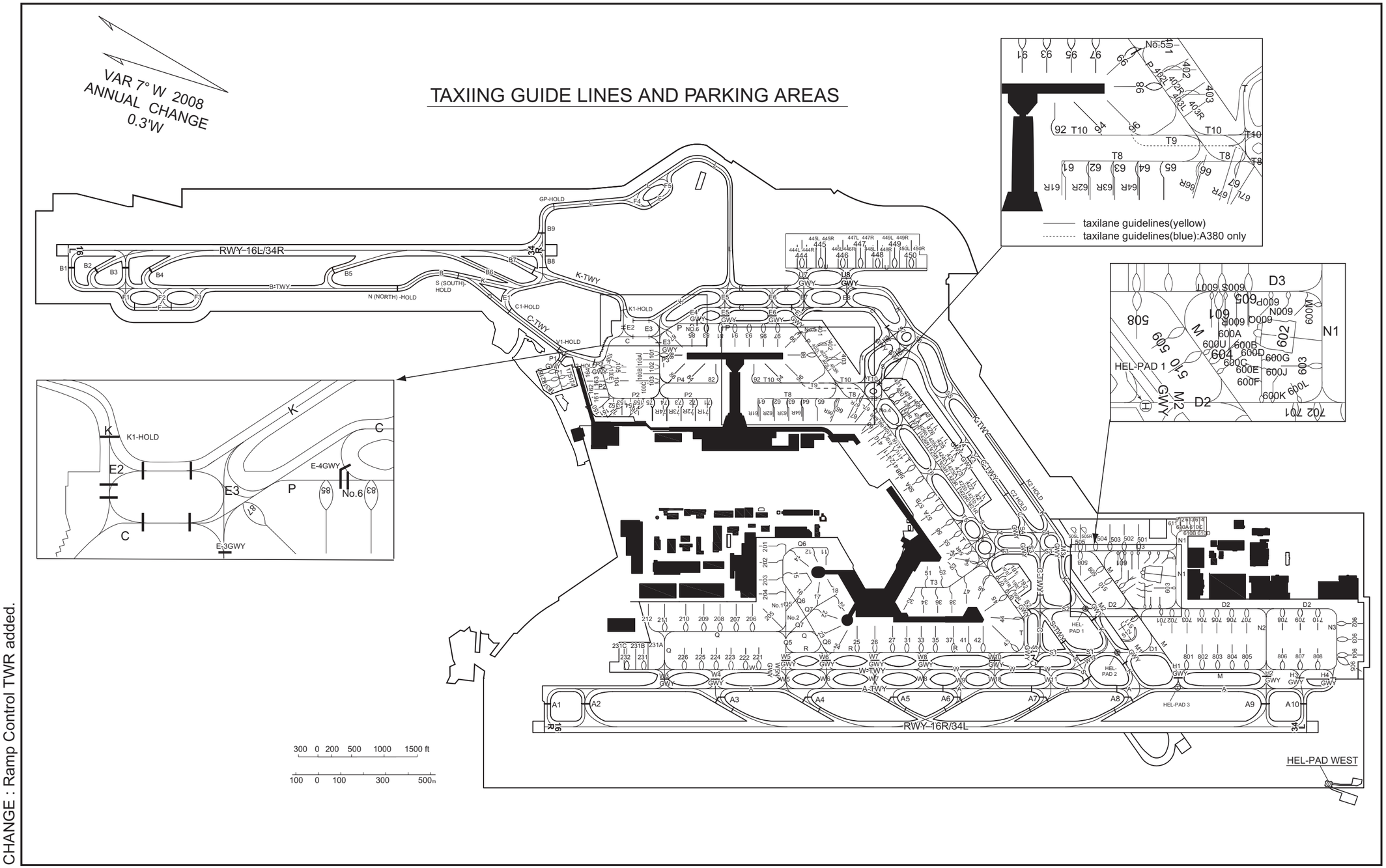
CHANGE : Ramp Control TWR added.



CHANGE : Ramp Control TWR added.

INTENTIONALLY LEFT BLANK

TAXIING GUIDE LINES AND PARKING AREAS

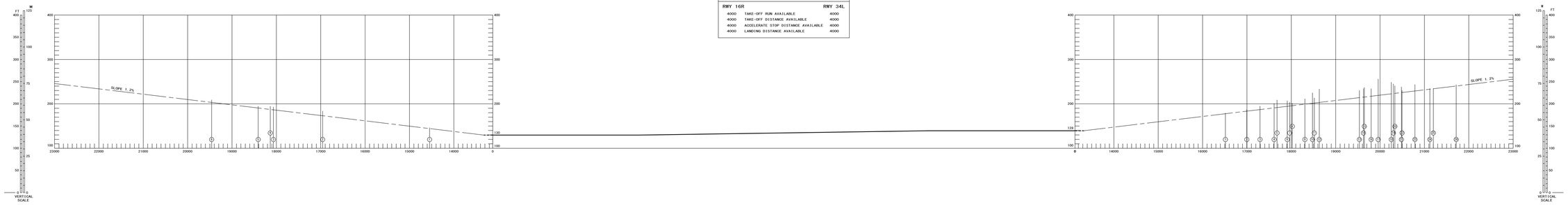


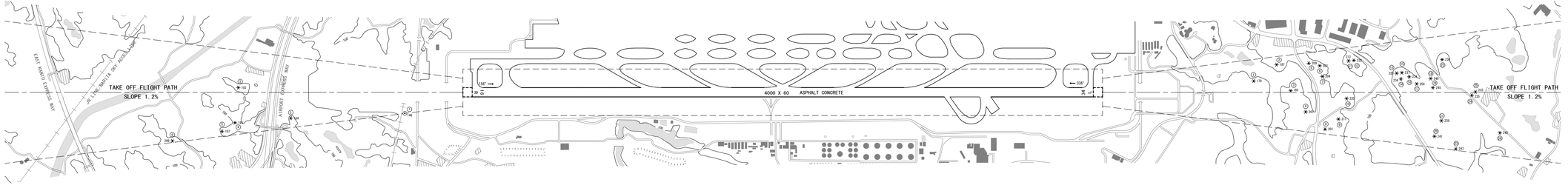
CHANGE : Ramp Control TWR added.

MAGNETIC VARIATION 8° W-JAN 2020

NARITA INTERNATIONAL AIRPORT
RWY : 16R/34L

DECLARED DISTANCES		
RWY 16R		RWY 34L
4000	TAKE-OFF RUN AVAILABLE	4000
4000	TAKE-OFF DISTANCE AVAILABLE	4000
4000	ACCELERATE STOP DISTANCE AVAILABLE	4000
4000	LANDING DISTANCE AVAILABLE	4000





LEGEND	
①	IDENTIFICATION NUMBER
	POLE, TOWER, SPIRE, ANTENNA, ETC
	TREE
	LEVEE
	RAIL ROAD
	RIVER
	TRANSMISSION LINE OR OVERHEAD CABLE
	TRIANGURATION POINTS
	AERONAUTICAL GROUND LIGHT

AMENDMENT RECORD		
Nr	DATE	ENTERED BY

HORIZONTAL SCALE

FEET

1000 500 0 1000 2000 3000 4000 5000 6000 7000 8000 ft

300 0 500 1000 1500 2000 2500 m

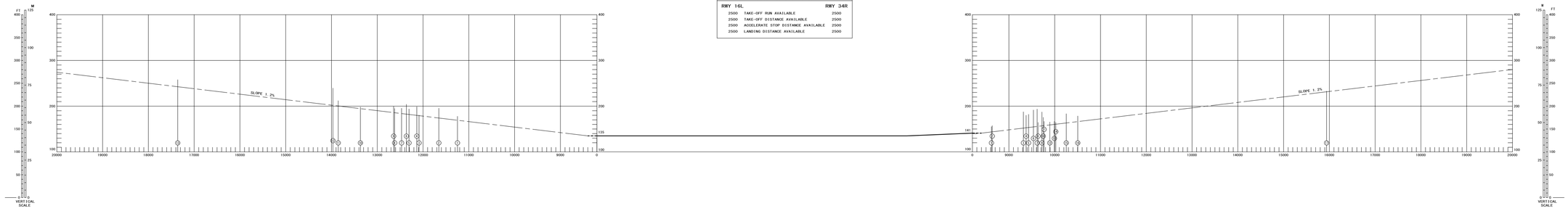
METRES

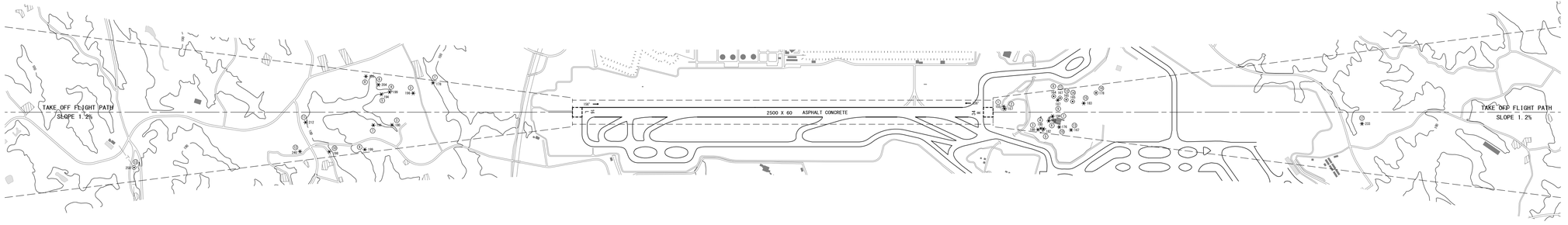
CHANGE:Update

MAGNETIC VARIATION 8° W-JAN 2020

NARITA INTERNATIONAL AIRPORT
RWY : 16L/34R

DECLARED DISTANCES		
RWY 16L		RWY 34R
2500	TAKE-OFF RUN AVAILABLE	2500
2500	TAKE-OFF DISTANCE AVAILABLE	2500
2500	ACCELERATE STOP DISTANCE AVAILABLE	2500
2500	LANDING DISTANCE AVAILABLE	2500





LEGEND	
①	IDENTIFICATION NUMBER
⊙	POLE, TOWER, SPIRE, ANTENNA, ETC
✱	TREE
	LEVEE
	RAIL ROAD
	RIVER
	TRANSMISSION LINE OR OVERHEAD CABLE
△	TRIANGURATION POINTS
✯	AERONAUTICAL GROUND LIGHT

AMENDMENT RECORD		
No	DATE	ENTERED BY

HORIZONTAL SCALE

FEET

1000 500 0 1000 2000 3000 4000 5000 6000 7000 8000 ft

300 0 500 1000 1500 2000 2500 m

METRES

CHANGE:Update

AERODROME ELEVATION 135.5ft ARP

TAKE-OFF FLIGHT PATH SLOPE 1.2%

APPROACH SURFACE SLOPE 1:50

TRANSITIONAL SURFACE SLOPE 1:7

2500 X 60 ASPHALT CONCRETE

4000 X 60 ASPHALT CONCRETE

HORIZONTAL SURFACE
282.5ft AMSL

CONICAL SURFACE
SLOPE 1:50

JR LINE

NARITA CITY

Route 51

EAST KANTO EXPRESS WAY

AIRPORT EXPRESSWAY

KEISEI LINE

APRON

TOMISATO CITY

TAKO TOWN

SHIBAYAMA TOWN

140° 19′ 140° 20′ 140° 21′ 140° 22′ 140° 23′ 140° 24′ 140° 25′ 140° 26′ 140° 27′

35° 51′ 35° 50′ 35° 49′ 35° 48′ 35° 47′ 35° 46′ 35° 45′ 35° 44′ 35° 43′ 35° 42′ 35° 41′

HORIZONTAL SCALE

FEET
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000ft

METRES
300 0 500 1000 1500 2000 2500 3000m

LEGEND

- AERODROME REFERENCE POINT 35° 45′ 55″ N 140° 23′ 08″ E
- POLE, TOWER, SPIRE, ANTENNA, ETC
- AERONAUTICAL GROUND LIGHT
- BUILDING OR LARGE STRUCTURE
- RAIL ROAD
- TRIANGURATION POINTS
- TRANSMISSION LINE OR OVERHEAD CABLE
- LEVEE
- TREE
- RIVER
- LAKE
- CONTOURS(ft)

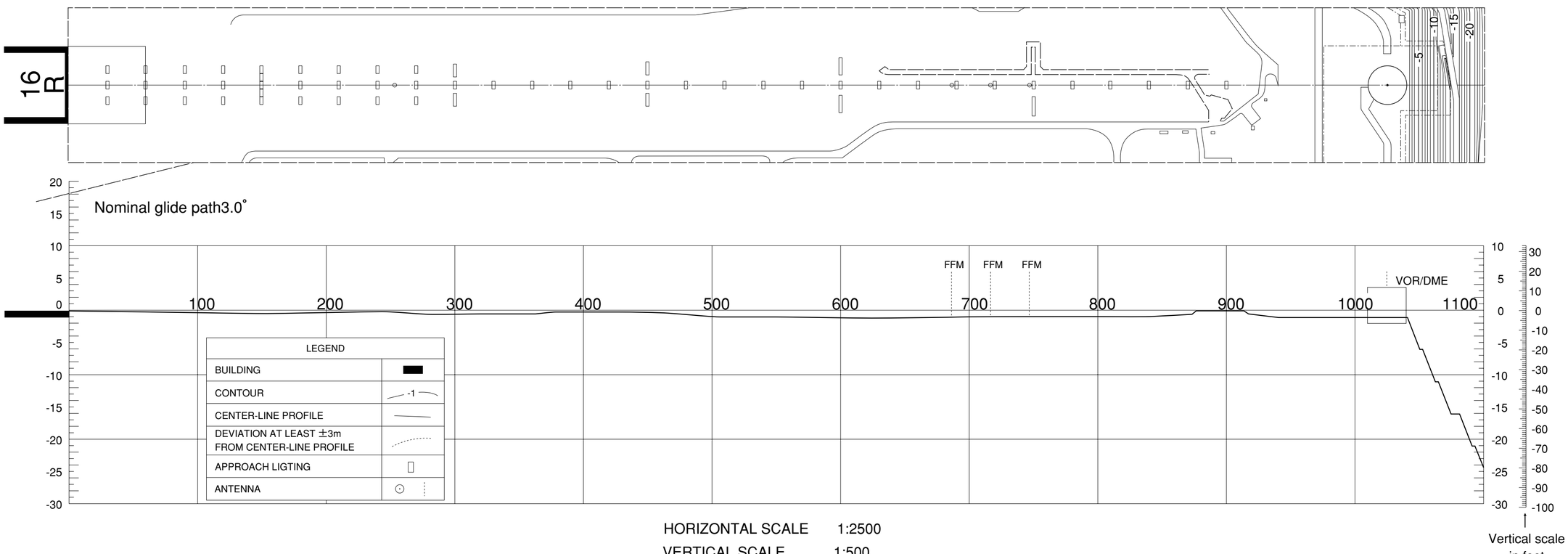
AMENDMENT RECORD		
Nr	DATE	ENTERED BY

CHANGE:Update

PRECISION APPROACH TERRAIN PROFILE CHART

DISTANCES AND HEIGHTS IN METERS

RWY 16R



HORIZONTAL SCALE 1:2500

VERTICAL SCALE 1:500

CONTOUR AND HEIGHTS ARE RELATED
TO ELEVATION OF RWY THR

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL SID

SAKURA FOUR DEPARTURE

RWY 16R : Climb via NRE R157 to 14.0DME,...

RWY 16L : Climb via HKE R157 to 15.4DME,...

...turn left to intercept and proceed via NRE R129 to NRE VOR/DME, via NRE R271 to TETRA.

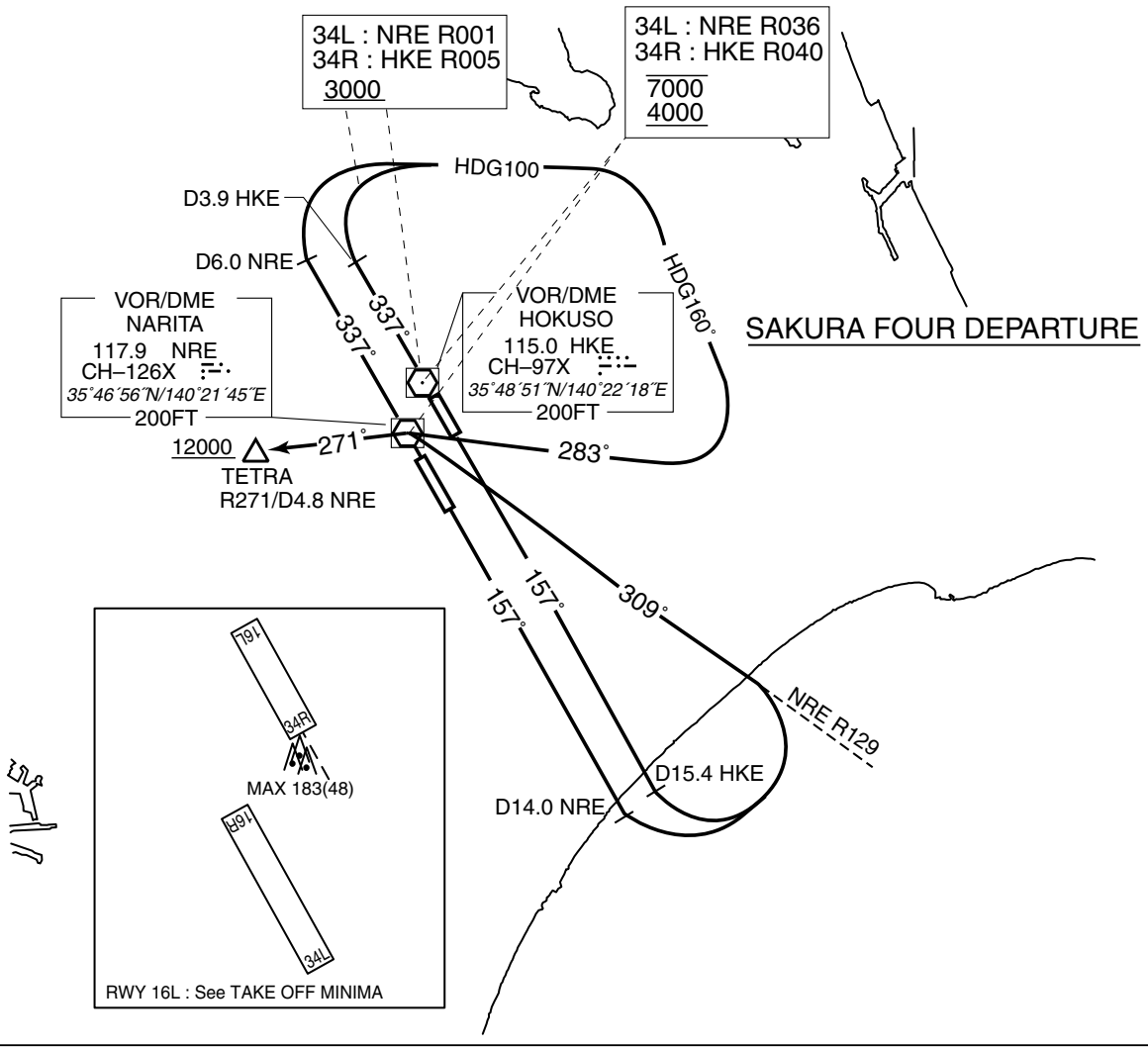
Cross TETRA at or above 12000FT.

RWY 34L : Climb via NRE R337 to 6.0DME, turn right HDG100˚ until crossing NRE R036,...

RWY 34R : Climb via HKE R337 to 3.9DME, turn right HDG100˚ until crossing HKE R040,...

...turn right HDG160˚ to intercept and proceed via NRE R103 to NRE VOR/DME, via NRE R271 to TETRA.

Cross NRE R001(RWY34L)/HKE R005(RWY34R) at or above 3000FT, cross NRE R036(RWY34L)/HKE R040(RWY34R) between 4000FT and 7000FT, cross TETRA at or above 12000FT.



CHANGE: Marginal note (Title)

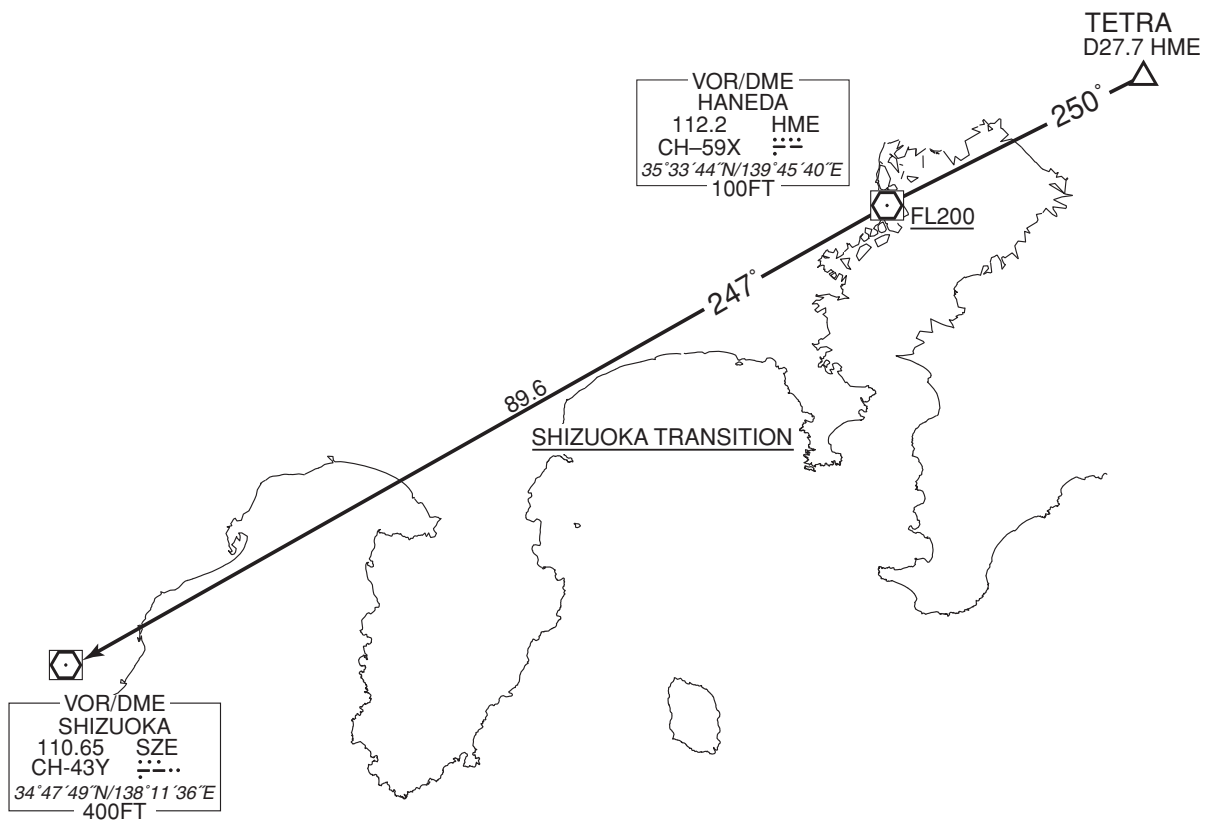
STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL TRANSITION

SHIZUOKA TRANSITION

From over TETRA, via HME R070 to HME VOR/DME, via HME R247 to SZE VOR/DME.

Cross HME VOR/DME at or above FL200.



CHANGE: Marginal note (Title)

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL SID

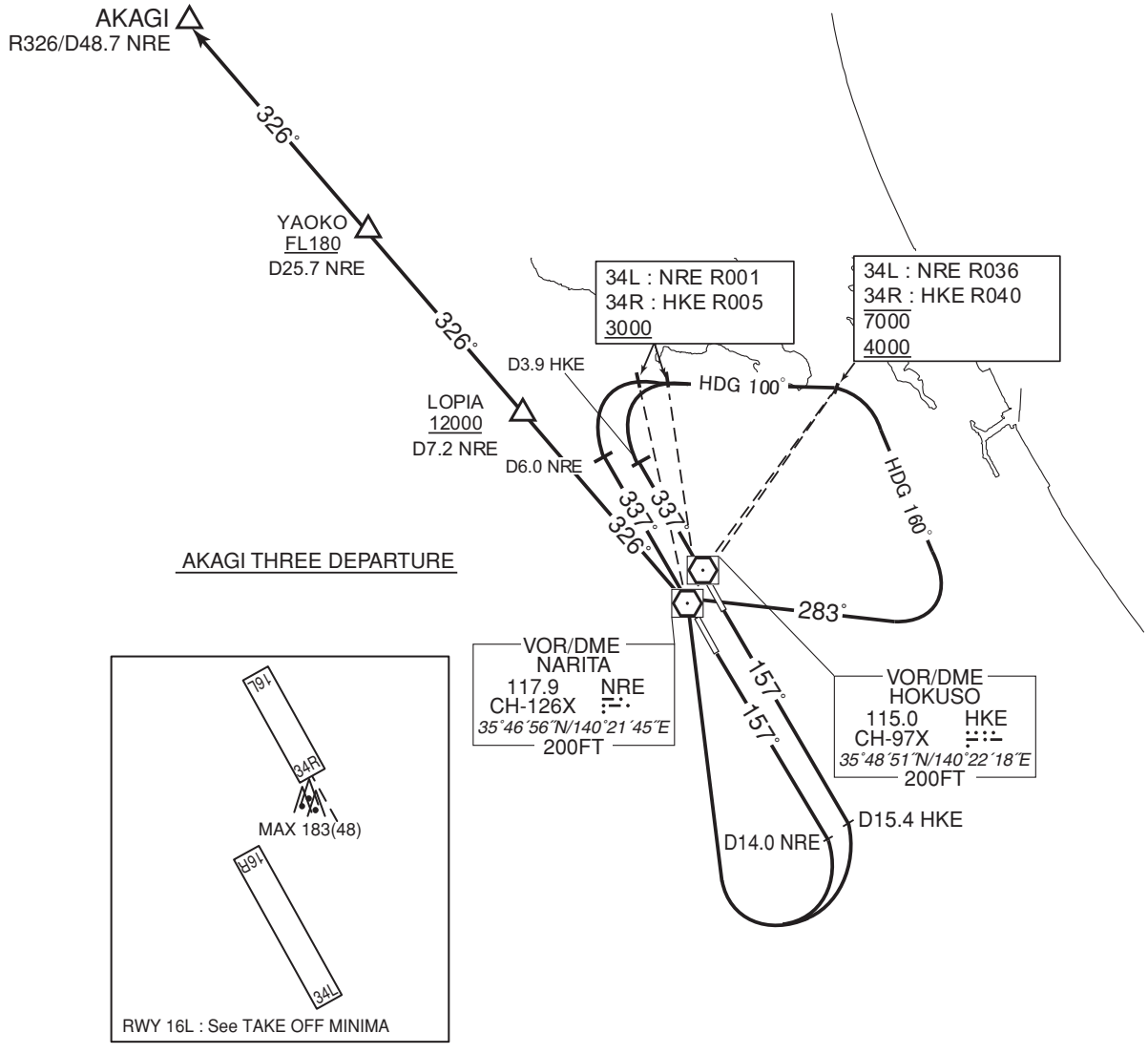
AKAGI THREE DEPARTURE

RWY16R : Climb via NRE R157 to 14.0DME, turn right,...

RWY16L : Climb via HKE R157 to 15.4DME, turn right,...
... direct to NRE VOR/DME, via NRE R326 to AKAGI via LOPIA and YAOKO.
Cross LOPIA at or above 12000FT, cross YAOKO at or above FL180.

RWY34L : Climb via NRE R337 to 6.0DME, turn right HDG100˚ until crossing NRE R036,...

RWY34R : Climb via HKE R337 to 3.9DME, turn right HDG100˚ until crossing HKE R040,...
...turn right HDG160˚ to intercept and proceed via NRE R103 to NRE VOR/DME, via NRE R326 to AKAGI via LOPIA and YAOKO.
Cross NRE R001(RWY34L)/HKE R005(RWY34R) at or above 3000FT, cross NRE R036(RWY34L)/HKE R040(RWY34R) between 4000FT and 7000FT, cross LOPIA at or above 12000FT, cross YAOKO at or above FL180.



CHANGE: Marginal note (Title)

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL SID

SUNNS ONE DEPARTURE

RWY16R : Climb via NRE R157 to 14.0DME,...

RWY16L : Climb via HKE R157 to 15.4DME,...

... turn left HDG108˚ to intercept and proceed via NRE R138 to SUNNS via ROUSY.

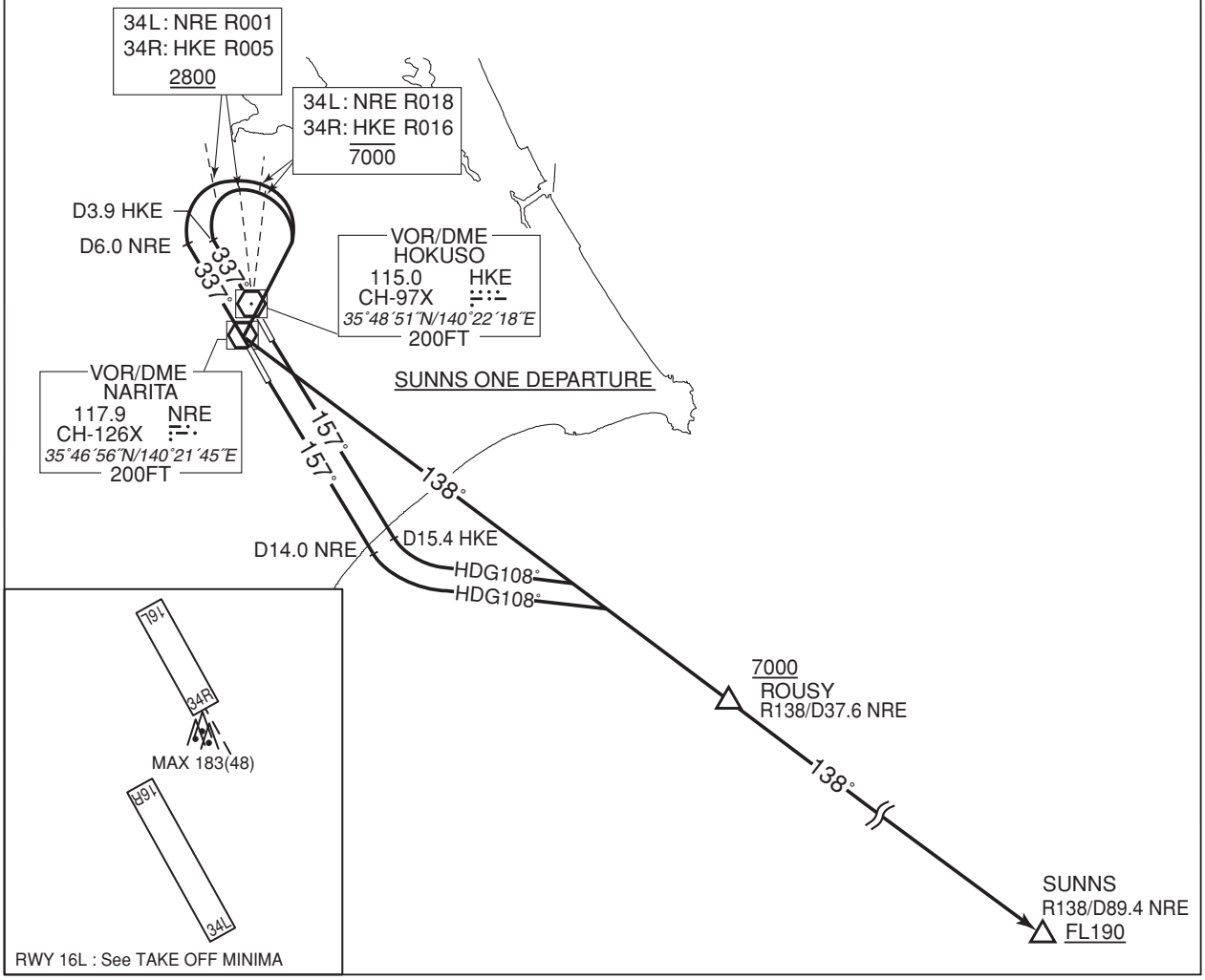
Cross ROUSY at or above 7000FT, cross SUNNS at or above FL190.

RWY34L : Climb via NRE R337 to 6.0DME,...

RWY34R : Climb via HKE R337 to 3.9DME,...

... turn right, direct to NRE VOR/DME, via NRE R138 to SUNNS via ROUSY.

Cross NRE R001(RWY34L) / HKE R005(RWY34R) at or above 2800FT, cross NRE R018(RWY34L) / HKE R016(RWY34R) at or below 7000FT, cross ROUSY at or above 7000FT, cross SUNNS at or above FL190.

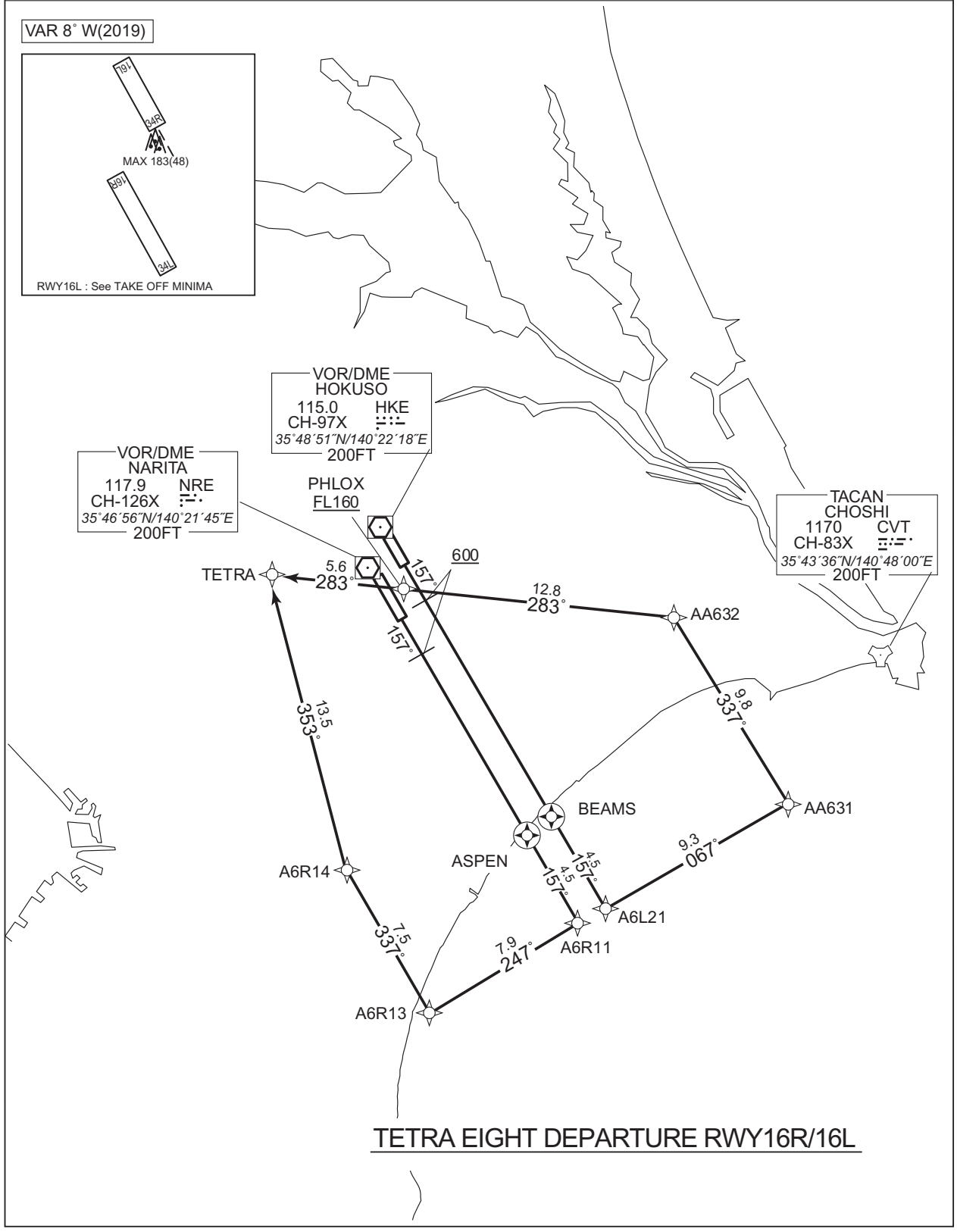


CHANGE: Marginal note (Title)

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL — RNAV SID

TETRA EIGHT DEPARTURE		RNAV1
Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off rolling. 2) RADAR service required.	Critical DME	RWY16R : TLD DER - 1.3NM FM DER RWY16L : TLD DER - 3.4NM FM DER
	DME GAP	RWY34L : DER - 1.3NM FM DER
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

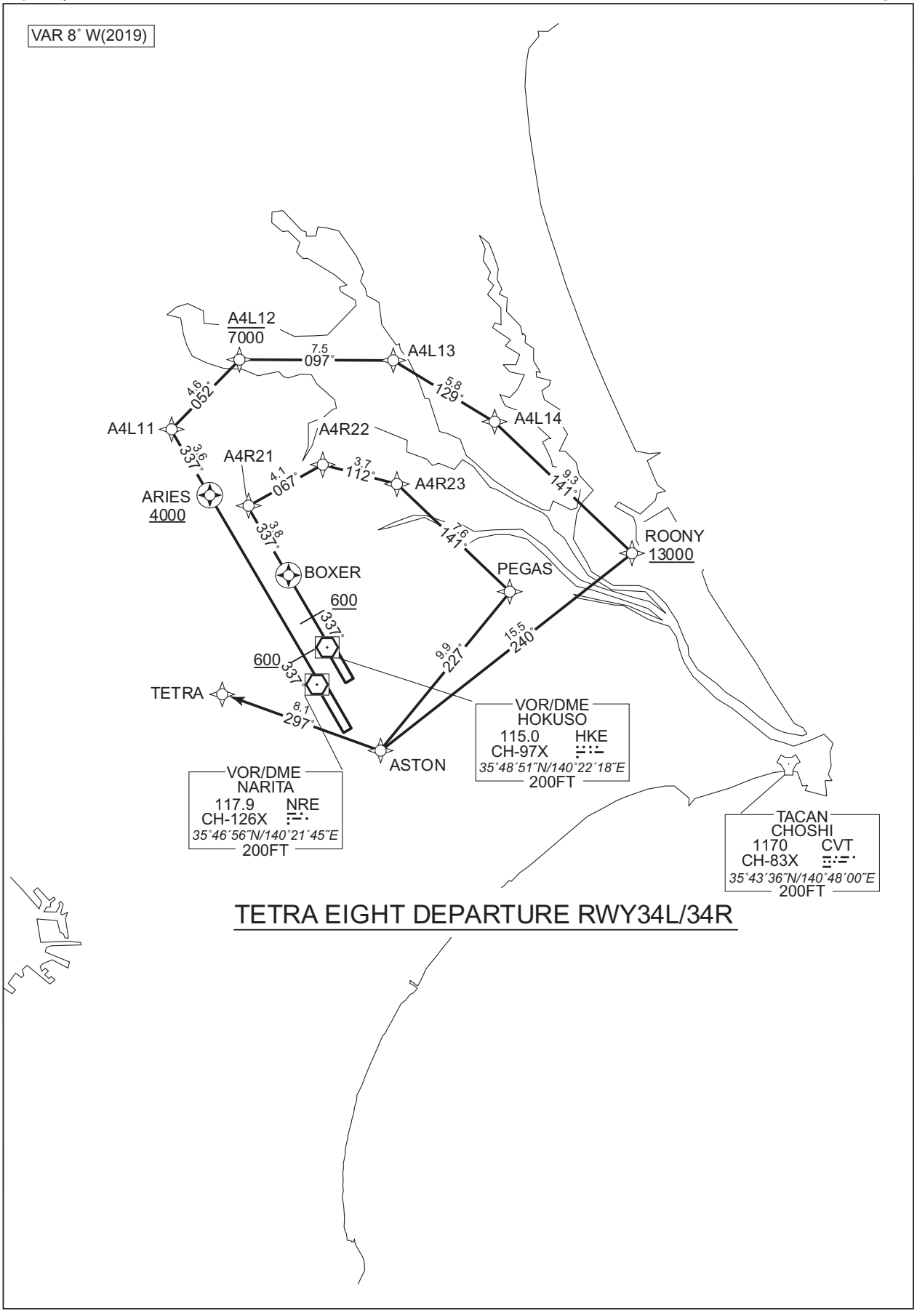


CHANGE : PROC renamed

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID



TETRA EIGHT DEPARTURE RWY34L/34R

CHANGE : ALT Restriction on A4R23. PROC renamed.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

TETRA EIGHT DEPARTURE

RWY16R : Climb on HDG157˚ at or above 600FT, direct to ASPEN, to A6R11, to A6R13, to A6R14, to TETRA.

RWY16L : Climb on HDG157˚ at or above 600FT, direct to BEAMS, to A6L21, to AA631, to AA632, to PHLOX at or above FL160, to TETRA.

RWY34L : Climb on HDG337˚ at or above 600FT, direct to ARIES at or above 4000FT, to A4L11, to A4L12 at or below 7000FT, to A4L13, to A4L14, to ROONY at or above 13000FT, to ASTON, to TETRA.

RWY34R : Climb on HDG337˚ at or above 600FT, direct to BOXER, to A4R21, to A4R22, to A4R23, to PEGAS, to ASTON, to TETRA.

RWY16R *MUST be used for database coding.

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	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ASPEN	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6R11	–	157 (149.7)	-7.5	4.5	–	–	–	–	RNAV1
004	TF	A6R13	–	247 (239.5)	-7.5	7.9	–	–	–	–	RNAV1
005	TF	A6R14	–	337 (329.6)	-7.5	7.5	–	–	–	–	RNAV1
006	TF	TETRA	–	353 (345.1)	-7.5	13.5	–	–	–	–	RNAV1

RWY16L *MUST be used for database coding.

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	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BEAMS	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6L21	–	157 (149.7)	-7.5	4.5	–	–	–	–	RNAV1
004	TF	AA631	–	067 (059.5)	-7.5	9.3	–	–	–	–	RNAV1
005	TF	AA632	–	337 (329.8)	-7.5	9.8	–	–	–	–	RNAV1
006	TF	PHLOX	–	283 (275.3)	-7.5	12.8	–	+FL160	–	–	RNAV1
007	TF	TETRA	–	283 (275.1)	-7.5	5.6	–	–	–	–	RNAV1

CHANGE : ALT Restriction on A4R23. PROC renamed.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

RWY34L *MUST be used for database coding.

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ARIES	Y	–	-7.5	–	–	+4000	–	–	RNAV1
003	TF	A4L11	–	337 (329.5)	-7.5	3.6	–	–	–	–	RNAV1
004	TF	A4L12	–	052 (044.3)	-7.5	4.6	–	-7000	–	–	RNAV1
005	TF	A4L13	–	097 (089.4)	-7.5	7.5	–	–	–	–	RNAV1
006	TF	A4L14	–	129 (121.2)	-7.5	5.8	–	–	–	–	RNAV1
007	TF	ROONY	–	141 (133.2)	-7.5	9.3	–	+13000	–	–	RNAV1
008	TF	ASTON	–	240 (232.1)	-7.5	15.5	–	–	–	–	RNAV1
009	TF	TETRA	–	297 (289.5)	-7.5	8.1	–	–	–	–	RNAV1

RWY34R *MUST be used for database coding.

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BOXER	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A4R21	–	337 (329.6)	-7.5	3.8	–	–	–	–	RNAV1
004	TF	A4R22	–	067 (059.3)	-7.5	4.1	–	–	–	–	RNAV1
005	TF	A4R23	–	112 (104.6)	-7.5	3.7	–	–	–	–	RNAV1
006	TF	PEGAS	–	141 (133.4)	-7.5	7.6	–	–	–	–	RNAV1
007	TF	ASTON	–	227 (219.2)	-7.5	9.9	–	–	–	–	RNAV1
008	TF	TETRA	–	297 (289.5)	-7.5	8.1	–	–	–	–	RNAV1

CHANGE : ALT Restriction on A4R23

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
A4L11	*355915.6N / 1401249.1E*	AA631	*353619.9N / 1404431.9E*
A4L12	*360232.6N / 1401646.8E*	AA632	*354446.7N / 1403828.9E*
A4L13	*360236.7N / 1402559.7E*	ARIES	*355607.4N / 1401505.9E*
A4L14	*355937.8N / 1403205.0E*	ASPEN	*353451.0N / 1403028.1E*
A4R21	*355529.4N / 1401729.2E*	ASTON	*354344.6N / 1402518.6E*
A4R22	*355734.5N / 1402150.1E*	BEAMS	*353533.0N / 1403153.1E*
A4R23	*355638.8N / 1402614.7E*	BOXER	*355213.0N / 1401951.6E*
A6L21	*353137.9N / 1403441.9E*	PEGAS	*355126.3N / 1403302.1E*
A6R11	*353056.9N / 1403316.2E*	PHLOX	*354556.6N / 1402246.1E*
A6R13	*352654.9N / 1402452.6E*	ROONY	*355317.4N / 1404024.4E*
A6R14	*353324.7N / 1402011.9E*	TETRA	*354626.4N / 1401555.8E*

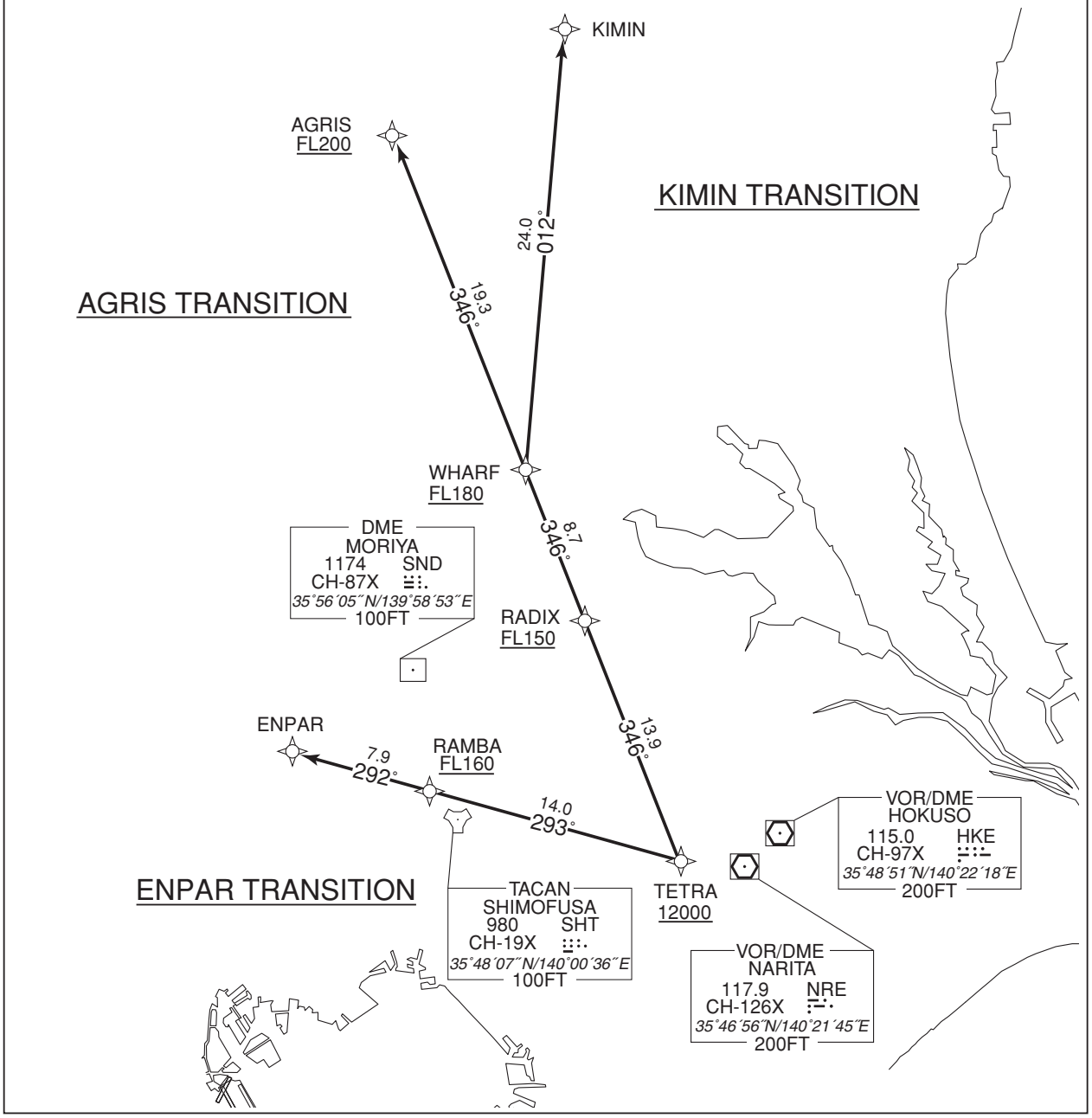
CHANGE : Update

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL — RNAV TRANSITION

AGRIS TRANSITION /KIMIN TRANSITION / ENPAR 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

VAR8°W(2019)



CHANGE : New PROC

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV TRANSITION

AGRIS TRANSITION

From TETRA at or above 12000FT, to RADIX at or above FL150, to WHARF at or above FL180, to AGRIS 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	TETRA	–	–	-7.5	–	–	+12000	–	–	RNAV1
002	TF	RADIX	–	346 (338.1)	-7.5	13.9	–	+FL150	–	–	RNAV1
003	TF	WHARF	–	346 (338.1)	-7.5	8.7	–	+FL180	–	–	RNAV1
004	TF	AGRIS	–	346 (338.0)	-7.5	19.3	–	+FL200	–	–	RNAV1

KIMIN TRANSITION

From TETRA at or above 12000FT, to RADIX at or above FL150, to WHARF at or above FL180, to KIMIN.

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	TETRA	–	–	-7.5	–	–	+12000	–	–	RNAV1
002	TF	RADIX	–	346 (338.1)	-7.5	13.9	–	+FL150	–	–	RNAV1
003	TF	WHARF	–	346 (338.1)	-7.5	8.7	–	+FL180	–	–	RNAV1
004	TF	KIMIN	–	012 (004.1)	-7.5	24.0	–	–	–	–	RNAV1

ENPAR TRANSITION

From TETRA at or above 12000FT, to RAMBA at or above FL160, to ENPAR.

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	TETRA	–	–	-7.5	–	–	+12000	–	–	RNAV1
002	TF	RAMBA	–	293 (285.1)	-7.5	14.0	–	+FL160	–	–	RNAV1
003	TF	ENPAR	–	292 (284.9)	-7.5	7.9	–	–	–	–	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AGRIS	*362514.7N / 1395633.1E*	RAMBA	*355003.7N / 1395917.7E*
ENPAR	*355205.2N / 1394954.3E*	TETRA	*354626.4N / 1401555.8E*
KIMIN	*363119.5N / 1400738.2E*	WHARF	*360722.6N / 1400531.1E*
RADIX	*355917.2N / 1400933.2E*		

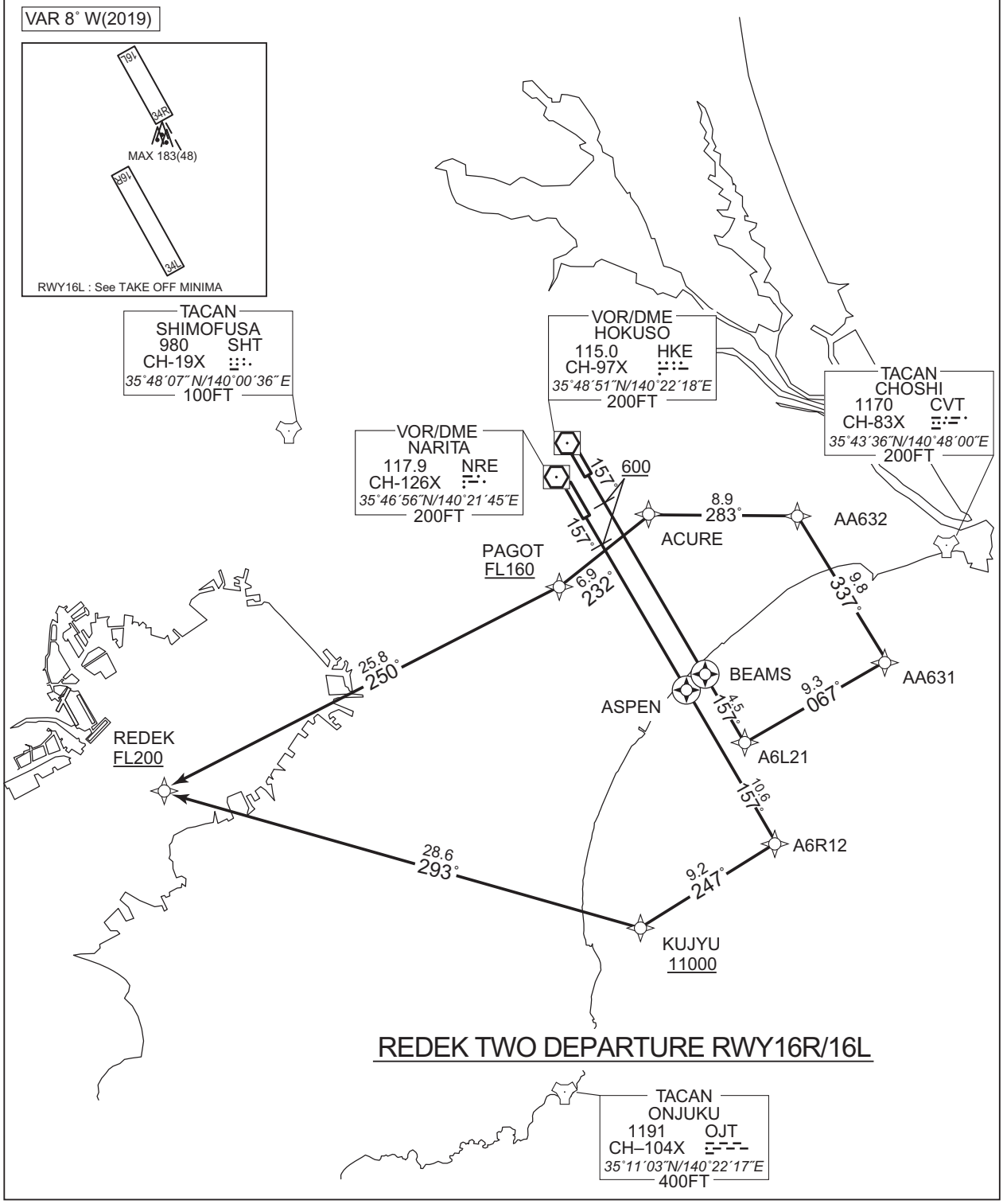
CHANGE : New PROC

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL — RNAV SID

REDEK TWO DEPARTURE	RNAV1

Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off rolling. 2) RADAR service required.	Critical DME	RWY16R:TLD DER – 1.3NM FM DER RWY16L :TLD DER – 3.4NM FM DER
	DME GAP	RWY34L :DER – 1.3NM FM DER
	Inappropriate Navaids	See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1

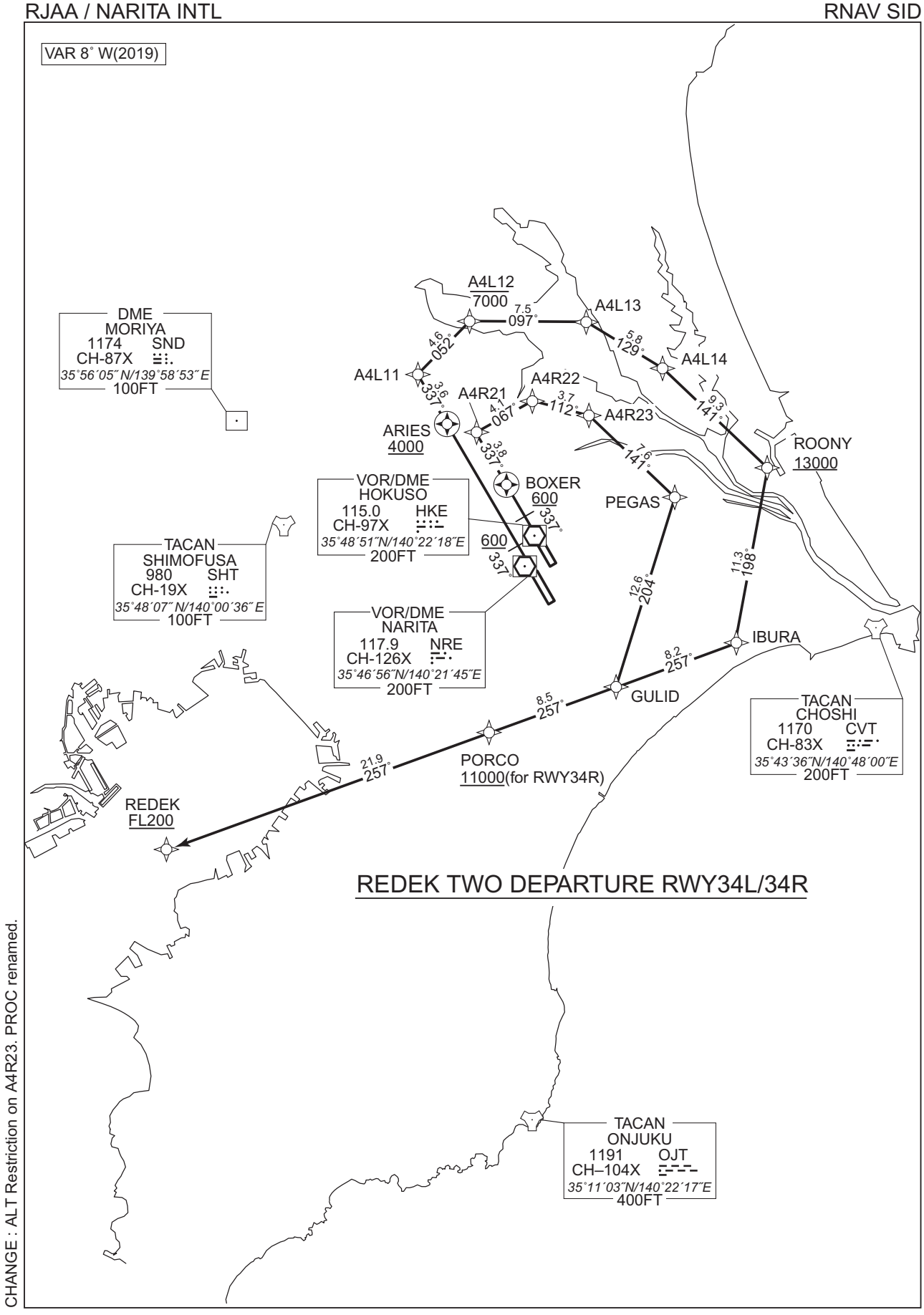


CHANGE : PROC renamed

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID



STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

REDEK TWO DEPARTURE

RWY16R : Climb on HDG 157˚ at or above 600FT, direct to ASPEN, to A6R12, to KUJYU at or above 11000FT, to REDEK at or above FL200.

RWY16L : Climb on HDG 157˚ at or above 600FT, direct to BEAMS, to A6L21, to AA631, to AA632, to ACURE, to PAGOT at or above FL160, to REDEK at or above FL200.

RWY34L : Climb on HDG 337˚ at or above 600FT, direct to ARIES at or above 4000FT, to A4L11, to A4L12 at or below 7000FT, to A4L13, to A4L14, to ROONY at or above 13000FT, to IBURA, to GULID, to PORCO, to REDEK at or above FL200.

RWY34R : Climb on HDG 337˚ at or above 600FT, direct to BOXER, to A4R21, to A4R22, to A4R23, to PEGAS, to GULID, to PORCO at or above 11000FT, to REDEK at or above FL200.

RWY16R *MUST be used for database coding.

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	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ASPEN	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6R12	–	157 (149.7)	-7.5	10.6	–	–	–	–	RNAV1
004	TF	KUJYU	–	247 (239.5)	-7.5	9.2	–	+11000	–	–	RNAV1
005	TF	REDEK	–	293 (285.7)	-7.5	28.6	–	+FL200	–	–	RNAV1

RWY16L *MUST be used for database coding.

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	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BEAMS	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6L21	–	157 (149.7)	-7.5	4.5	–	–	–	–	RNAV1
004	TF	AA631	–	067 (059.5)	-7.5	9.3	–	–	–	–	RNAV1
005	TF	AA632	–	337 (329.8)	-7.5	9.8	–	–	–	–	RNAV1
006	TF	ACURE	–	283 (275.3)	-7.5	8.9	–	–	–	–	RNAV1
007	TF	PAGOT	–	232 (224.1)	-7.5	6.9	–	+FL160	–	–	RNAV1
008	TF	REDEK	–	250 (242.6)	-7.5	25.8	–	+FL200	–	–	RNAV1

CHANGE : ALT Restriction on A4R23. PROC renamed.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

RWY34L *MUST be used for database coding.

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ARIES	Y	–	-7.5	–	–	+4000	–	–	RNAV1
003	TF	A4L11	–	337 (329.5)	-7.5	3.6	–	–	–	–	RNAV1
004	TF	A4L12	–	052 (044.3)	-7.5	4.6	–	-7000	–	–	RNAV1
005	TF	A4L13	–	097 (089.4)	-7.5	7.5	–	–	–	–	RNAV1
006	TF	A4L14	–	129 (121.2)	-7.5	5.8	–	–	–	–	RNAV1
007	TF	ROONY	–	141 (133.2)	-7.5	9.3	–	+13000	–	–	RNAV1
008	TF	IBURA	–	198 (190.0)	-7.5	11.3	–	–	–	–	RNAV1
009	TF	GULID	–	257 (249.8)	-7.5	8.2	–	–	–	–	RNAV1
010	TF	PORCO	–	257 (249.7)	-7.5	8.5	–	–	–	–	RNAV1
011	TF	REDEK	–	257 (249.6)	-7.5	21.9	–	+FL200	–	–	RNAV1

RWY34R *MUST be used for database coding.

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BOXER	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A4R21	–	337 (329.6)	-7.5	3.8	–	–	–	–	RNAV1
004	TF	A4R22	–	067 (059.3)	-7.5	4.1	–	–	–	–	RNAV1
005	TF	A4R23	–	112 (104.6)	-7.5	3.7	–	–	–	–	RNAV1
006	TF	PEGAS	–	141 (133.4)	-7.5	7.6	–	–	–	–	RNAV1
007	TF	GULID	–	204 (196.9)	-7.5	12.6	–	–	–	–	RNAV1
008	TF	PORCO	–	257 (249.7)	-7.5	8.5	–	+11000	–	–	RNAV1
009	TF	REDEK	–	257 (249.6)	-7.5	21.9	–	+FL200	–	–	RNAV1

CHANGE : ALT Restriction on A4R23.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
A4L11	*355915.6N / 1401249.1E*	ARIES	*355607.4N / 1401505.9E*
A4L12	*360232.6N / 1401646.8E*	ASPEN	*353451.0N / 1403028.1E*
A4L13	*360236.7N / 1402559.7E*	BEAMS	*353533.0N / 1403153.1E*
A4L14	*355937.8N / 1403205.0E*	BOXER	*355213.0N / 1401951.6E*
A4R21	*355529.4N / 1401729.2E*	GULID	*353921.3N / 1402830.3E*
A4R22	*355734.5N / 1402150.1E*	IBURA	*354212.1N / 1403759.5E*
A4R23	*355638.8N / 1402614.7E*	KUJYU	*352104.0N / 1402719.8E*
A6L21	*353137.9N / 1403441.9E*	PAGOT	*354039.6N / 1402139.4E*
A6R12	*352543.5N / 1403700.7E*	PORCO	*353624.3N / 1401843.5E*
AA631	*353619.9N / 1404431.9E*	PEGAS	*355126.3N / 1403302.1E*
AA632	*354446.7N / 1403828.9E*	REDEK	*352844.1N / 1395333.8E*
ACURE	*354535.6N / 1402732.3E*	ROONY	*355317.4N / 1404024.4E*

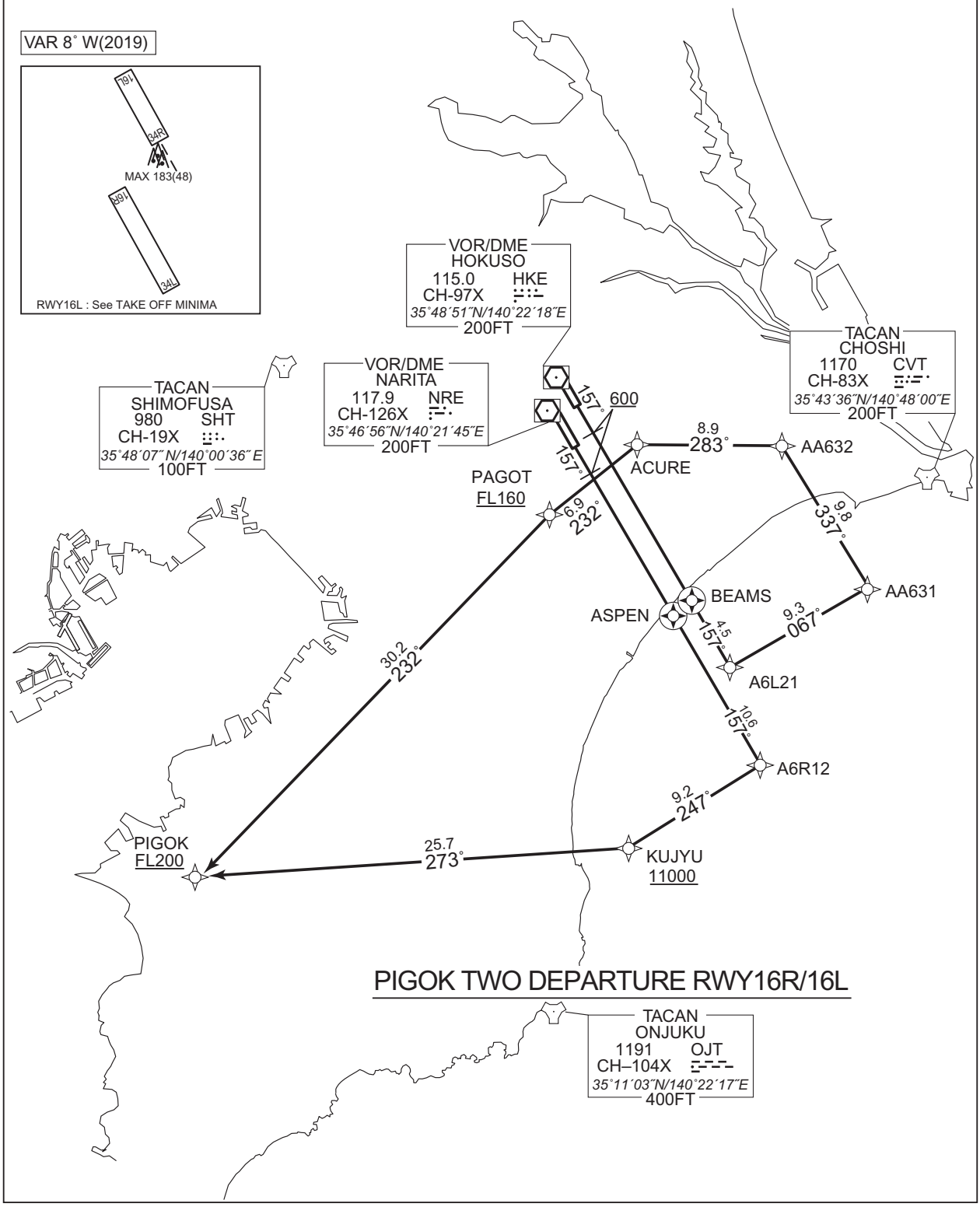
CHANGE : New PROC

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL — RNAV SID

PIGOK TWO DEPARTURE	RNAV1

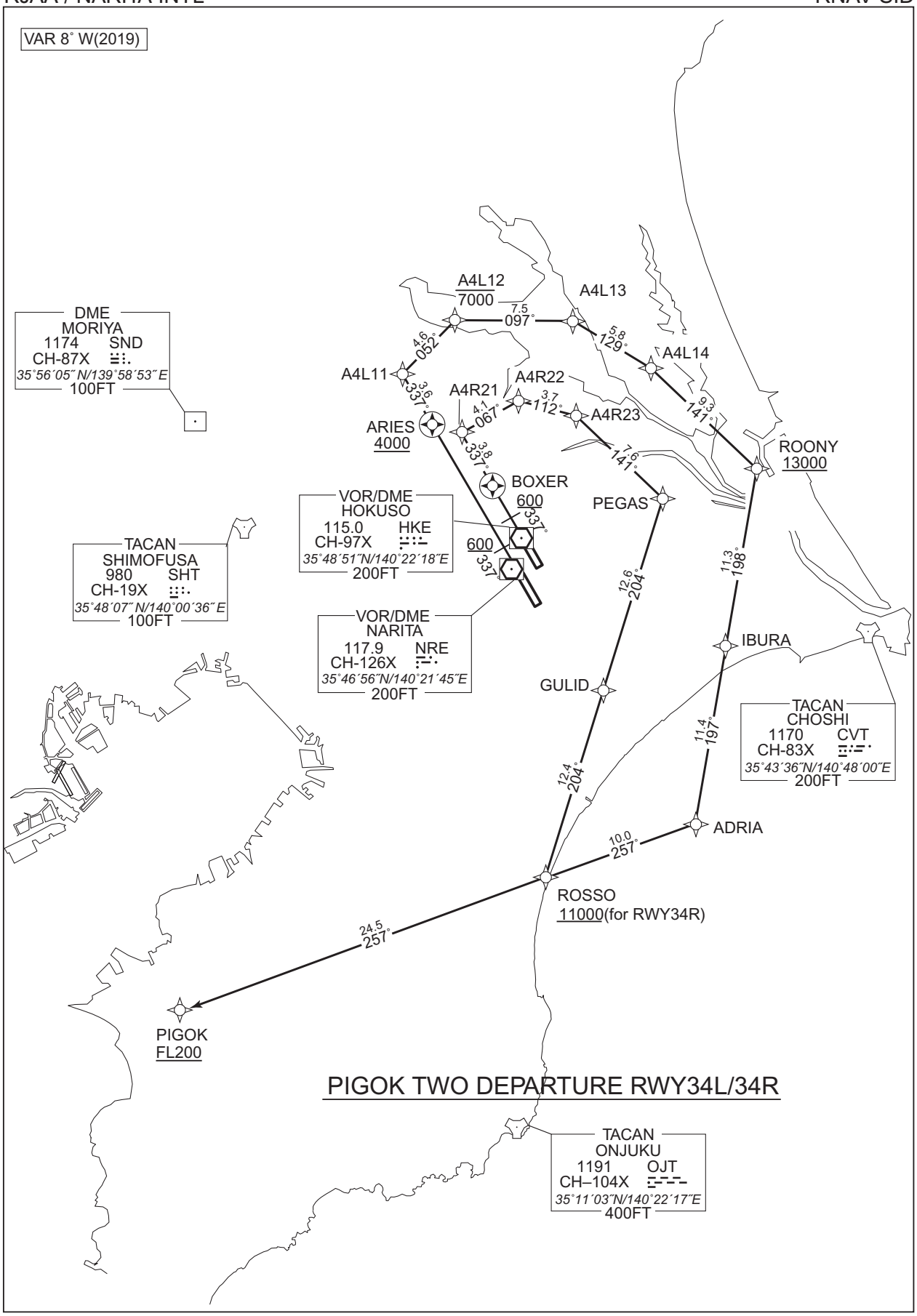
Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off rolling. 2) RADAR service required.	Critical DME	RWY16R:TLD DER – 1.3NM FM DER RWY16L:TLD DER – 3.4NM FM DER
	DME GAP	RWY34L :DER – 1.3NM FM DER
	Inappropriate Navaids	See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1



STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID



RJAA / NARITA INTL RNAV SID

PIGOK TWO DEPARTURE

RWY16R : Climb on HDG 157˚ at or above 600FT, direct to ASPEN, to A6R12, to KUJYU at or above 11000FT, to PIGOK at or above FL200.

RWY16L : Climb on HDG 157˚ at or above 600FT, direct to BEAMS, to A6L21, to AA631, to AA632, to ACURE, to PAGOT at or above FL160, to PIGOK at or above FL200.

RWY34L : Climb on HDG 337˚ at or above 600FT, direct to ARIES at or above 4000FT, to A4L11, to A4L12 at or below 7000FT, to A4L13, to A4L14, to ROONY at or above 13000FT, to IBURA, to ADRIA, to ROSSO, to PIGOK at or above FL200.

RWY34R : Climb on HDG 337˚ at or above 600FT, direct to BOXER, to A4R21, to A4R22, to A4R23, to PEGAS, to GULID, to ROSSO at or above 11000FT, to PIGOK at or above FL200.

RWY16R *MUST be used for database coding.

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	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ASPEN	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6R12	–	157 (149.7)	-7.5	10.6	–	–	–	–	RNAV1
004	TF	KUJYU	–	247 (239.5)	-7.5	9.2	–	+11000	–	–	RNAV1
005	TF	PIGOK	–	273 (265.3)	-7.5	25.7	–	+FL200	–	–	RNAV1

RWY16L *MUST be used for database coding.

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	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BEAMS	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6L21	–	157 (149.7)	-7.5	4.5	–	–	–	–	RNAV1
004	TF	AA631	–	067 (059.5)	-7.5	9.3	–	–	–	–	RNAV1
005	TF	AA632	–	337 (329.8)	-7.5	9.8	–	–	–	–	RNAV1
006	TF	ACURE	–	283 (275.3)	-7.5	8.9	–	–	–	–	RNAV1
007	TF	PAGOT	–	232 (224.1)	-7.5	6.9	–	+FL160	–	–	RNAV1
008	TF	PIGOK	–	232 (224.0)	-7.5	30.2	–	+FL200	–	–	RNAV1

CHANGE : ALT Restriction on A4R23. PROC renamed.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

RWY34L *MUST be used for database coding.

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ARIES	Y	–	-7.5	–	–	+4000	–	–	RNAV1
003	TF	A4L11	–	337 (329.5)	-7.5	3.6	–	–	–	–	RNAV1
004	TF	A4L12	–	052 (044.3)	-7.5	4.6	–	-7000	–	–	RNAV1
005	TF	A4L13	–	097 (089.4)	-7.5	7.5	–	–	–	–	RNAV1
006	TF	A4L14	–	129 (121.2)	-7.5	5.8	–	–	–	–	RNAV1
007	TF	ROONY	–	141 (133.2)	-7.5	9.3	–	+13000	–	–	RNAV1
008	TF	IBURA	–	198 (190.0)	-7.5	11.3	–	–	–	–	RNAV1
009	TF	ADRIA	–	197 (189.9)	-7.5	11.4	–	–	–	–	RNAV1
010	TF	ROSSO	–	257 (249.8)	-7.5	10.0	–	–	–	–	RNAV1
011	TF	PIGOK	–	257 (249.6)	-7.5	24.5	–	+FL200	–	–	RNAV1

RWY34R *MUST be used for database coding.

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BOXER	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A4R21	–	337 (329.6)	-7.5	3.8	–	–	–	–	RNAV1
004	TF	A4R22	–	067 (059.3)	-7.5	4.1	–	–	–	–	RNAV1
005	TF	A4R23	–	112 (104.6)	-7.5	3.7	–	–	–	–	RNAV1
006	TF	PEGAS	–	141 (133.4)	-7.5	7.6	–	–	–	–	RNAV1
007	TF	GULID	–	204 (196.9)	-7.5	12.6	–	–	–	–	RNAV1
008	TF	ROSSO	–	204 (196.9)	-7.5	12.4	–	+11000	–	–	RNAV1
009	TF	PIGOK	–	257 (249.6)	-7.5	24.5	–	+FL200	–	–	RNAV1

CHANGE : ALT Restriction on A4R23.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
A4L11	*355915.6N / 1401249.1E*	ARIES	*355607.4N / 1401505.9E*
A4L12	*360232.6N / 1401646.8E*	ASPEN	*353451.0N / 1403028.1E*
A4L13	*360236.7N / 1402559.7E*	BEAMS	*353533.0N / 1403153.1E*
A4L14	*355937.8N / 1403205.0E*	BOXER	*355213.0N / 1401951.6E*
A4R21	*355529.4N / 1401729.2E*	GULID	*353921.3N / 1402830.3E*
A4R22	*355734.5N / 1402150.1E*	IBURA	*354212.1N / 1403759.5E*
A4R23	*355638.8N / 1402614.7E*	KUJYU	*352104.0N / 1402719.8E*
A6L21	*353137.9N / 1403441.9E*	PAGOT	*354039.6N / 1402139.4E*
A6R12	*352543.5N / 1403700.7E*	PEGAS	*355126.3N / 1403302.1E*
AA631	*353619.9N / 1404431.9E*	PIGOK	*351854.3N / 1395555.6E*
AA632	*354446.7N / 1403828.9E*	ROONY	*355317.4N / 1404024.4E*
ACURE	*354535.6N / 1402732.3E*	ROSSO	*352729.0N / 1402404.4E*
ADRIA	*353056.8N / 1403534.3E*		

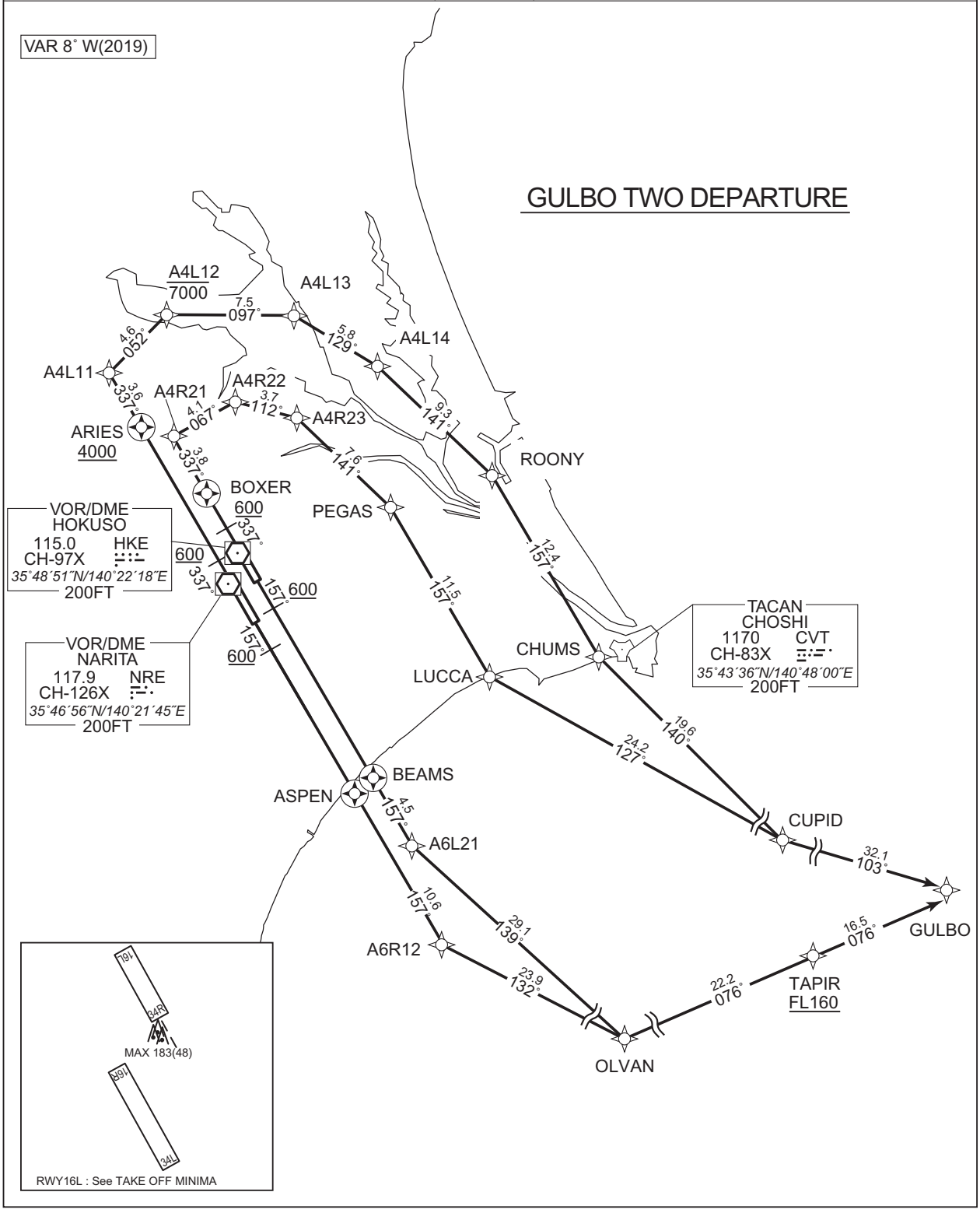
CHANGE : New PROC

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL — RNAV SID

GULBO TWO DEPARTURE	RNAV1

Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off rolling. 2) RADAR service required.	Critical DME	RWY16R:TLD DER – 1.3NM FM DER RWY16L:TLD DER – 3.4NM FM DER
	DME GAP	RWY34L :DER – 1.3NM FM DER
	Inappropriate Navaids	See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1



CHANGE : ALT Restriction on A4R23. PROC renamed.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

GULBO TWO DEPARTURE

RWY16R : Climb on HDG 157˚ at or above 600FT, direct to ASPEN, to A6R12, to OLVAN, to TAPIR at or above FL160, to GULBO.

RWY16L : Climb on HDG 157˚ at or above 600FT, direct to BEAMS, to A6L21, to OLVAN, to TAPIR at or above FL160, to GULBO.

RWY34L : Climb on HDG 337˚ at or above 600FT, direct to ARIES at or above 4000FT, to A4L11, to A4L12 at or below 7000FT, to A4L13, to A4L14, to ROONY, to CHUMS, to CUPID, to GULBO.

RWY34R : Climb on HDG 337˚ at or above 600FT, direct to BOXER, to A4R21, to A4R22, to A4R23, to PEGAS, to LUCCA, to CUPID, to GULBO.

RWY16R *MUST be used for database coding.

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	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ASPEN	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6R12	–	157 (149.7)	-7.5	10.6	–	–	–	–	RNAV1
004	TF	OLVAN	–	132 (124.2)	-7.5	23.9	–	–	–	–	RNAV1
005	TF	TAPIR	–	076 (068.0)	-7.5	22.2	–	+FL160	–	–	RNAV1
006	TF	GULBO	–	076 (068.3)	-7.5	16.5	–	–	–	–	RNAV1

RWY16L *MUST be used for database coding.

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	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BEAMS	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6L21	–	157 (149.7)	-7.5	4.5	–	–	–	–	RNAV1
004	TF	OLVAN	–	139 (131.8)	-7.5	29.1	–	–	–	–	RNAV1
005	TF	TAPIR	–	076 (068.0)	-7.5	22.2	–	+FL160	–	–	RNAV1
006	TF	GULBO	–	076 (068.3)	-7.5	16.5	–	–	–	–	RNAV1

CHANGE : ALT Restriction on A4R23. PROC renamed.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL

RNAV SID

RWY34L *MUST be used for database coding.

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ARIES	Y	–	-7.5	–	–	+4000	–	–	RNAV1
003	TF	A4L11	–	337 (329.5)	-7.5	3.6	–	–	–	–	RNAV1
004	TF	A4L12	–	052 (044.3)	-7.5	4.6	–	-7000	–	–	RNAV1
005	TF	A4L13	–	097 (089.4)	-7.5	7.5	–	–	–	–	RNAV1
006	TF	A4L14	–	129 (121.2)	-7.5	5.8	–	–	–	–	RNAV1
007	TF	ROONY	–	141 (133.2)	-7.5	9.3	–	–	–	–	RNAV1
008	TF	CHUMS	–	157 (149.7)	-7.5	12.4	–	–	–	–	RNAV1
009	TF	CUPID	–	140 (132.0)	-7.5	19.6	–	–	–	–	RNAV1
010	TF	GULBO	–	103 (095.1)	-7.5	32.1	–	–	–	–	RNAV1

RWY34R *MUST be used for database coding.

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BOXER	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A4R21	–	337 (329.6)	-7.5	3.8	–	–	–	–	RNAV1
004	TF	A4R22	–	067 (059.3)	-7.5	4.1	–	–	–	–	RNAV1
005	TF	A4R23	–	112 (104.6)	-7.5	3.7	–	–	–	–	RNAV1
006	TF	PEGAS	–	141 (133.4)	-7.5	7.6	–	–	–	–	RNAV1
007	TF	LUCCA	–	157 (149.6)	-7.5	11.5	–	–	–	–	RNAV1
008	TF	CUPID	–	127 (119.8)	-7.5	24.2	–	–	–	–	RNAV1
009	TF	GULBO	–	103 (095.1)	-7.5	32.1	–	–	–	–	RNAV1

CHANGE : ALT Restriction on A4R23.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
A4L11	*355915.6N / 1401249.1E*	BEAMS	*353533.0N / 1403153.1E*
A4L12	*360232.6N / 1401646.8E*	BOXER	*355213.0N / 1401951.6E*
A4L13	*360236.7N / 1402559.7E*	CHUMS	*354237.0N / 1404806.0E*
A4L14	*355937.8N / 1403205.0E*	CUPID	*352930.3N / 1410557.3E*
A4R21	*355529.4N / 1401729.2E*	GULBO	*352632.9N / 1414509.6E*
A4R22	*355734.5N / 1402150.1E*	LUCCA	*354132.8N / 1404011.4E*
A4R23	*355638.8N / 1402614.7E*	OLVAN	*351214.1N / 1410111.3E*
A6L21	*353137.9N / 1403441.9E*	PEGAS	*355126.3N / 1403302.1E*
A6R12	*352543.5N / 1403700.7E*	ROONY	*355317.4N / 1404024.4E*
ARIES	*355607.4N / 1401505.9E*	TAPIR	*352028.5N / 1412621.9E*
ASPEN	*353451.0N / 1403028.1E*		

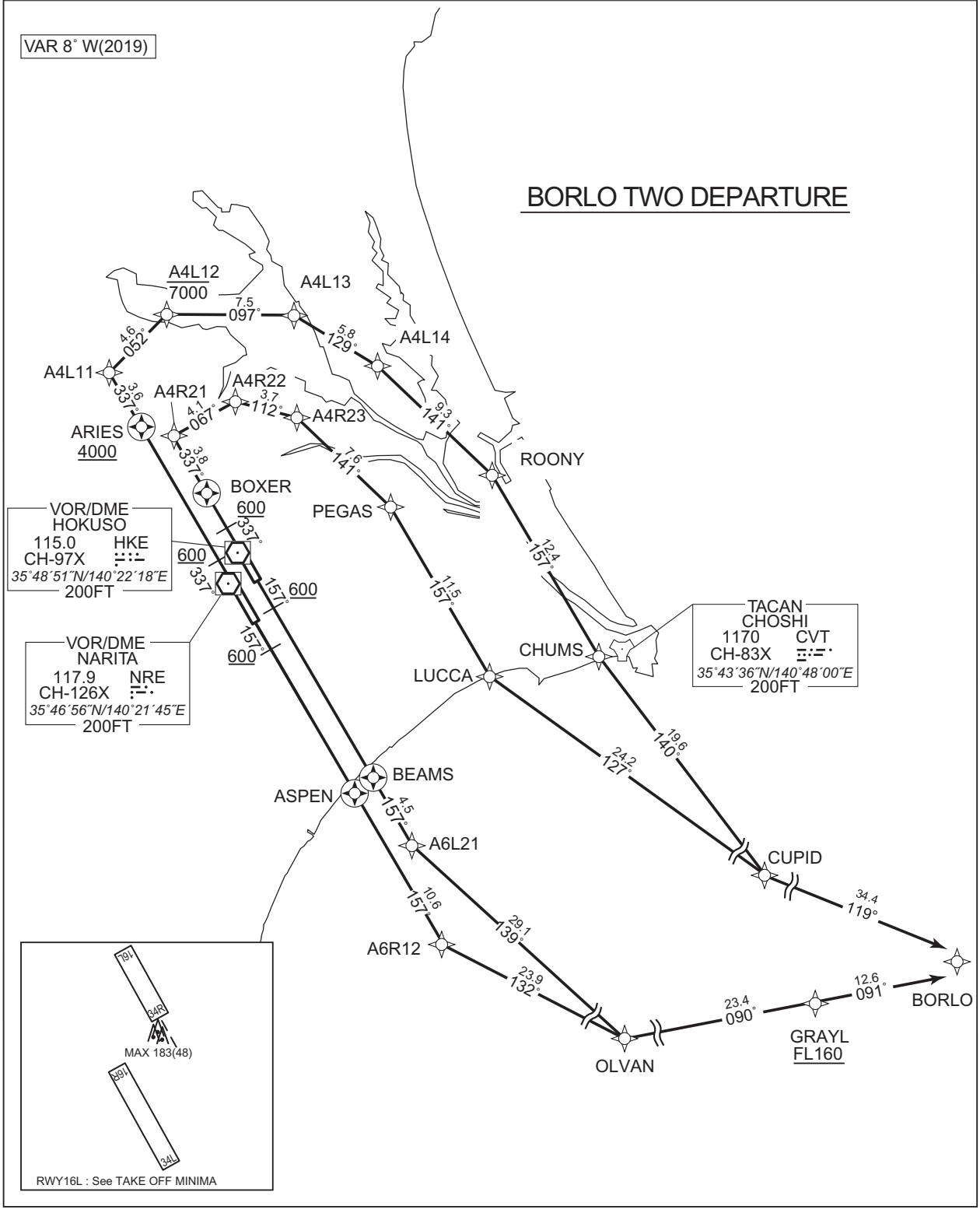
CHANGE : New PROC

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL — RNAV SID

BORLO TWO DEPARTURE	RNAV1

Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off rolling. 2) RADAR service required.	Critical DME	RWY16R:TLD DER – 1.3NM FM DER RWY16L:TLD DER – 3.4NM FM DER
	DME GAP	RWY34L :DER – 1.3NM FM DER
	Inappropriate Navaids	See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1



CHANGE : ALT Restriction on A4R23. PROC renamed.

RJAA / NARITA INTL RNAV SID

BORLO TWO DEPARTURE

RWY16R : Climb on HDG 157˚ at or above 600FT, direct to ASPEN, to A6R12, to OLVAN, to GRAYL at or above FL160, to BORLO.

RWY16L : Climb on HDG 157˚ at or above 600FT, direct to BEAMS, to A6L21, to OLVAN, to GRAYL at or above FL160, to BORLO.

RWY34L : Climb on HDG 337˚ at or above 600FT, direct to ARIES at or above 4000FT, to A4L11, to A4L12 at or below 7000FT, to A4L13, to A4L14, to ROONY, to CHUMS, to CUPID, to BORLO.

RWY34R : Climb on HDG 337˚ at or above 600FT, direct to BOXER, to A4R21, to A4R22, to A4R23, to PEGAS, to LUCCA, to CUPID, to BORLO.

RWY16R *MUST be used for database coding.

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	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ASPEN	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6R12	–	157 (149.7)	-7.5	10.6	–	–	–	–	RNAV1
004	TF	OLVAN	–	132 (124.2)	-7.5	23.9	–	–	–	–	RNAV1
005	TF	GRAYL	–	090 (082.9)	-7.5	23.4	–	+FL160	–	–	RNAV1
006	TF	BORLO	–	091 (083.2)	-7.5	12.6	–	–	–	–	RNAV1

RWY16L *MUST be used for database coding.

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	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BEAMS	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6L21	–	157 (149.7)	-7.5	4.5	–	–	–	–	RNAV1
004	TF	OLVAN	–	139 (131.8)	-7.5	29.1	–	–	–	–	RNAV1
005	TF	GRAYL	–	090 (082.9)	-7.5	23.4	–	+FL160	–	–	RNAV1
006	TF	BORLO	–	091 (083.2)	-7.5	12.6	–	–	–	–	RNAV1

CHANGE : ALT Restriction on A4R23. PROC renamed.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

RWY34L *MUST be used for database coding.

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ARIES	Y	–	-7.5	–	–	+4000	–	–	RNAV1
003	TF	A4L11	–	337 (329.5)	-7.5	3.6	–	–	–	–	RNAV1
004	TF	A4L12	–	052 (044.3)	-7.5	4.6	–	-7000	–	–	RNAV1
005	TF	A4L13	–	097 (089.4)	-7.5	7.5	–	–	–	–	RNAV1
006	TF	A4L14	–	129 (121.2)	-7.5	5.8	–	–	–	–	RNAV1
007	TF	ROONY	–	141 (133.2)	-7.5	9.3	–	–	–	–	RNAV1
008	TF	CHUMS	–	157 (149.7)	-7.5	12.4	–	–	–	–	RNAV1
009	TF	CUPID	–	140 (132.0)	-7.5	19.6	–	–	–	–	RNAV1
010	TF	BORLO	–	119 (111.9)	-7.5	34.4	–	–	–	–	RNAV1

RWY34R *MUST be used for database coding.

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BOXER	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A4R21	–	337 (329.6)	-7.5	3.8	–	–	–	–	RNAV1
004	TF	A4R22	–	067 (059.3)	-7.5	4.1	–	–	–	–	RNAV1
005	TF	A4R23	–	112 (104.6)	-7.5	3.7	–	–	–	–	RNAV1
006	TF	PEGAS	–	141 (133.4)	-7.5	7.6	–	–	–	–	RNAV1
007	TF	LUCCA	–	157 (149.6)	-7.5	11.5	–	–	–	–	RNAV1
008	TF	CUPID	–	127 (119.8)	-7.5	24.2	–	–	–	–	RNAV1
009	TF	BORLO	–	119 (111.9)	-7.5	34.4	–	–	–	–	RNAV1

CHANGE : ALT Restriction on A4R23

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

Waypoint Coordinates

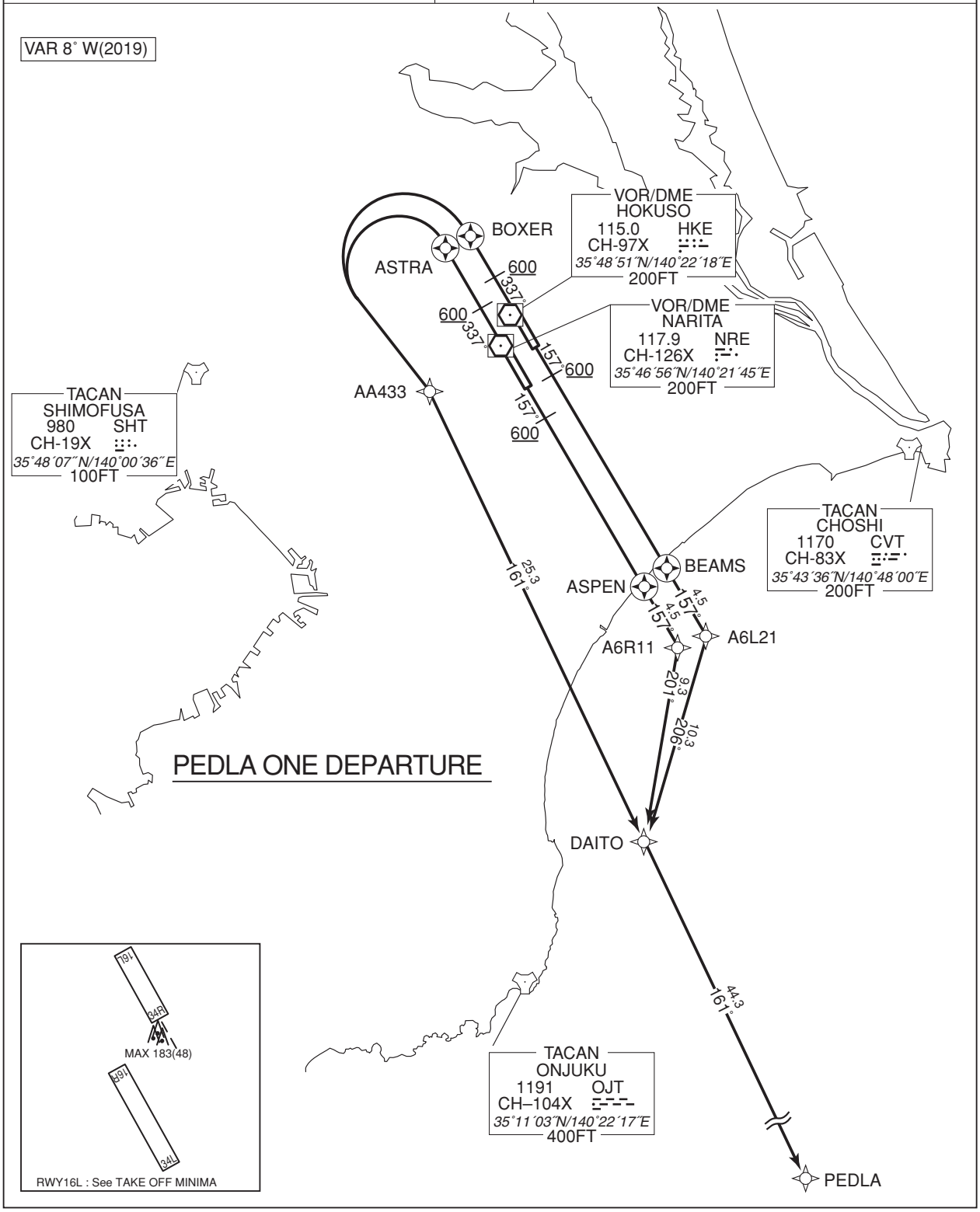
Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
A4L11	*355915.6N / 1401249.1E*	BEAMS	*353533.0N / 1403153.1E*
A4L12	*360232.6N / 1401646.8E*	BORLO	*351633.8N / 1414455.6E*
A4L13	*360236.7N / 1402559.7E*	BOXER	*355213.0N / 1401951.6E*
A4L14	*355937.8N / 1403205.0E*	CHUMS	*354237.0N / 1404806.0E*
A4R21	*355529.4N / 1401729.2E*	CUPID	*352930.3N / 1410557.3E*
A4R22	*355734.5N / 1402150.1E*	GRAYL	*351504.8N / 1412938.0E*
A4R23	*355638.8N / 1402614.7E*	LUCCA	*354132.8N / 1404011.4E*
A6L21	*353137.9N / 1403441.9E*	OLVAN	*351214.1N / 1410111.3E*
A6R12	*352543.5N / 1403700.7E*	PEGAS	*355126.3N / 1403302.1E*
ARIES	*355607.4N / 1401505.9E*	ROONY	*355317.4N / 1404024.4E*
ASPEN	*353451.0N / 1403028.1E*		

CHANGE : New PROC

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL — RNAV SID

PEDLA ONE DEPARTURE		RNAV1
Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off rolling. 2) RADAR service required.	Critical DME	RWY16R:TLD DER – 1.3NM FM DER RWY16L:TLD DER – 3.4NM FM DER
	DME GAP	RWY34L :DER – 1.3NM FM DER
	Inappropriate Navaids	See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1



STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

PEDLA ONE DEPARTURE

RWY16R : Climb on HDG 157˚ at or above 600FT, direct to ASPEN, to A6R11, to DAITO, to PEDLA.

RWY16L : Climb on HDG 157˚ at or above 600FT, direct to BEAMS, to A6L21, to DAITO, to PEDLA.

RWY34L : Climb on HDG 337˚ at or above 600FT, direct to ASTRA, turn left direct to AA433, to DAITO, to PEDLA.

RWY34R : Climb on HDG 337˚ at or above 600FT, direct to BOXER, turn left direct to AA433, to DAITO, to PEDLA.

RWY16R

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ASPEN	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6R11	–	157 (149.7)	-7.5	4.5	–	–	–	–	RNAV1
004	TF	DAITO	–	201 (193.3)	-7.5	9.3	–	–	–	–	RNAV1
005	TF	PEDLA	–	161 (153.9)	-7.5	44.3	–	–	–	–	RNAV1

RWY16L

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BEAMS	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6L21	–	157 (149.7)	-7.5	4.5	–	–	–	–	RNAV1
004	TF	DAITO	–	206 (198.7)	-7.5	10.3	–	–	–	–	RNAV1
005	TF	PEDLA	–	161 (153.9)	-7.5	44.3	–	–	–	–	RNAV1

CHANGE : New PROC

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

RWY34L

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ASTRA	Y	–	-7.5	–	–	–	–	–	RNAV1
003	DF	AA433	–	–	-7.5	–	L	–	–	–	RNAV1
004	TF	DAITO	–	161 (153.9)	-7.5	25.3	–	–	–	–	RNAV1
005	TF	PEDLA	–	161 (153.9)	-7.5	44.3	–	–	–	–	RNAV1

RWY34R

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BOXER	Y	–	-7.5	–	–	–	–	–	RNAV1
003	DF	AA433	–	–	-7.5	–	L	–	–	–	RNAV1
004	TF	DAITO	–	161 (153.9)	-7.5	25.3	–	–	–	–	RNAV1
005	TF	PEDLA	–	161 (153.9)	-7.5	44.3	–	–	–	–	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AA433	*354438.5N / 1401700.8E*	BEAMS	*353533.0N / 1403153.1E*
A6L21	*353137.9N / 1403441.9E*	BOXER	*355213.0N / 1401951.6E*
A6R11	*353056.9N / 1403316.2E*	DAITO	*352153.6N / 1403039.0E*
ASPEN	*353451.0N / 1403028.1E*	PEDLA	*344203.7N / 1405420.5E*
ASTRA	*355207.1N / 1401800.2E*		

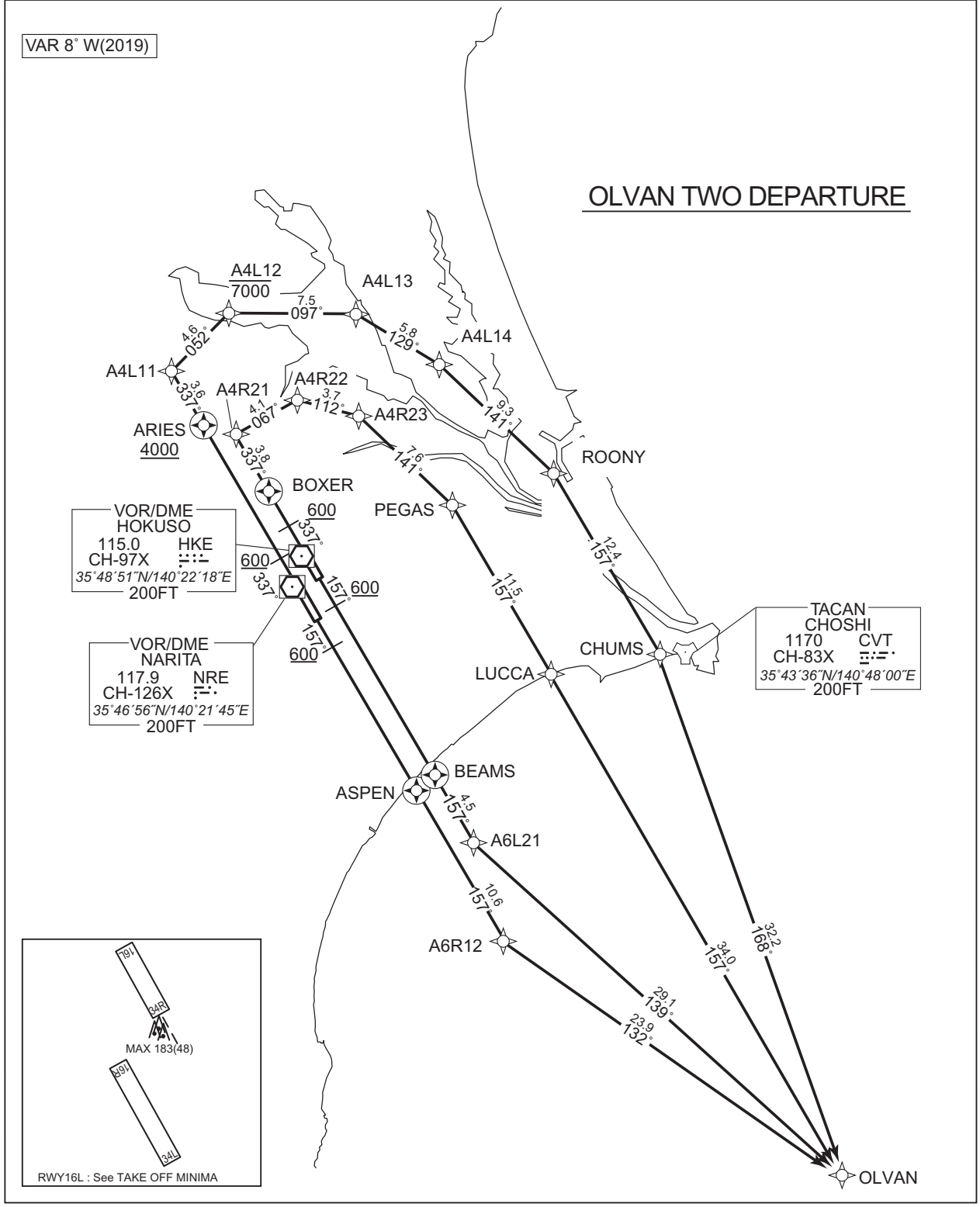
CHANGE : New PROC

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL — RNAV SID

OLVAN TWO DEPARTURE	RNAV1

Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off rolling. 2) RADAR service required.	Critical DME	RWY16R:TLD DER – 1.3NM FM DER RWY16L:TLD DER – 3.4NM FM DER
	DME GAP	RWY34L :DER – 1.3NM FM DER
	Inappropriate Navaids	See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1



CHANGE : ALT Restriction on A4R23. PROC renamed.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

OLVAN TWO DEPARTURE

RWY16R : Climb on HDG 157˚ at or above 600FT, direct to ASPEN, to A6R12, to OLVAN.

RWY16L : Climb on HDG 157˚ at or above 600FT, direct to BEAMS, to A6L21, to OLVAN.

RWY34L : Climb on HDG 337˚ at or above 600FT, direct to ARIES at or above 4000FT, to A4L11, to A4L12 at or below 7000FT, to A4L13, to A4L14, to ROONY, to CHUMS, to OLVAN.

RWY34R : Climb on HDG 337˚ at or above 600FT, direct to BOXER, to A4R21, to A4R22, to A4R23, to PEGAS, to LUCCA, to OLVAN.

RWY16R *MUST be used for database coding.

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	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ASPEN	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6R12	–	157 (149.7)	-7.5	10.6	–	–	–	–	RNAV1
004	TF	OLVAN	–	132 (124.2)	-7.5	23.9	–	–	–	–	RNAV1

RWY16L *MUST be used for database coding.

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	–	–	157 (149.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BEAMS	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A6L21	–	157 (149.7)	-7.5	4.5	–	–	–	–	RNAV1
004	TF	OLVAN	–	139 (131.8)	-7.5	29.1	–	–	–	–	RNAV1

CHANGE : ALT Restriction on A4R23. PROC renamed.

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV SID

RWY34L *MUST be used for database coding.

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	ARIES	Y	–	-7.5	–	–	+4000	–	–	RNAV1
003	TF	A4L11	–	337 (329.5)	-7.5	3.6	–	–	–	–	RNAV1
004	TF	A4L12	–	052 (044.3)	-7.5	4.6	–	-7000	–	–	RNAV1
005	TF	A4L13	–	097 (089.4)	-7.5	7.5	–	–	–	–	RNAV1
006	TF	A4L14	–	129 (121.2)	-7.5	5.8	–	–	–	–	RNAV1
007	TF	ROONY	–	141 (133.2)	-7.5	9.3	–	–	–	–	RNAV1
008	TF	CHUMS	–	157 (149.7)	-7.5	12.4	–	–	–	–	RNAV1
009	TF	OLVAN	–	168 (160.6)	-7.5	32.2	–	–	–	–	RNAV1

RWY34R *MUST be used for database coding.

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	–	–	337 (329.6)	-7.5	–	–	+600	–	–	RNAV1
002	DF	BOXER	Y	–	-7.5	–	–	–	–	–	RNAV1
003	TF	A4R21	–	337 (329.6)	-7.5	3.8	–	–	–	–	RNAV1
004	TF	A4R22	–	067 (059.3)	-7.5	4.1	–	–	–	–	RNAV1
005	TF	A4R23	–	112 (104.6)	-7.5	3.7	–	–	–	–	RNAV1
006	TF	PEGAS	–	141 (133.4)	-7.5	7.6	–	–	–	–	RNAV1
007	TF	LUCCA	–	157 (149.6)	-7.5	11.5	–	–	–	–	RNAV1
008	TF	OLVAN	–	157 (149.6)	-7.5	34.0	–	–	–	–	RNAV1

Waypoint Coordinates

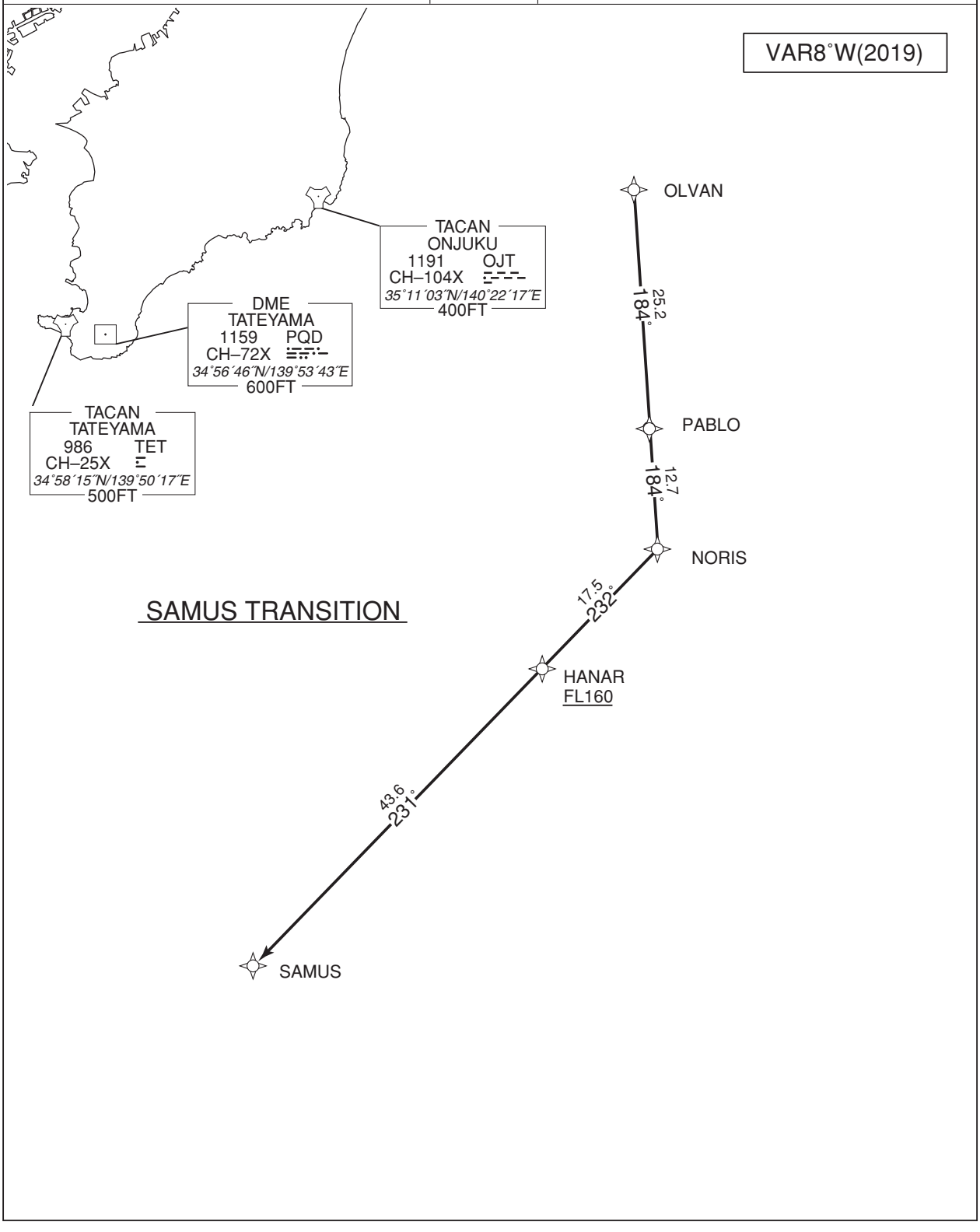
Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
A4L11	*355915.6N / 1401249.1E*	ARIES	*355607.4N / 1401505.9E*
A4L12	*360232.6N / 1401646.8E*	ASPEN	*353451.0N / 1403028.1E*
A4L13	*360236.7N / 1402559.7E*	BEAMS	*353533.0N / 1403153.1E*
A4L14	*355937.8N / 1403205.0E*	BOXER	*355213.0N / 1401951.6E*
A4R21	*355529.4N / 1401729.2E*	CHUMS	*354237.0N / 1404806.0E*
A4R22	*355734.5N / 1402150.1E*	LUCCA	*354132.8N / 1404011.4E*
A4R23	*355638.8N / 1402614.7E*	OLVAN	*351214.1N / 1410111.3E*
A6L21	*353137.9N / 1403441.9E*	PEGAS	*355126.3N / 1403302.1E*
A6R12	*352543.5N / 1403700.7E*	ROONY	*355317.4N / 1404024.4E*

CHANGE : ALT Restriction on A4R23

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL — RNAV TRANSITION

SAMUS 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 : New PROC

STANDARD DEPARTURE CHART -INSTRUMENT

RJAA / NARITA INTL RNAV TRANSITION

SAMUS TRANSITION

From OLVAN, to PABLO, to NORIS, to HANAR at or above FL160, to SAMUS.

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	OLVAN	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	PABLO	–	184 (176.3)	-7.5	25.2	–	–	–	–	RNAV1
003	TF	NORIS	–	184 (176.3)	-7.5	12.7	–	–	–	–	RNAV1
004	TF	HANAR	–	232 (224.0)	-7.5	17.5	–	+FL160	–	–	RNAV1
005	TF	SAMUS	–	231 (223.8)	-7.5	43.6	–	–	–	–	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
HANAR	*342149.9N / 1404923.3E*	PABLO	*344705.1N / 1410309.6E*
NORIS	*343426.6N / 1410408.5E*	SAMUS	*335020.0N / 1401305.0E*
OLVAN	*351214.1N / 1410111.3E*		

CHANGE : New PROC

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STANDARD ARRIVAL CHART -INSTRUMENT

RJAA / NARITA INTL STAR

ABBOT SOUTH ALFA ARRIVAL

From over ABBOT, via NRE R093 to WEBBS, via NRE 21.0DME clockwise ARC to intercept and proceed via NRE R157 to GIINA.
Cross GIINA at 4000FT.

ABBOT SOUTH BRAVO ARRIVAL

From over ABBOT, via NRE R093 to WEBBS, via NRE 21.0DME clockwise ARC to intercept and proceed via HKE R157 to TEMIS.
Cross TEMIS at or above 5000FT.

BINKS SOUTH ALFA ARRIVAL

From over BINKS, via HDG007˚ to intercept and proceed via NRE R157 to GIINA.
Cross GIINA at 4000FT.

BINKS SOUTH BRAVO ARRIVAL

From over BINKS, via HDG007˚ to intercept and proceed via HKE R157 to TEMIS.
Cross TEMIS at or above 5000FT.

SWAMP SOUTH ALFA ARRIVAL

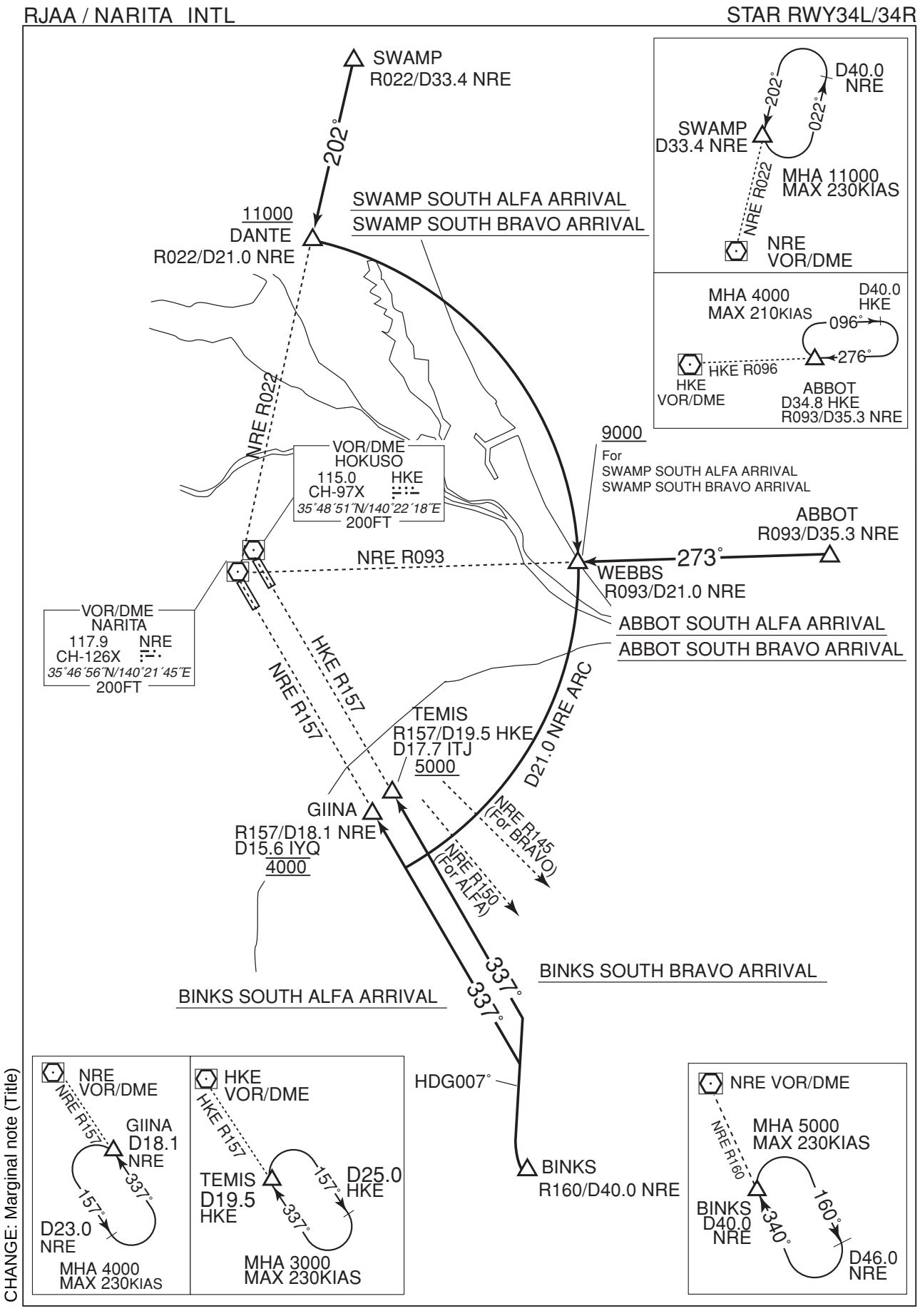
From over SWAMP, via NRE R022 to DANTE, via NRE 21.0DME clockwise ARC to intercept and proceed via NRE R157 to GIINA via WEBBS.
Cross DANTE at or above 11000FT, cross WEBBS at or above 9000FT, cross GIINA at 4000FT.

SWAMP SOUTH BRAVO ARRIVAL

From over SWAMP, via NRE R022 to DANTE, via NRE 21.0DME clockwise ARC to intercept and proceed via HKE R157 to TEMIS via WEBBS.
Cross DANTE at or above 11000FT, cross WEBBS at or above 9000FT, cross TEMIS at or above 5000FT.

CHANGE : Correction of misdescription(procced → proceed)

STANDARD ARRIVAL CHART -INSTRUMENT



STANDARD ARRIVAL CHART -INSTRUMENT

RJAA / NARITA INTL STAR

ABBOT NORTH ARRIVAL

From over ABBOT, via NRE R093 to intercept and proceed via NRE 12.8DME counterclockwise ARC to LAKES.

Cross LAKES at or above 6000FT.

BINKS NORTH ARRIVAL

From over BINKS, via NRE R160 to intercept and proceed via NRE 21.0DME counterclockwise ARC to WEBBS, via NRE R093 to intercept and proceed via NRE 12.8DME counterclockwise ARC to LAKES.

Cross LAKES at or above 6000FT.

LAKES NORTH ARRIVAL

From over SWAMP, via NRE R022 to DANTE, via NRE 21.0DME clockwise ARC to WEBBS, via NRE R093 to intercept and proceed via NRE 12.8DME counterclockwise ARC to LAKES.

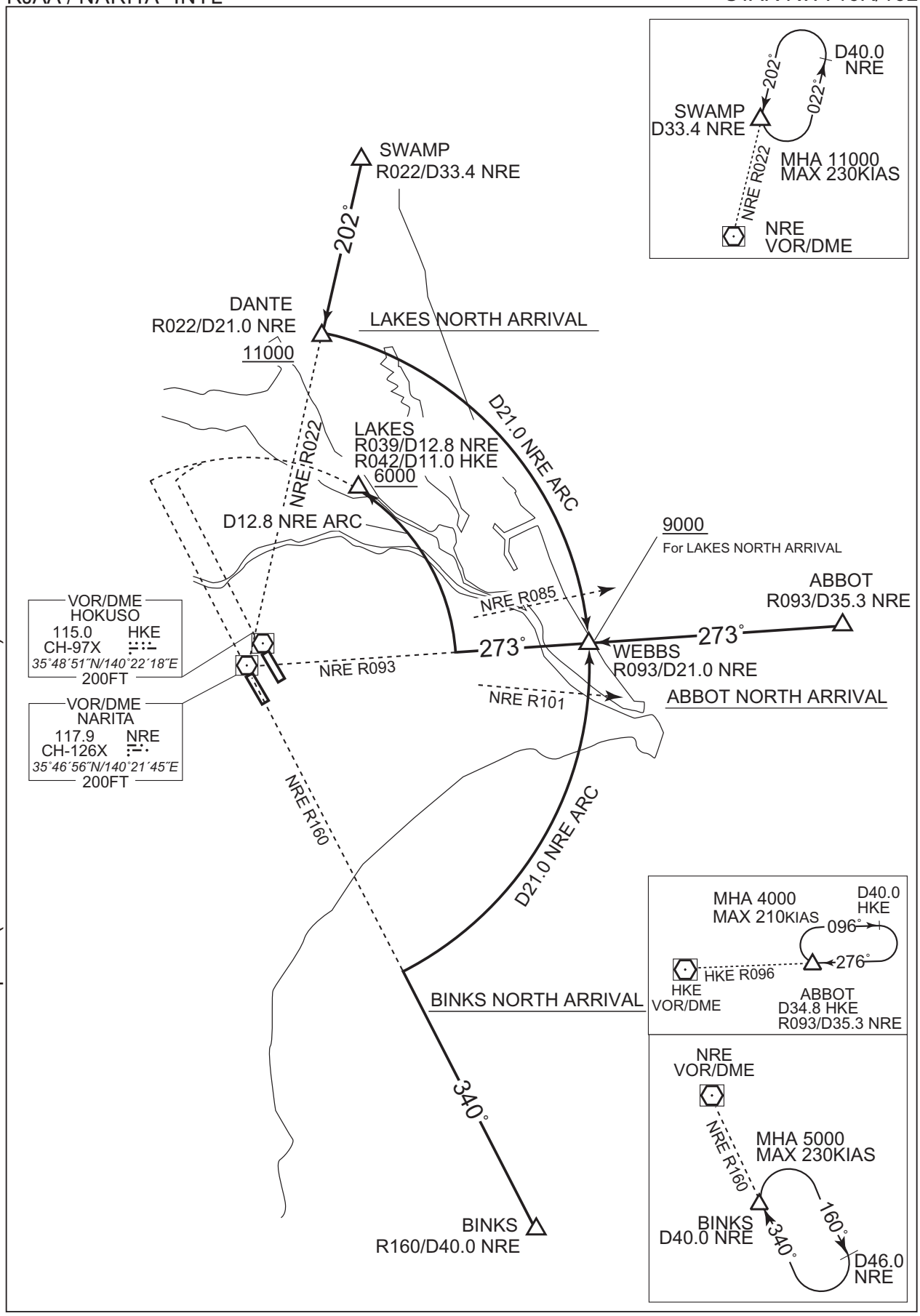
Cross DANTE at or above 11000FT, cross WEBBS at or above 9000FT, cross LAKES at or above 6000FT.

CHANGE : Correction of misdescription(procced → proceed)

STANDARD ARRIVAL CHART -INSTRUMENT

RJAA / NARITA INTL

STAR RWY16R/16L



CHANGE : Correction of misdescription (Altitude restriction on WEBBS)

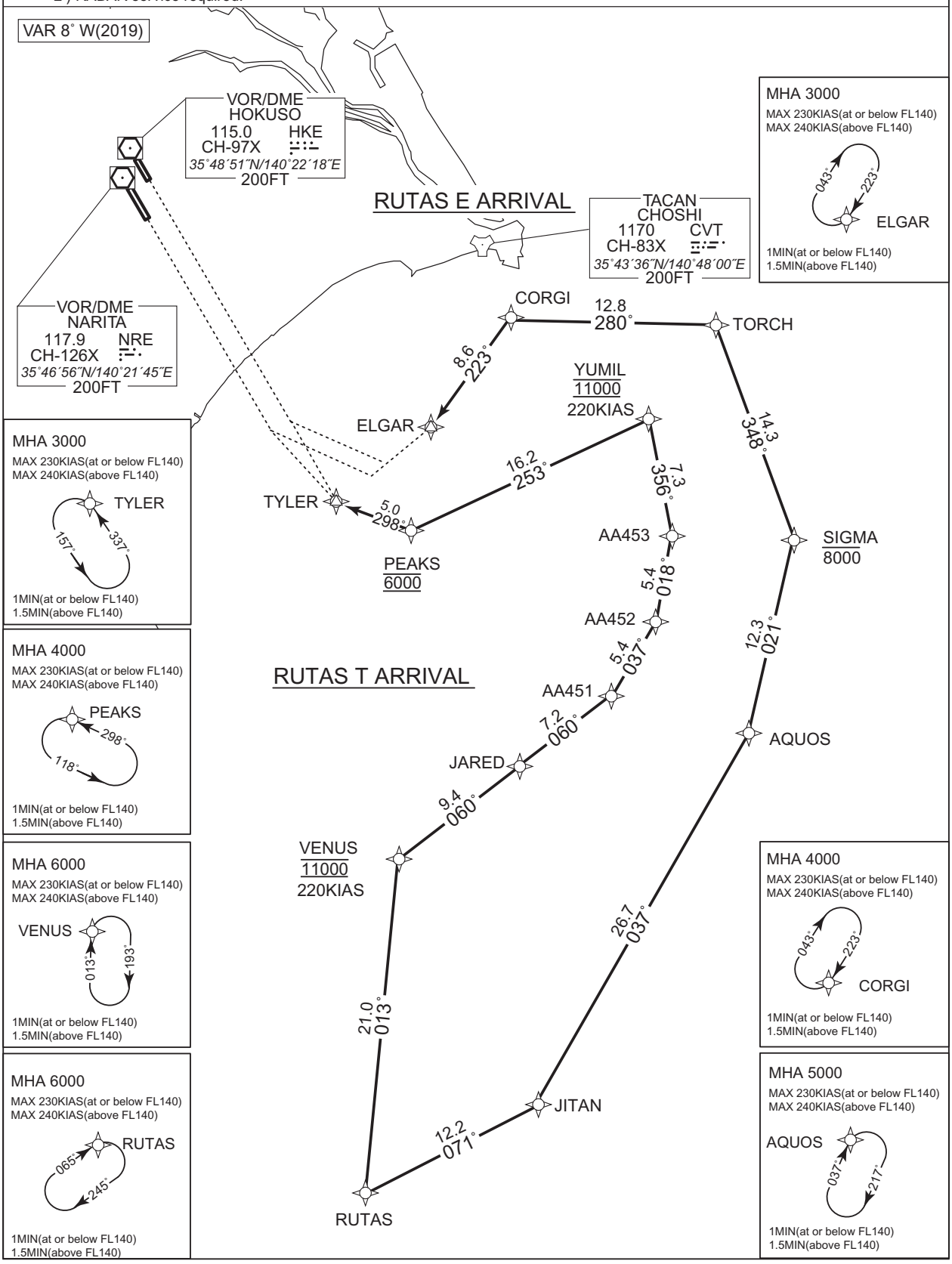
STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL — RNAV STAR RWY34L/34R

RUTAS E ARRIVAL
RUTAS T ARRIVAL

RNAV 1

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



CHANGE: JARED renamed. HLDG Pattern (PEAKS) established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

RUTAS E ARRIVAL

From RUTAS, to JITAN, to AQUOS, to SIGMA at or below 8000FT, to TORCH, to CORGI, to ELGAR.

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	RUTAS	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	JITAN	–	071 (063.5)	-7.5	12.2	–	–	–	–	RNAV1
003	TF	AQUOS	–	037 (029.1)	-7.5	26.7	–	–	–	–	RNAV1
004	TF	SIGMA	–	021 (013.8)	-7.5	12.3	–	-8000	–	–	RNAV1
005	TF	TORCH	–	348 (340.3)	-7.5	14.3	–	–	–	–	RNAV1
006	TF	CORGI	–	280 (272.8)	-7.5	12.8	–	–	–	–	RNAV1
007	TF	ELGAR	–	223 (215.7)	-7.5	8.6	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	RUTAS	065 (057.9)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	AQUOS	037 (029.1)	-7.5	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	CORGI	223 (215.8)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	ELGAR	223 (215.7)	-7.5	1.0(-14000) 1.5(+14001)	–	R	3000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE: Marginal note (Title)

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

RUTAS T ARRIVAL

From RUTAS, to VENUS at 11000FT, to JARED, to AA451, to AA452, to AA453, to YUMIL at 11000FT, to PEAKS at 6000FT, to TYLER.

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	RUTAS	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	VENUS	–	013 (005.8)	-7.5	21.0	–	11000	220	–	RNAV1
003	TF	JARED	–	060 (052.3)	-7.5	9.4	–	–	–	–	RNAV1
004	TF	AA451	–	060 (052.1)	-7.5	7.2	–	–	–	–	RNAV1
005	TF	AA452	–	037 (029.7)	-7.5	5.4	–	–	–	–	RNAV1
006	TF	AA453	–	018 (010.7)	-7.5	5.4	–	–	–	–	RNAV1
007	TF	YUMIL	–	356 (348.2)	-7.5	7.3	–	11000	220	–	RNAV1
008	TF	PEAKS	–	253 (245.0)	-7.5	16.2	–	6000	–	–	RNAV1
009	TF	TYLER	–	298 (290.2)	-7.5	5.0	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	RUTAS	065 (057.9)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	VENUS	013 (005.8)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	PEAKS	298 (290.2)	-7.5	1.0(-14000) 1.5(+14001)	–	L	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	TYLER	337 (329.8)	-7.5	1.0(-14000) 1.5(+14001)	–	L	3000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE: JARED renamed. HLDG Pattern (PEAKS) established.

STANDARD ARRIVAL CHART - INSTRUMENT

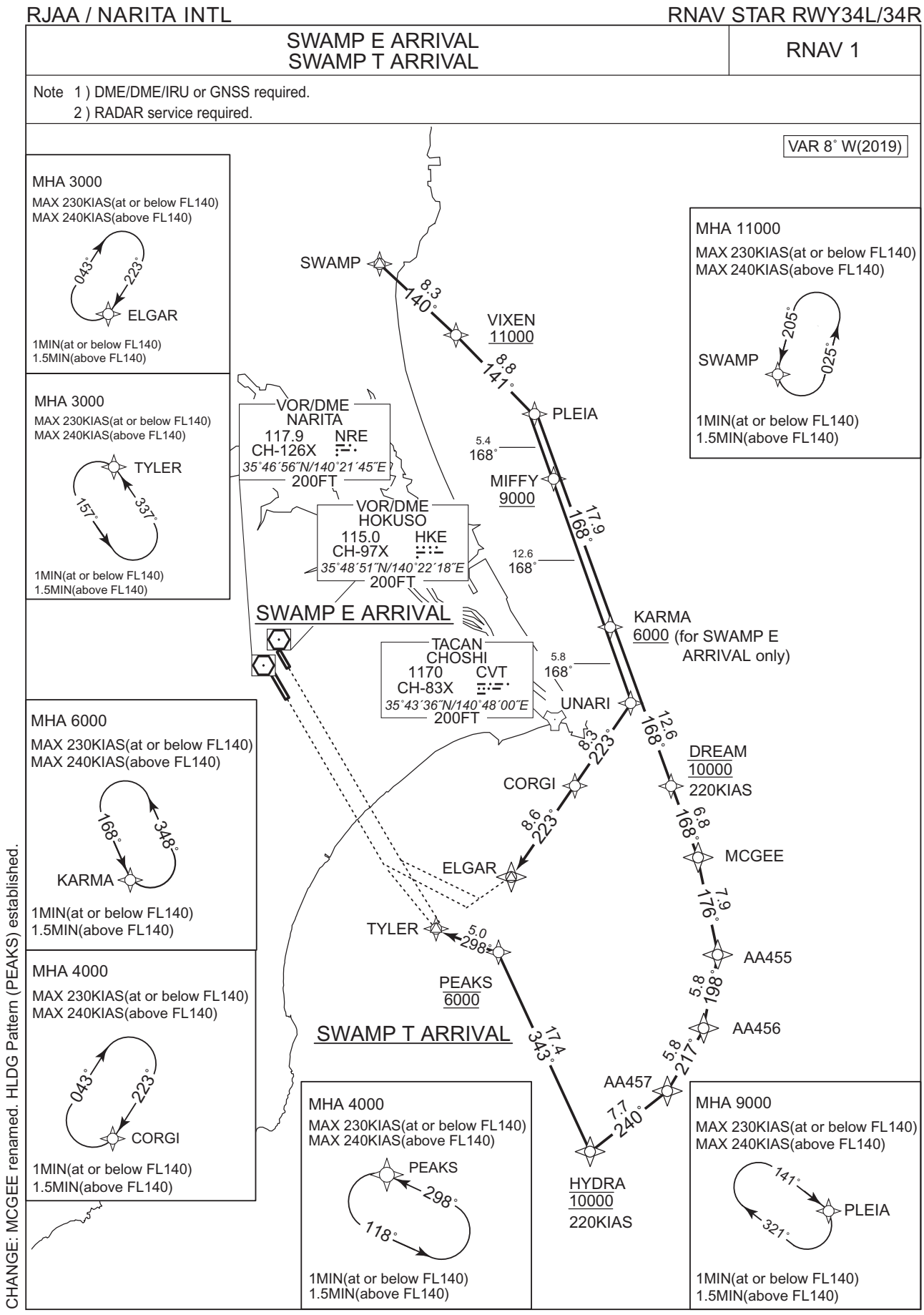
RJAA / NARITA INTL RNAV STAR RWY34L/34R

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AA451	*351449.2N / 1405911.3E*	PEAKS	*352507.2N / 1404352.7E*
AA452	*351930.7N / 1410228.5E*	RUTAS	*344349.3N / 1404034.2E*
AA453	*352449.7N / 1410342.2E*	SIGMA	*352425.5N / 1411318.3E*
AQUOS	*351229.7N / 1410942.5E*	TORCH	*353752.8N / 1410721.7E*
CORGI	*353829.8N / 1405138.9E*	TYLER	*352650.5N / 1403807.8E*
ELGAR	*353129.2N / 1404527.4E*	VENUS	*350440.1N / 1404309.7E*
JARED	*351024.8N / 1405215.4E*	YUMIL	*353158.6N / 1410151.7E*
JITAN	*344914.2N / 1405349.3E*		

CHANGE: JARED renamed

STANDARD ARRIVAL CHART - INSTRUMENT



STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL RNAV STAR RWY34L/34R

SWAMP E ARRIVAL

From SWAMP, to VIXEN at or above 11000FT, to PLEIA, to MIFFY at or above 9000FT, to KARMA at or above 6000FT, to UNARI, to CORGI, to ELGAR.

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	SWAMP	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	VIXEN	–	140 (133.0)	-7.5	8.3	–	+11000	–	–	RNAV1
003	TF	PLEIA	–	141 (133.0)	-7.5	8.8	–	–	–	–	RNAV1
004	TF	MIFFY	–	168 (160.3)	-7.5	5.4	–	+9000	–	–	RNAV1
005	TF	KARMA	–	168 (160.3)	-7.5	12.6	–	+6000	–	–	RNAV1
006	TF	UNARI	–	168 (160.4)	-7.5	5.8	–	–	–	–	RNAV1
007	TF	CORGI	–	223 (215.8)	-7.5	8.3	–	–	–	–	RNAV1
008	TF	ELGAR	–	223 (215.7)	-7.5	8.6	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	SWAMP	205 (197.0)	-7.5	1.0(-14000) 1.5(+14001)	–	L	11000	–	-230(-14000) -240(+14001)	RNAV1
Hold	PLEIA	141 (133.1)	-7.5	1.0(-14000) 1.5(+14001)	–	R	9000	–	-230(-14000) -240(+14001)	RNAV1
Hold	KARMA	168 (160.3)	-7.5	1.0(-14000) 1.5(+14001)	–	L	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	CORGI	223 (215.8)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	ELGAR	223 (215.7)	-7.5	1.0(-14000) 1.5(+14001)	–	R	3000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : New PROC

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL — RNAV STAR RWY34L/34R

SWAMP T ARRIVAL

From SWAMP, to VIXEN at or above 11000FT, to PLEIA, to KARMA, to DREAM at 10000FT, to MCGEE, to AA455, to AA456, to AA457, to HYDRA at 10000FT, to PEAKS at 6000FT, to TYLER.

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	SWAMP	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	VIXEN	–	140 (133.0)	-7.5	8.3	–	+11000	–	–	RNAV1
003	TF	PLEIA	–	141 (133.0)	-7.5	8.8	–	–	–	–	RNAV1
004	TF	KARMA	–	168 (160.3)	-7.5	17.9	–	–	–	–	RNAV1
005	TF	DREAM	–	168 (160.4)	-7.5	12.6	–	10000	220	–	RNAV1
006	TF	MCGEE	–	168 (160.4)	-7.5	6.8	–	–	–	–	RNAV1
007	TF	AA455	–	176 (168.2)	-7.5	7.9	–	–	–	–	RNAV1
008	TF	AA456	–	198 (190.7)	-7.5	5.8	–	–	–	–	RNAV1
009	TF	AA457	–	217 (209.8)	-7.5	5.8	–	–	–	–	RNAV1
010	TF	HYDRA	–	240 (232.1)	-7.5	7.7	–	10000	220	–	RNAV1
011	TF	PEAKS	–	343 (335.1)	-7.5	17.4	–	6000	–	–	RNAV1
012	TF	TYLER	–	298 (290.2)	-7.5	5.0	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	SWAMP	205 (197.0)	-7.5	1.0(-14000) 1.5(+14001)	–	L	11000	–	-230(-14000) -240(+14001)	RNAV1
Hold	PLEIA	141 (133.1)	-7.5	1.0(-14000) 1.5(+14001)	–	R	9000	–	-230(-14000) -240(+14001)	RNAV1
Hold	KARMA	168 (160.3)	-7.5	1.0(-14000) 1.5(+14001)	–	L	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	PEAKS	298 (290.2)	-7.5	1.0(-14000) 1.5(+14001)	–	L	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	TYLER	337 (329.8)	-7.5	1.0(-14000) 1.5(+14001)	–	L	3000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE: MCGEE renamed. HLDG Pattern (PEAKS) established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL RNAV STAR RWY34L/34R

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AA455	*352448.3N / 1410510.3E*	MCGEE	*353229.0N / 1410311.8E*
AA456	*351905.7N / 1410351.0E*	MIFFY	*360232.1N / 1404959.5E*
AA457	*351403.4N / 1410019.2E*	PEAKS	*352507.2N / 1404352.7E*
CORGI	*353829.8N / 1405138.9E*	PLEIA	*360734.8N / 1404745.4E*
DREAM	*353853.3N / 1410023.9E*	SWAMP	*361914.4N / 1403217.0E*
ELGAR	*353129.2N / 1404527.4E*	TYLER	*352650.5N / 1403807.8E*
HYDRA	*350919.4N / 1405252.5E*	UNARI	*354513.8N / 1405737.1E*
KARMA	*355042.9N / 1405512.4E*	VIXEN	*361335.9N / 1403947.1E*

CHANGE : MCGEE renamed

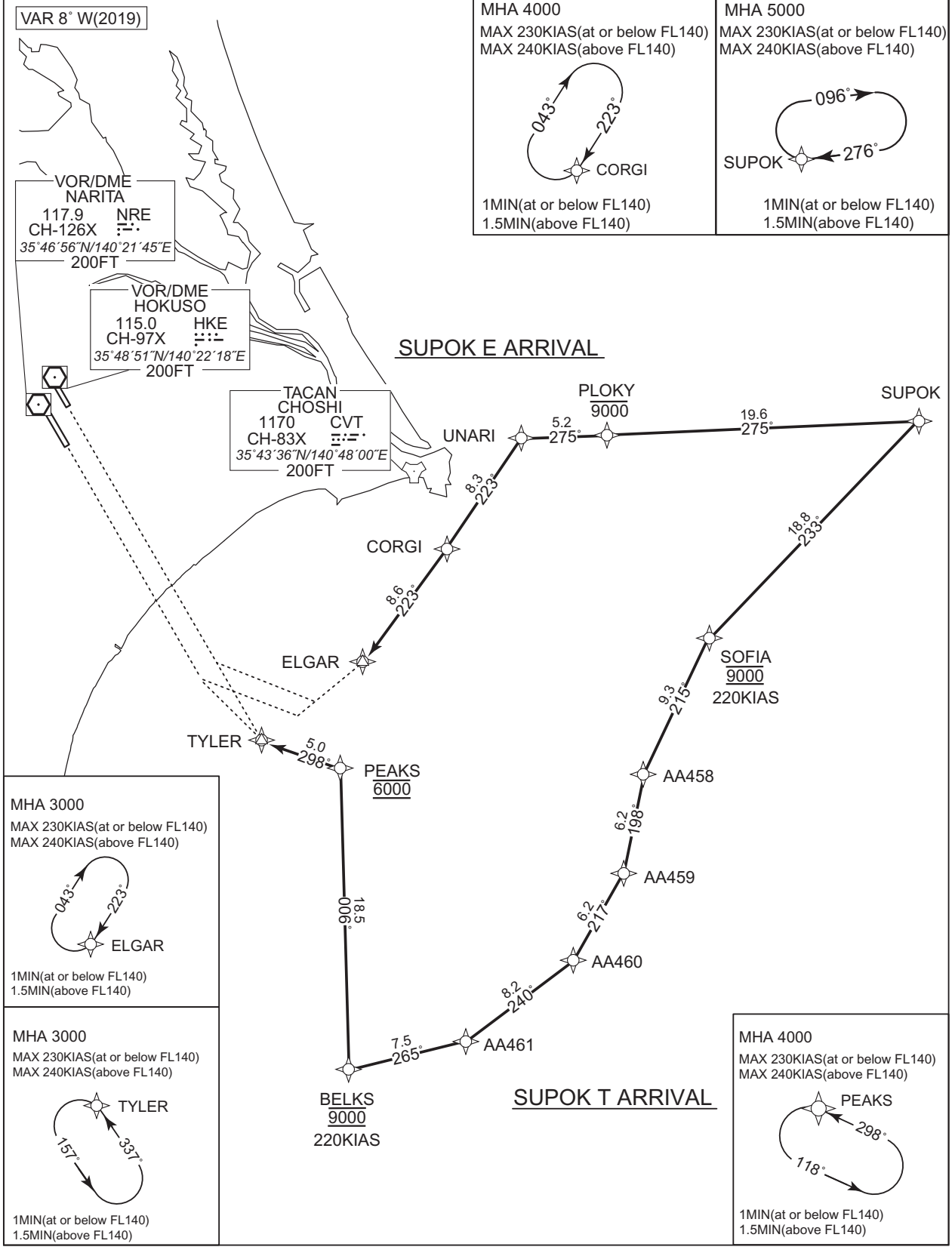
STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL — RNAV STAR RWY34L/34R

SUPOK E ARRIVAL
SUPOK T ARRIVAL

RNAV 1

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



STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

SUPOK E ARRIVAL

From SUPOK, to PLOKY at or below 9000FT, to UNARI, to CORGI, to ELGAR.

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	SUPOK	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	PLOKY	–	275 (267.9)	-7.5	19.6	–	-9000	–	–	RNAV1
003	TF	UNARI	–	275 (267.4)	-7.5	5.2	–	–	–	–	RNAV1
004	TF	CORGI	–	223 (215.8)	-7.5	8.3	–	–	–	–	RNAV1
005	TF	ELGAR	–	223 (215.7)	-7.5	8.6	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	SUPOK	276 (268.6)	-7.5	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	CORGI	223 (215.8)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	ELGAR	223 (215.7)	-7.5	1.0(-14000) 1.5(+14001)	–	R	3000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : New PROC

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL — RNAV STAR RWY34L/34R

SUPOK T ARRIVAL

From SUPOK, to SOFIA at 9000FT, to AA458, to AA459, to AA460, to AA461, to BELKS at 9000FT, to PEAKS at 6000FT, to TYLER.

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	SUPOK	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	SOFIA	–	233 (225.2)	-7.5	18.8	–	9000	220	–	RNAV1
003	TF	AA458	–	215 (207.2)	-7.5	9.3	–	–	–	–	RNAV1
004	TF	AA459	–	198 (190.7)	-7.5	6.2	–	–	–	–	RNAV1
005	TF	AA460	–	217 (209.8)	-7.5	6.2	–	–	–	–	RNAV1
006	TF	AA461	–	240 (232.2)	-7.5	8.2	–	–	–	–	RNAV1
007	TF	BELKS	–	265 (257.8)	-7.5	7.5	–	9000	220	–	RNAV1
008	TF	PEAKS	–	006 (358.3)	-7.5	18.5	–	6000	–	–	RNAV1
009	TF	TYLER	–	298 (290.2)	-7.5	5.0	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	SUPOK	276 (268.6)	-7.5	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	PEAKS	298 (290.2)	-7.5	1.0(-14000) 1.5(+14001)	–	L	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	TYLER	337 (329.8)	-7.5	1.0(-14000) 1.5(+14001)	–	L	3000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : HLDG Pattern (PEAKS) established

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AA458	*352446.9N / 1410638.5E*	PEAKS	*352507.2N / 1404352.7E*
AA459	*351840.7N / 1410513.6E*	PLOKY	*354528.3N / 1410402.3E*
AA460	*351317.5N / 1410127.0E*	SOFIA	*353300.1N / 1411149.9E*
AA461	*350814.0N / 1405329.6E*	SUPOK	*354614.1N / 1412810.0E*
BELKS	*350638.5N / 1404433.3E*	TYLER	*352650.5N / 1403807.8E*
CORGI	*353829.8N / 1405138.9E*	UNARI	*354513.8N / 1405737.1E*
ELGAR	*353129.2N / 1404527.4E*		

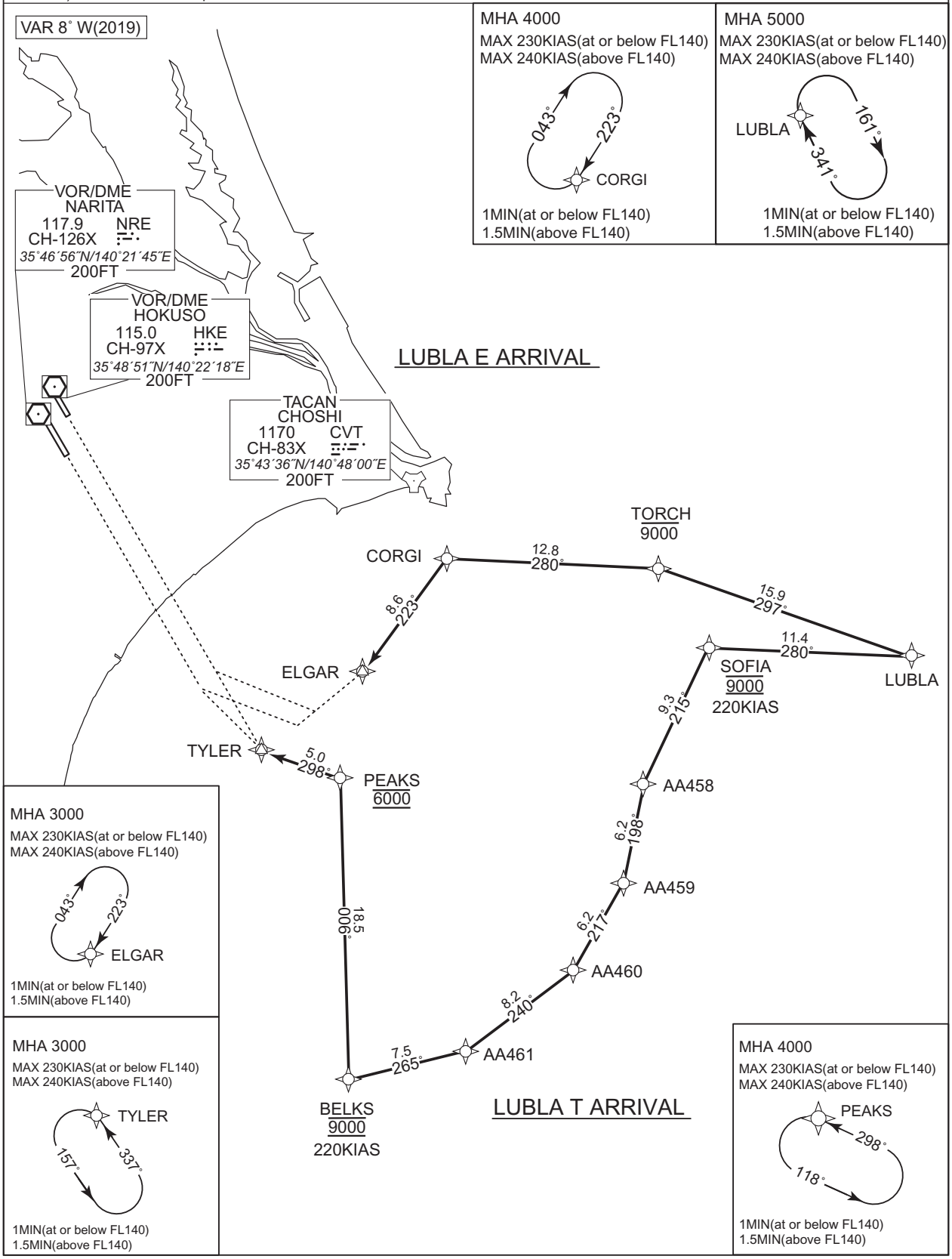
STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL — RNAV STAR RWY34L/34R

LUBLA E ARRIVAL
LUBLA T ARRIVAL

RNAV 1

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



CHANGE : HLDG Pattern (PEAKS) established

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY34L/34R

LUBLA E ARRIVAL

From LUBLA, to TORCH at or below 9000FT, to CORGI, to ELGAR.

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	LUBLA	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	TORCH	–	297 (289.5)	-7.5	15.9	–	-9000	–	–	RNAV1
003	TF	CORGI	–	280 (272.8)	-7.5	12.8	–	–	–	–	RNAV1
004	TF	ELGAR	–	223 (215.7)	-7.5	8.6	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	LUBLA	341 (333.9)	-7.5	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	CORGI	223 (215.8)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	ELGAR	223 (215.7)	-7.5	1.0(-14000) 1.5(+14001)	–	R	3000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : New PROC

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL RNAV STAR RWY34L/34R

LUBLA T ARRIVAL

From LUBLA, to SOFIA at 9000FT, to AA458, to AA459, to AA460, to AA461, to BELKS at 9000FT, to PEAKS at 6000FT, to TYLER.

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	LUBLA	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	SOFIA	–	280 (272.2)	-7.5	11.4	–	9000	220	–	RNAV1
003	TF	AA458	–	215 (207.2)	-7.5	9.3	–	–	–	–	RNAV1
004	TF	AA459	–	198 (190.7)	-7.5	6.2	–	–	–	–	RNAV1
005	TF	AA460	–	217 (209.8)	-7.5	6.2	–	–	–	–	RNAV1
006	TF	AA461	–	240 (232.2)	-7.5	8.2	–	–	–	–	RNAV1
007	TF	BELKS	–	265 (257.8)	-7.5	7.5	–	9000	220	–	RNAV1
008	TF	PEAKS	–	006 (358.3)	-7.5	18.5	–	6000	–	–	RNAV1
009	TF	TYLER	–	298 (290.2)	-7.5	5.0	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	LUBLA	341 (333.9)	-7.5	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	PEAKS	298 (290.2)	-7.5	1.0(-14000) 1.5(+14001)	–	L	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	TYLER	337 (329.8)	-7.5	1.0(-14000) 1.5(+14001)	–	L	3000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : HLDG Pattern (PEAKS) established

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AA458	*352446.9N / 1410638.5E*	ELGAR	*353129.2N / 1404527.4E*
AA459	*351840.7N / 1410513.6E*	LUBLA	*353235.0N / 1412550.8E*
AA460	*351317.5N / 1410127.0E*	PEAKS	*352507.2N / 1404352.7E*
AA461	*350814.0N / 1405329.6E*	SOFIA	*353300.1N / 1411149.9E*
BELKS	*350638.5N / 1404433.3E*	TORCH	*353752.8N / 1410721.7E*
CORGI	*353829.8N / 1405138.9E*	TYLER	*352650.5N / 1403807.8E*

STANDARD ARRIVAL CHART - INSTRUMENT

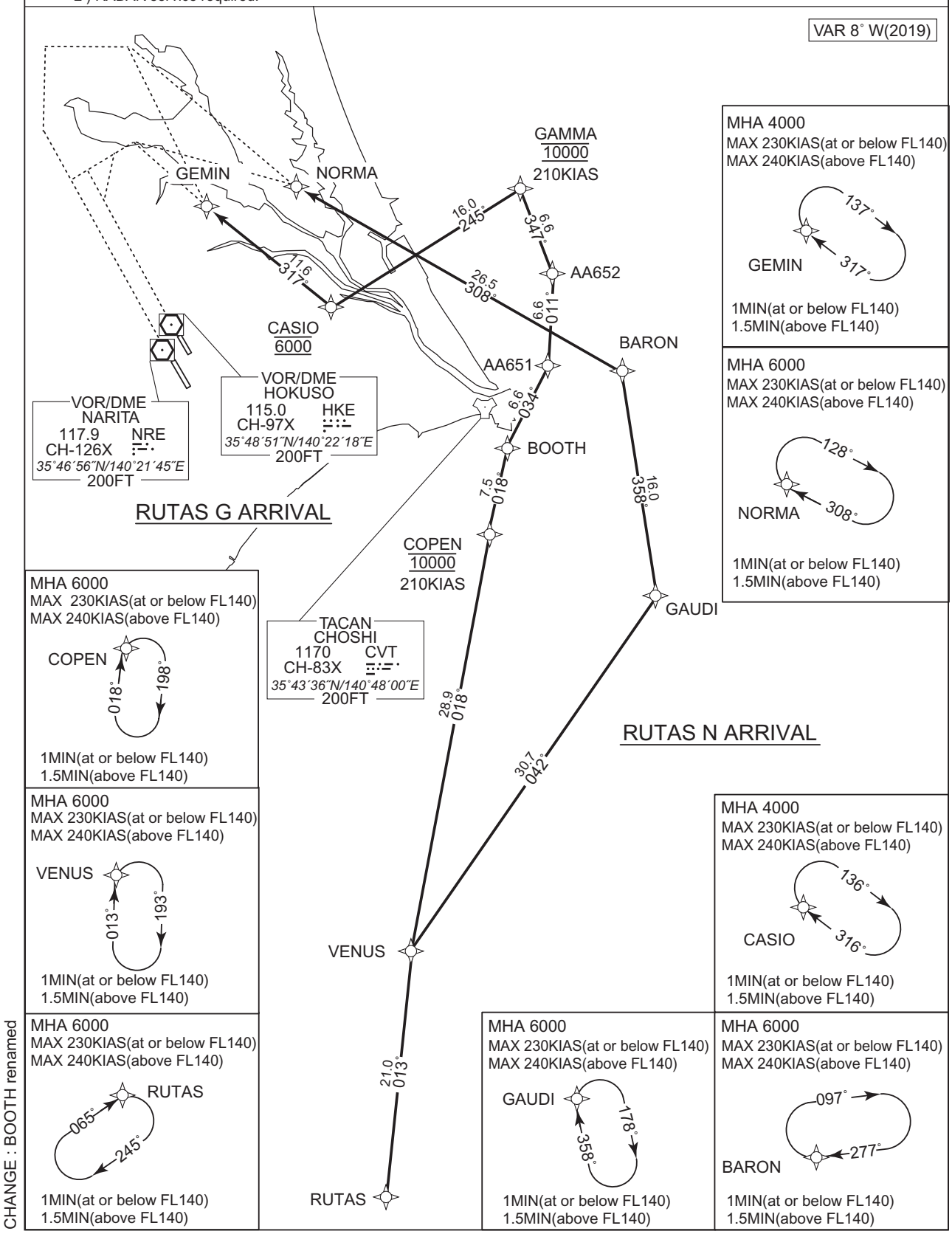
RJAA / NARITA INTL — RNAV STAR RWY16R/16L

RUTAS G ARRIVAL
RUTAS N ARRIVAL

RNAV 1

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

VAR 8° W(2019)



STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

RUTAS G ARRIVAL

From RUTAS, to VENUS, to COPEN at 10000FT, to BOOTH, to AA651, to AA652, to GAMMA at 10000FT, to CASIO at 6000FT, to GEMIN.

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	RUTAS	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	VENUS	–	013 (005.8)	-7.5	21.0	–	–	–	–	RNAV1
003	TF	COPEN	–	018 (010.5)	-7.5	28.9	–	10000	210	–	RNAV1
004	TF	BOOTH	–	018 (010.6)	-7.5	7.5	–	–	–	–	RNAV1
005	TF	AA651	–	034 (026.6)	-7.5	6.6	–	–	–	–	RNAV1
006	TF	AA652	–	011 (003.1)	-7.5	6.6	–	–	–	–	RNAV1
007	TF	GAMMA	–	347 (339.6)	-7.5	6.6	–	10000	210	–	RNAV1
008	TF	CASIO	–	245 (237.6)	-7.5	16.0	–	6000	–	–	RNAV1
009	TF	GEMIN	–	317 (309.1)	-7.5	11.6	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	RUTAS	065 (057.9)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	VENUS	013 (005.8)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	COPEN	018 (010.5)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	CASIO	316 (308.6)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	GEMIN	317 (309.1)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : BOOTH renamed

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

RUTAS N ARRIVAL

From RUTAS, to VENUS, to GAUDI, to BARON, to NORMA.

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	RUTAS	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	VENUS	–	013 (005.8)	-7.5	21.0	–	–	–	–	RNAV1
003	TF	GAUDI	–	042 (034.1)	-7.5	30.7	–	–	–	–	RNAV1
004	TF	BARON	–	358 (351.0)	-7.5	16.0	–	–	–	–	RNAV1
005	TF	NORMA	–	308 (300.0)	-7.5	26.5	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	RUTAS	065 (057.9)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	VENUS	013 (005.8)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	GAUDI	358 (351.0)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	BARON	277 (270.0)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	NORMA	308 (300.0)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AA651	*354615.0N / 1405457.4E*	GAMMA	*355856.3N / 1405234.6E*
AA652	*355247.8N / 1405523.8E*	GAUDI	*353002.4N / 1410418.1E*
BARON	*354551.0N / 1410112.0E*	GEMIN	*355738.6N / 1402450.7E*
BOOTH	*354023.6N / 1405120.5E*	NORMA	*355900.8N / 1403254.0E*
CASIO	*355021.4N / 1403556.1E*	RUTAS	*344349.3N / 1404034.2E*
COPEN	*353303.7N / 1404939.2E*	VENUS	*350440.1N / 1404309.7E*

CHANGE : BOOTH renamed

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

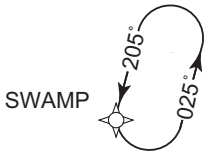
SWAMP G ARRIVAL
SWAMP N ARRIVAL

RNAV 1

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

VAR 8° W(2019)

MHA 11000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



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

SWAMP N ARRIVAL

SWAMP
8.3
140°
VIXEN
11000
8.8
141°
PLEIA
9000
210KIAS
(For SWAMP G ARRIVAL)
(For SWAMP G ARRIVAL)
9.4
157°
14.8
140°
BETEL
AA655
8.9
097°
AA656
7.0
167°
11.6
187°
AA653
26.5
308°
11.6
317°
GEMIN
NORMA
7.0
191°
CASIO
6000
17.1
316°
AA654
8.9
277°
AA657
9000
BARON
7.0
214°
SPITZ
9000
210KIAS

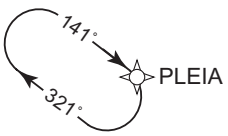
VOR/DME
NARITA
117.9 NRE
CH-126X
35°46′56″N/140°21′45″E
200FT

VOR/DME
HOKUSO
115.0 HKE
CH-97X
35°48′51″N/140°22′18″E
200FT

TACAN
CHOSHI
1170 CVT
CH-83X
35°43′36″N/140°48′00″E
200FT

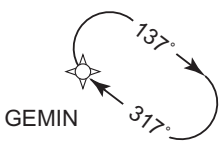
SWAMP G ARRIVAL

MHA 9000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



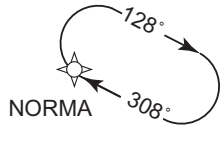
1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



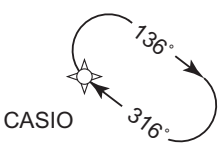
1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 6000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



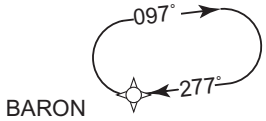
1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



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

MHA 6000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



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

CHANGE : ALT Restriction on AA655, AA657

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL RNAV STAR RWY16R/16L

SWAMP G ARRIVAL

From SWAMP, to VIXEN at or above 11000FT, to PLEIA at 9000FT, to BETEL, to AA653, to AA654, to SPITZ at 9000FT, to CASIO at 6000FT, to GEMIN.

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	SWAMP	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	VIXEN	–	140 (133.0)	-7.5	8.3	–	+11000	–	–	RNAV1
003	TF	PLEIA	–	141 (133.0)	-7.5	8.8	–	9000	210	–	RNAV1
004	TF	BETEL	–	157 (149.1)	-7.5	9.4	–	–	–	–	RNAV1
005	TF	AA653	–	167 (159.6)	-7.5	7.0	–	–	–	–	RNAV1
006	TF	AA654	–	191 (183.1)	-7.5	7.0	–	–	–	–	RNAV1
007	TF	SPITZ	–	214 (206.6)	-7.5	7.0	–	9000	210	–	RNAV1
008	TF	CASIO	–	316 (308.6)	-7.5	17.1	–	6000	–	–	RNAV1
009	TF	GEMIN	–	317 (309.1)	-7.5	11.6	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	SWAMP	205 (197.0)	-7.5	1.0(-14000) 1.5(+14001)	–	L	11000	–	-230(-14000) -240(+14001)	RNAV1
Hold	PLEIA	141 (133.1)	-7.5	1.0(-14000) 1.5(+14001)	–	R	9000	–	-230(-14000) -240(+14001)	RNAV1
Hold	CASIO	316 (308.6)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	GEMIN	317 (309.1)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : New PROC

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL RNAV STAR RWY16R/16L

SWAMP N ARRIVAL

From SWAMP, to VIXEN at or above 11000FT, to PLEIA, to AA655, to AA656, to AA657 at or above 9000FT, to BARON, to NORMA.

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	SWAMP	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	VIXEN	–	140 (133.0)	-7.5	8.3	–	+11000	–	–	RNAV1
003	TF	PLEIA	–	141 (133.0)	-7.5	8.8	–	–	–	–	RNAV1
004	TF	AA655	–	140 (132.9)	-7.5	14.8	–	–	–	–	RNAV1
005	TF	AA656	–	097 (089.9)	-7.5	8.9	–	–	–	–	RNAV1
006	TF	AA657	–	187 (180.0)	-7.5	11.6	–	+9000	–	–	RNAV1
007	TF	BARON	–	277 (270.0)	-7.5	8.9	–	–	–	–	RNAV1
008	TF	NORMA	–	308 (300.0)	-7.5	26.5	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	SWAMP	205 (197.0)	-7.5	1.0(-14000) 1.5(+14001)	–	L	11000	–	-230(-14000) -240(+14001)	RNAV1
Hold	PLEIA	141 (133.1)	-7.5	1.0(-14000) 1.5(+14001)	–	R	9000	–	-230(-14000) -240(+14001)	RNAV1
Hold	BARON	277 (270.0)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	NORMA	308 (300.0)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AA653	*355257.7N / 1405644.1E*	CASIO	*355021.4N / 1403556.1E*
AA654	*354557.9N / 1405615.8E*	GEMIN	*355738.6N / 1402450.7E*
AA655	*355728.9N / 1410110.3E*	NORMA	*355900.8N / 1403254.0E*
AA656	*355729.4N / 1411209.0E*	PLEIA	*360734.8N / 1404745.4E*
AA657	*354551.6N / 1411209.1E*	SPITZ	*353942.4N / 1405223.9E*
BARON	*354551.0N / 1410112.0E*	SWAMP	*361914.4N / 1403217.0E*
BETEL	*355931.6N / 1405343.4E*	VIXEN	*361335.9N / 1403947.1E*

CHANGE : ALT Restriction on AA655, AA657

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL — RNAV STAR RWY16R/16L

SUPOK G ARRIVAL
SUPOK N ARRIVAL

RNAV 1

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

MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)
CASIO 136° 316°
1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 6000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)
BARON 097° 277°
1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 5000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)
SUPOK 096° 276°
1MIN(at or below FL140)
1.5MIN(above FL140)

VAR 8° W(2019)

SUPOK N ARRIVAL

NORMA
GEMIN
CASIO
6000
SAFRA
8000
210KIAS
AA659
AA658
BARON
SUPOK
AA657
MAX 250KIAS
(For SUPOK G ARRIVAL)
VOGUE
210KIAS
REGZA
8000

18.2 245°
7.5 347°
26.5 308°
7.5 011°
11.6 317°
8.9 277°
13.0 276°
6.4 356°
7.2 214°
7.3 278°

VOR/DME NARITA
117.9 NRE
CH-126X
35°46'56"N/140°21'45"E
200FT

VOR/DME HOKUSO
115.0 HKE
CH-97X
35°48'51"N/140°22'18"E
200FT

TACAN CHOSHI
1170 CVT
CH-83X
35°43'36"N/140°48'00"E
200FT

SUPOK G ARRIVAL

MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)
GEMIN 137° 317°
1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 6000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)
NORMA 128° 308°
1MIN(at or below FL140)
1.5MIN(above FL140)

CHANGE : New PROC

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

SUPOK G ARRIVAL

From SUPOK, to AA657, to REGZA at 8000FT, to VOGUE, to AA658, to AA659, to SAFRA at 8000FT, to CASIO at 6000FT, to GEMIN.

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	SUPOK	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	AA657	–	276 (268.4)	-7.5	13.0	–	–	-250	–	RNAV1
003	TF	REGZA	–	214 (206.8)	-7.5	7.2	–	8000	–	–	RNAV1
004	TF	VOGUE	–	278 (270.3)	-7.5	7.3	–	–	210	–	RNAV1
005	TF	AA658	–	356 (348.4)	-7.5	6.4	–	–	–	–	RNAV1
006	TF	AA659	–	011 (003.1)	-7.5	7.5	–	–	–	–	RNAV1
007	TF	SAFRA	–	347 (339.6)	-7.5	7.5	–	8000	210	–	RNAV1
008	TF	CASIO	–	245 (237.6)	-7.5	18.2	–	6000	–	–	RNAV1
009	TF	GEMIN	–	317 (309.1)	-7.5	11.6	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	SUPOK	276 (268.6)	-7.5	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	CASIO	316 (308.6)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	GEMIN	317 (309.1)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : New PROC

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

SUPOK N ARRIVAL

From SUPOK, to AA657, to BARON, to NORMA.

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	SUPOK	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	AA657	–	276 (268.4)	-7.5	13.0	–	–	–	–	RNAV1
003	TF	BARON	–	277 (270.0)	-7.5	8.9	–	–	–	–	RNAV1
004	TF	NORMA	–	308 (300.0)	-7.5	26.5	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	SUPOK	276 (268.6)	-7.5	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	BARON	277 (270.0)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	NORMA	308 (300.0)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AA657	*354551.6N / 1411209.1E*	NORMA	*355900.8N / 1403254.0E*
AA658	*354540.9N / 1405734.1E*	REGZA	*353925.8N / 1410809.1E*
AA659	*355307.6N / 1405804.5E*	SAFRA	*360006.9N / 1405452.2E*
BARON	*354551.0N / 1410112.0E*	SUPOK	*354614.1N / 1412810.0E*
CASIO	*355021.4N / 1403556.1E*	VOGUE	*353927.6N / 1405908.4E*
GEMIN	*355738.6N / 1402450.7E*		

CHANGE : New PROC

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL — RNAV STAR RWY16R/16L

LUBLA G ARRIVAL
LUBLA N ARRIVAL

RNAV 1

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

MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)
CASIO 136° 316°
1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 6000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)
BARON 097° 277°
1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 5000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)
LUBLA 161° 341°
1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)
GEMIN 137° 317°
1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 6000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)
NORMA 128° 308°
1MIN(at or below FL140)
1.5MIN(above FL140)

VAR 8° W(2019)

LUBLA N ARRIVAL

GEMIN
NORMA
SAFRA
8000
210KIAS
18.2
245°
7.5
347°
AA659
11.6
317°
26.5
308°
7.5
011°
CASIO
6000
AA658
BARON
6.4
356°
8.6
326°
7.3
278°
VOGUE
210KIAS
REGZA
8000
15.9
303°
LUBLA

VOR/DME
HOKUSO
115.0 HKE
CH-97X
35°48′51″N/140°22′18″E
200FT

LUBLA G ARRIVAL

(For LUBLA G ARRIVAL)

VOR/DME
NARITA
117.9 NRE
CH-126X
35°46′56″N/140°21′45″E
200FT

TACAN
CHOSHI
1170 CVT
CH-83X
35°43′36″N/140°48′00″E
200FT

CHANGE : New PROC

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

LUBLA G ARRIVAL

From LUBLA, to REGZA at 8000FT, to VOGUE, to AA658, to AA659, to SAFRA at 8000FT, to CASIO at 6000FT, to GEMIN.

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	LUBLA	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	REGZA	–	303 (295.5)	-7.5	15.9	–	8000	–	–	RNAV1
003	TF	VOGUE	–	278 (270.3)	-7.5	7.3	–	–	210	–	RNAV1
004	TF	AA658	–	356 (348.4)	-7.5	6.4	–	–	–	–	RNAV1
005	TF	AA659	–	011 (003.1)	-7.5	7.5	–	–	–	–	RNAV1
006	TF	SAFRA	–	347 (339.6)	-7.5	7.5	–	8000	210	–	RNAV1
007	TF	CASIO	–	245 (237.6)	-7.5	18.2	–	6000	–	–	RNAV1
008	TF	GEMIN	–	317 (309.1)	-7.5	11.6	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	LUBLA	341 (333.9)	-7.5	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	CASIO	316 (308.6)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	GEMIN	317 (309.1)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : New PROC

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

LUBLA N ARRIVAL

From LUBLA, to REGZA, to BARON, to NORMA.

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	LUBLA	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	REGZA	–	303 (295.5)	-7.5	15.9	–	–	–	–	RNAV1
003	TF	BARON	–	326 (318.7)	-7.5	8.6	–	–	–	–	RNAV1
004	TF	NORMA	–	308 (300.0)	-7.5	26.5	–	–	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	LUBLA	341 (333.9)	-7.5	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	BARON	277 (270.0)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	NORMA	308 (300.0)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AA658	*354540.9N / 1405734.1E*	LUBLA	*353235.0N / 1412550.8E*
AA659	*355307.6N / 1405804.5E*	NORMA	*355900.8N / 1403254.0E*
BARON	*354551.0N / 1410112.0E*	REGZA	*353925.8N / 1410809.1E*
CASIO	*355021.4N / 1403556.1E*	SAFRA	*360006.9N / 1405452.2E*
GEMIN	*355738.6N / 1402450.7E*	VOGUE	*353927.6N / 1405908.4E*

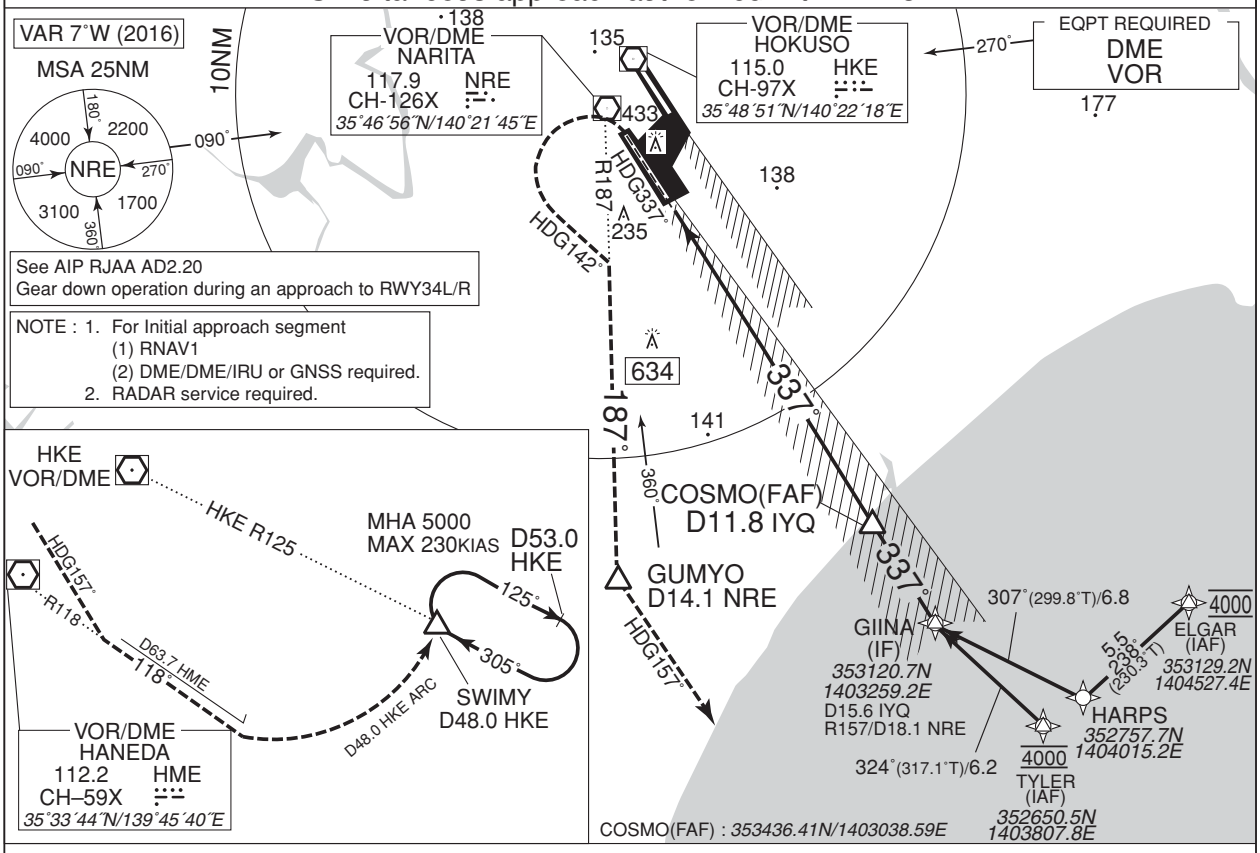
CHANGE : New PROC

INSTRUMENT APPROACH CHART

RJAA / NARITA INTL — ILS RWY34L

TOKYO APP	ILS – LOC	NARITA TOWER	RADAR AVBL
124.4 – 127.7 120.2 – 225.65	111.9 IYQ ILS – GP 331.1 ILS – DME CH–56X	118.2–122.7–126.2 236.8–121.95G	ATIS 128.25

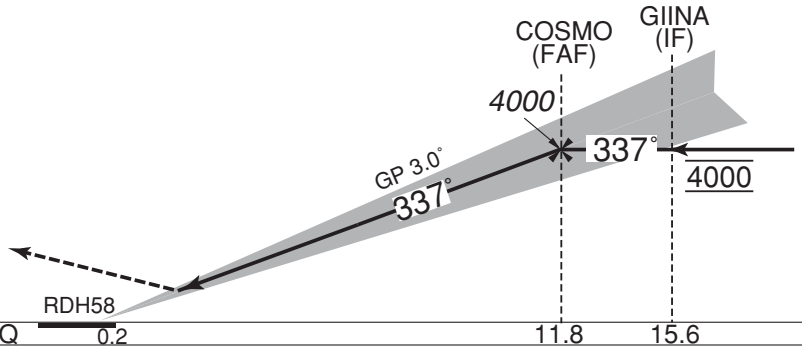
Simultaneous approach authorized with RWY34R



MISSED APPROACH

Climb to 1000FT on HDG337˚, turn left, climb to 6000FT, via HDG142˚ to intercept and proceed via NRE R187 to GUMYO, turn left HDG157˚ to intercept and proceed via HME R118 to HME 63.7DME, via HKE 48.0DME counterclockwise ARC SWIMY and hold.
Contact TOKYO APP.

No turn before IYQ 0.6DME.



CHANGE : Missed APCH, APP FREQ

MINIMA THR elev. 139 AD elev. 135

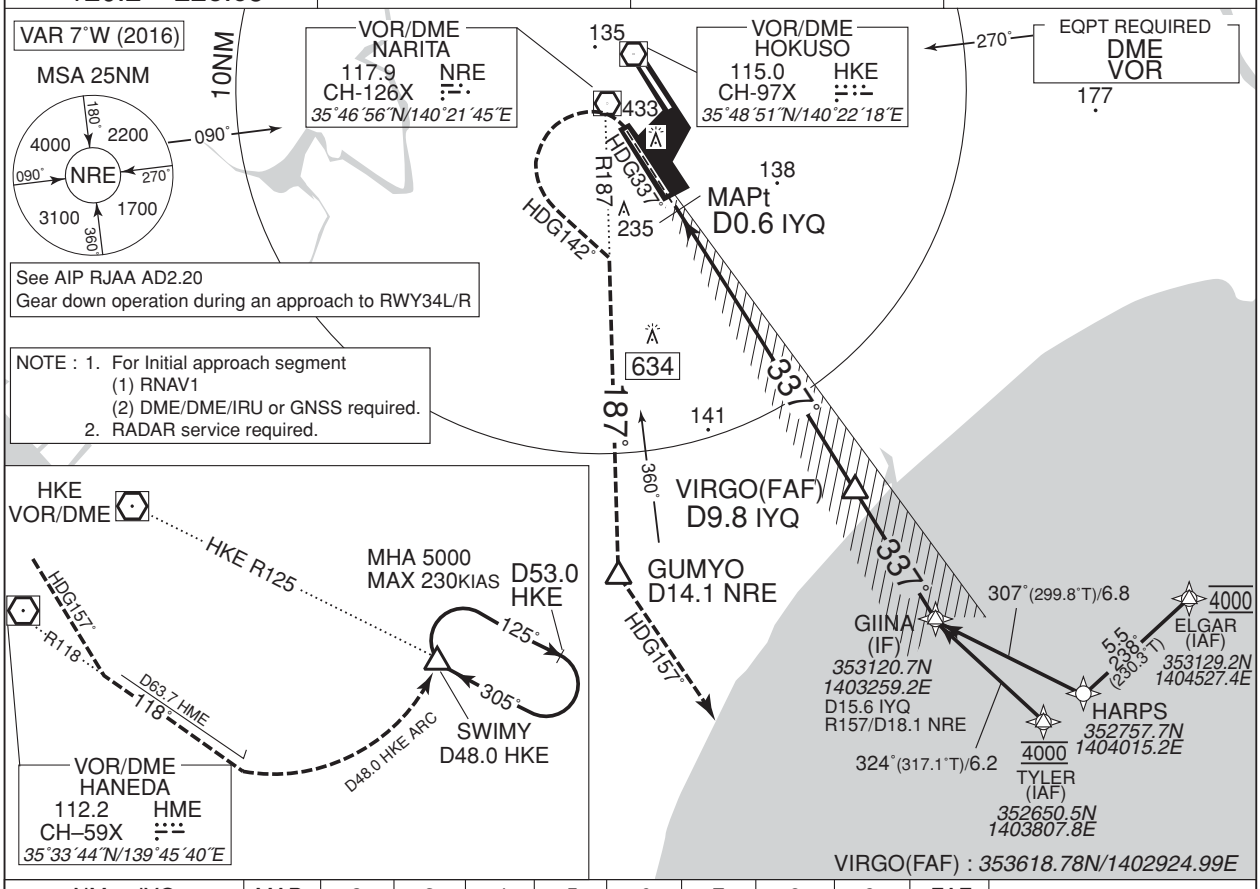
CAT	CAT I		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	VIS
A	339 (200)	550	730 (595)	1600
B				
C				2400
D				3200

INSTRUMENT APPROACH CHART

RJAA / NARITA INTL

LOC RWY34L

TOKYO APP	ILS – LOC	NARITA TOWER	RADAR AVBL
124.4 – 127.7 120.2 – 225.65	111.9 IYQ ILS – DME CH–56X	118.2–122.7–126.2 236.8–121.95G	ATIS 128.25

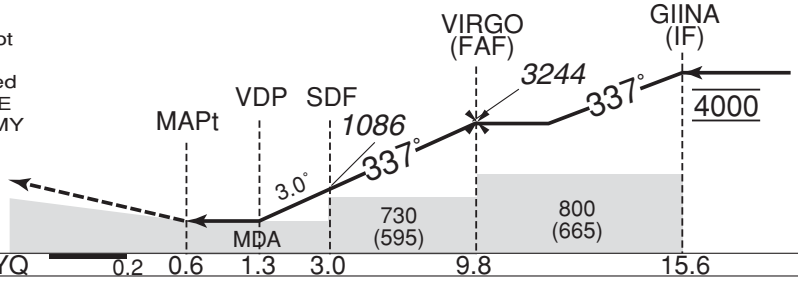


NM to IYQ	MAPt	2	3	4	5	6	7	8	9	FAF
ALT (3.0° APCH Path)	–	767	1086	1404	1723	2041	2359	2678	2996	3244

MISSED APPROACH

Climb to 1000FT on HDG337°, turn left, climb to 6000FT, via HDG142° to intercept and proceed via NRE R187 to GUMYO, turn left HDG157° to intercept and proceed via HME R118 to HME 63.7DME, via HKE 48.0DME counterclockwise ARC to SWIMY and hold.
Contact TOKYO APP.

Timing not authorized for defining the MAPt.
No turn before MAPt.



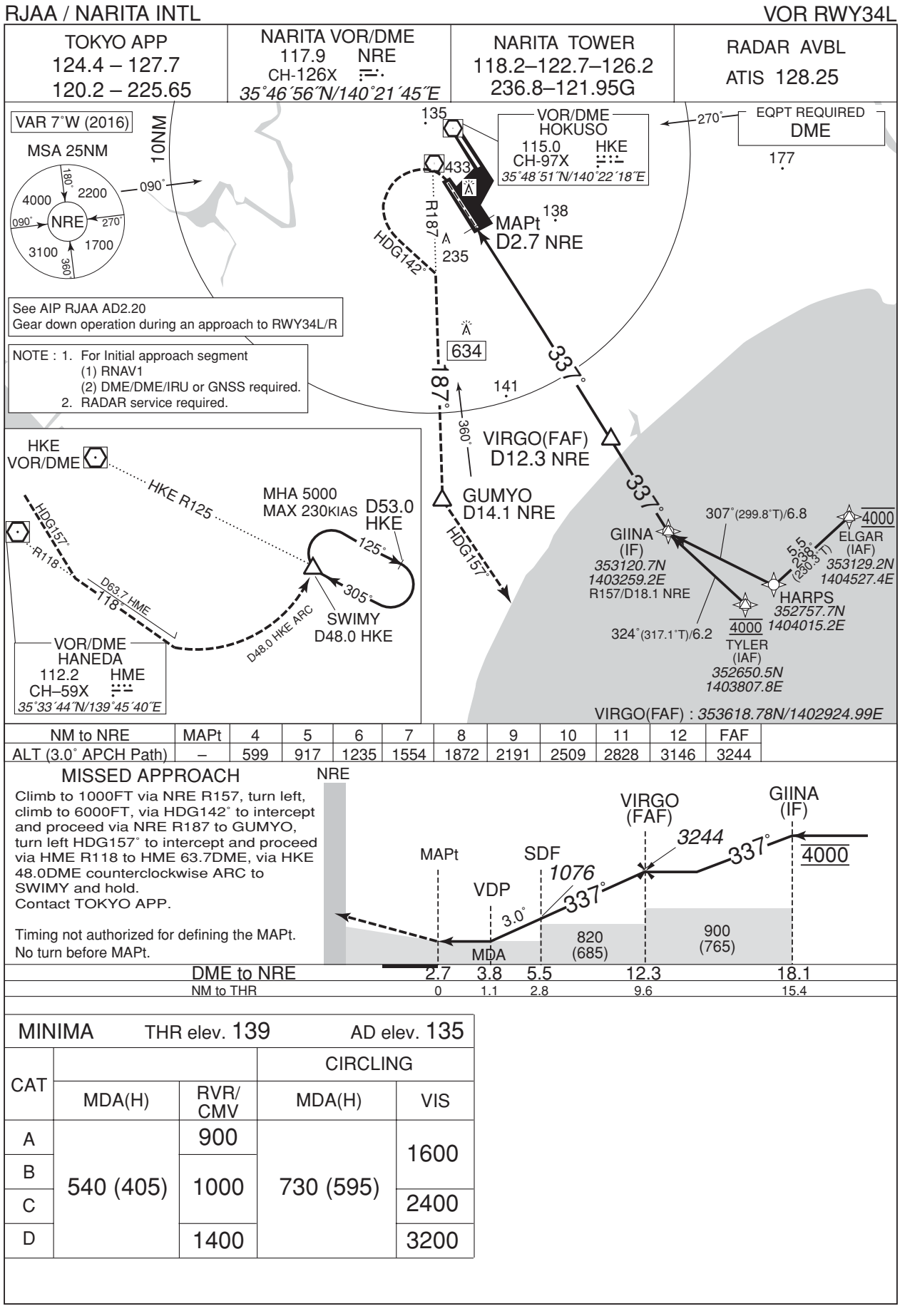
DME to IYQ	0.2	0.6	1.3	3.0	9.8	15.6
NM to THR	0	0.4	1.1	2.8	9.6	15.4

CHANGE : Missed APCH, APP FREQ

MINIMA THR elev. 139 AD elev. 135

CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	530 (395)	900	730 (595)	1600
B		1000		
C				2400
D		1400		3200

INSTRUMENT APPROACH CHART



NM to NRE	MAPt	4	5	6	7	8	9	10	11	12	FAF
ALT (3.0° APCH Path)	–	599	917	1235	1554	1872	2191	2509	2828	3146	3244

MISSED APPROACH

Climb to 1000FT via NRE R157, turn left, climb to 6000FT, via HDG142° to intercept and proceed via NRE R187 to GUMYO, turn left HDG157° to intercept and proceed via HME R118 to HME 63.7DME, via HKE 48.0DME counterclockwise ARC to SWIMY and hold.
Contact TOKYO APP.

Timing not authorized for defining the MAPt.
No turn before MAPt.

DME to NRE		2.7	3.8	5.5	12.3	18.1
NM to THR		0	1.1	2.8	9.6	15.4

CHANGE : Missed APCH, APP FREQ

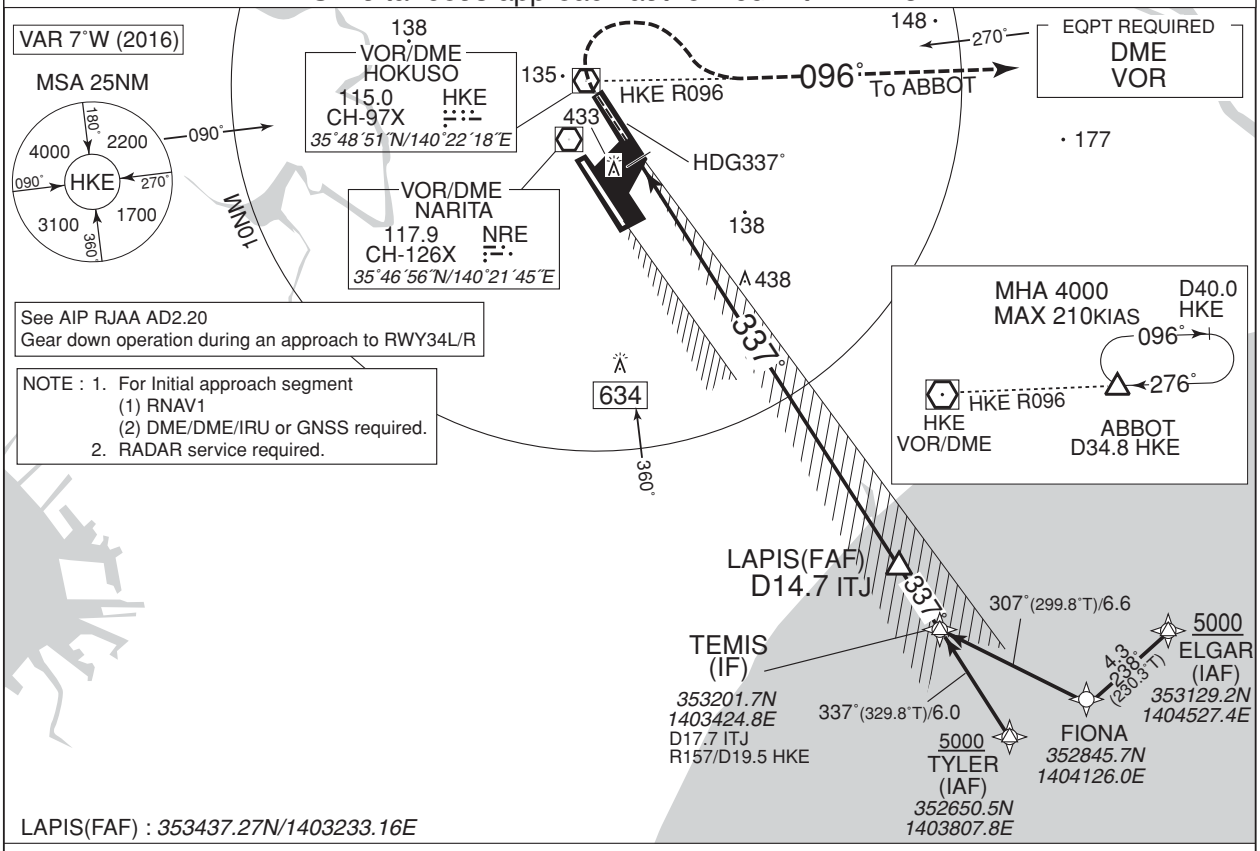
MINIMA	THR elev. 139		AD elev. 135	
CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	540 (405)	900	730 (595)	1600
B		1000		
C				2400
D		1400		3200

INSTRUMENT APPROACH CHART

RJAA / NARITA INTL — ILS Z RWY34R

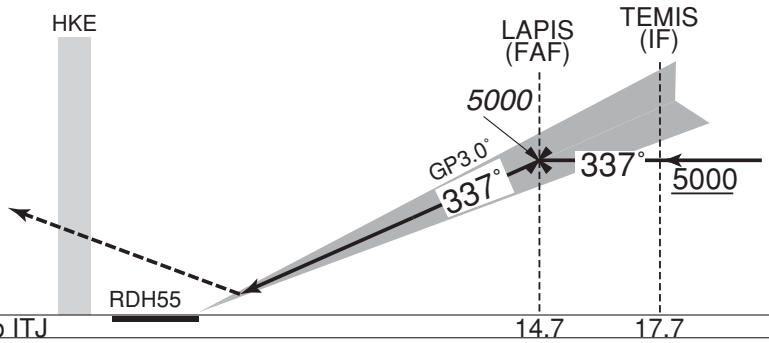
TOKYO APP	ILS – LOC	NARITA TOWER	RADAR AVBL
124.4 – 127.7 120.2 – 225.65	110.9 ITJ ILS – GP 330.8 ILS – DME CH–46X	118.35–122.7–126.2 236.8–121.85G	ATIS 128.25

Simultaneous approach authorized with RWY34L



MISSED APPROACH

Climb to 700FT on HDG337°, turn right, climb to 6000FT via HKE R096 to ABBOT and hold.
Contact TOKYO APP.



MINIMA THR elev. 141 AD elev. 135

CAT	CAT I		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	VIS
A	391 (250)	600	730 (595)	1600
B				
C				2400
D				3200

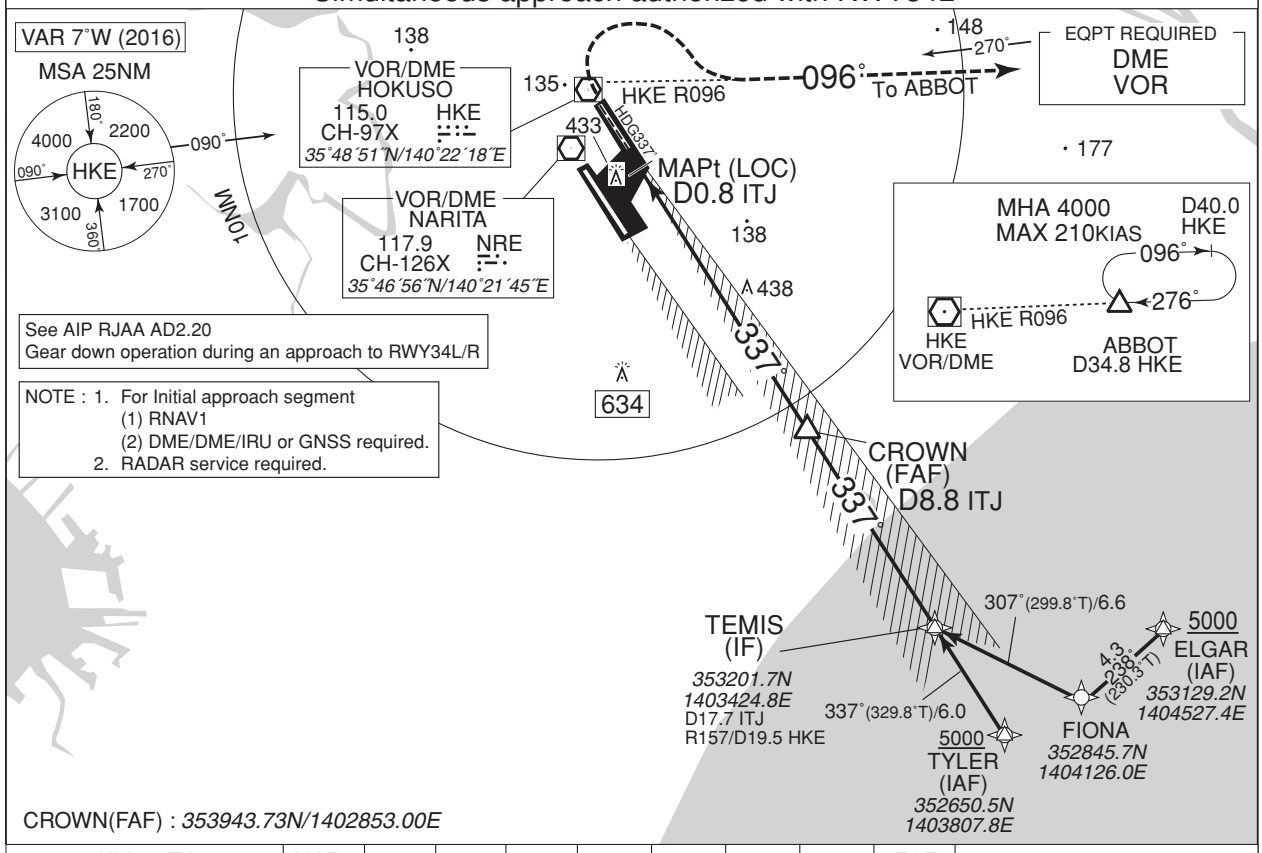
CHANGE : APP FREQ

INSTRUMENT APPROACH CHART

RJAA / NARITA INTL — ILS Y or LOC RWY34R

TOKYO APP	ILS – LOC	NARITA TOWER	RADAR AVBL
124.4 – 127.7 120.2 – 225.65	110.9 ITJ ILS – GP 330.8 ILS – DME CH–46X	118.35–122.7–126.2 236.8–121.85G	ATIS 128.25

Simultaneous approach authorized with RWY34L

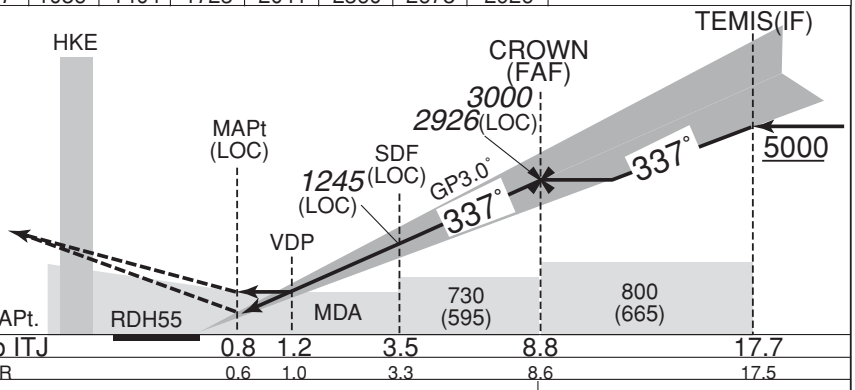


NM to ITJ	MAPt	2	3	4	5	6	7	8	FAF
ALT (3.0˚ APCH Path)	–	767	1086	1404	1723	2041	2360	2678	2926

MISSED APPROACH

Climb to 700FT on HDG337˚, turn right, climb to 6000FT via HKE R096 to ABBOT and hold.
Contact TOKYO APP.

Timing not authorized for defining the MAPt.



DME to ITJ		0.8	1.2	3.5	8.8	17.7
NM to THR		0.6	1.0	3.3	8.6	17.5

MINIMA THR elev. 141 AD elev. 135

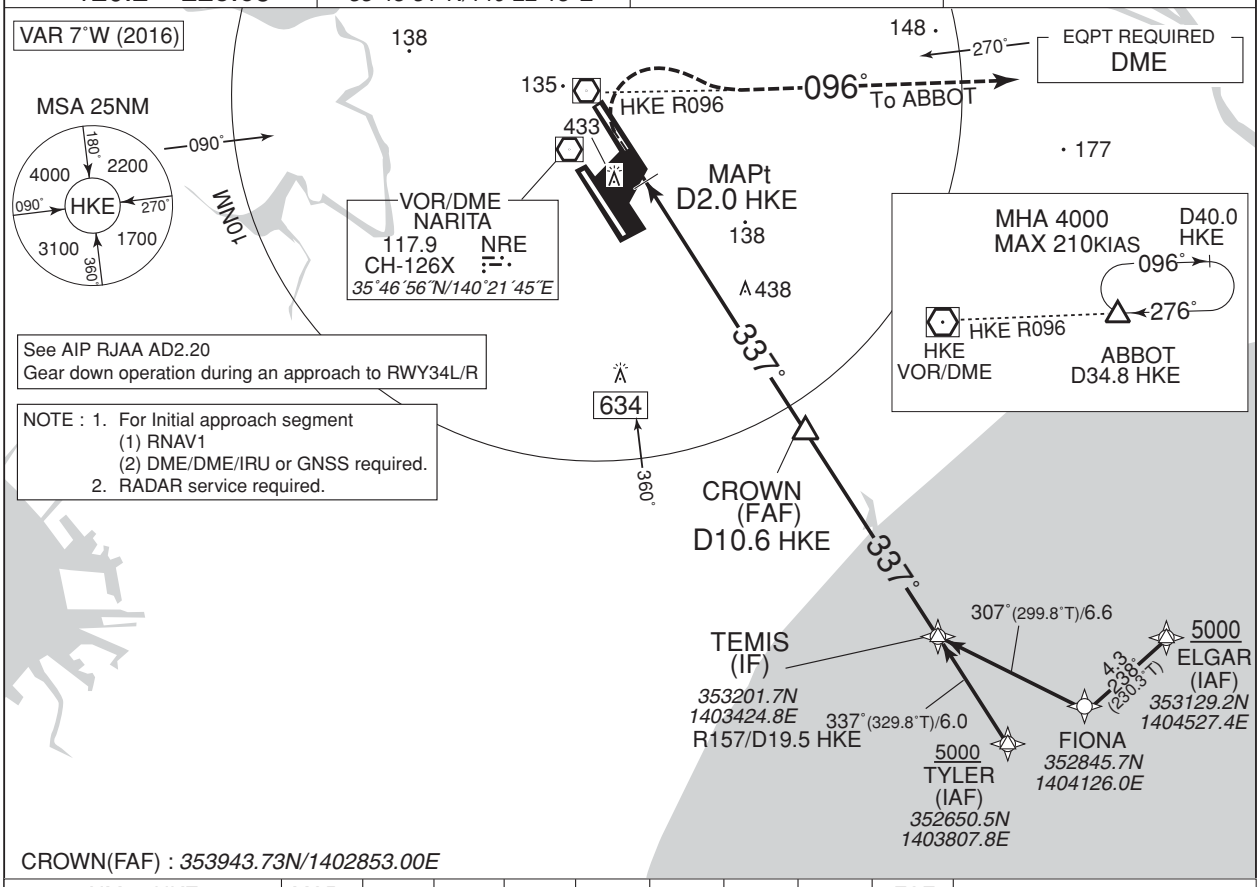
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	391 (250)	600	510 (375)	900	730 (595)	1600
B				1000		
C						2400
D				1400		3200

CHANGE : APP FREQ

INSTRUMENT APPROACH CHART

RJAA / NARITA INTL — VOR RWY34R

TOKYO APP	HOKUSO VOR/DME	NARITA TOWER	RADAR AVBL
124.4 – 127.7 120.2 – 225.65	115.0 HKE CH–97X *35°48′51″N/140°22′18″E*	118.35–122.7–126.2 236.8–121.85G	ATIS 128.25

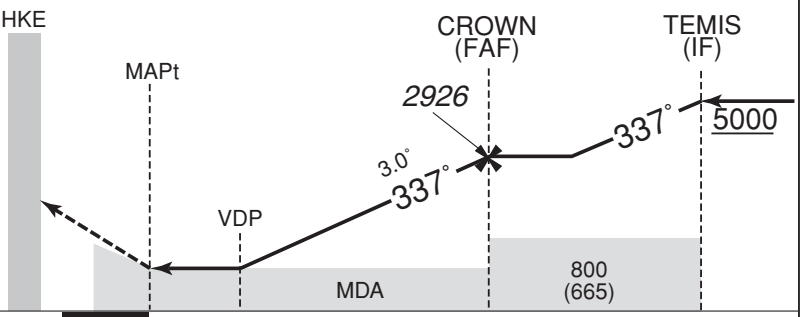


NM to HKE	MAPt	4	5	6	7	8	9	10	FAF
ALT (3.0° APCH Path)	–	836	1154	1473	1791	2109	2428	2746	2926

MISSED APPROACH

Turn right, climb to 6000FT via HKE R096 to ABBOT and hold.
Contact TOKYO APP.

Timing not authorized for defining the MAPt.



DME to HKE	2.0	3.6	10.6	19.5
NM to THR	0	1.6	8.6	17.5

MINIMA THR elev. 141 AD elev. 135

CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	700 (565)	1000	730 (595)	1600
B		1200		
C				2400
D		1600		3200

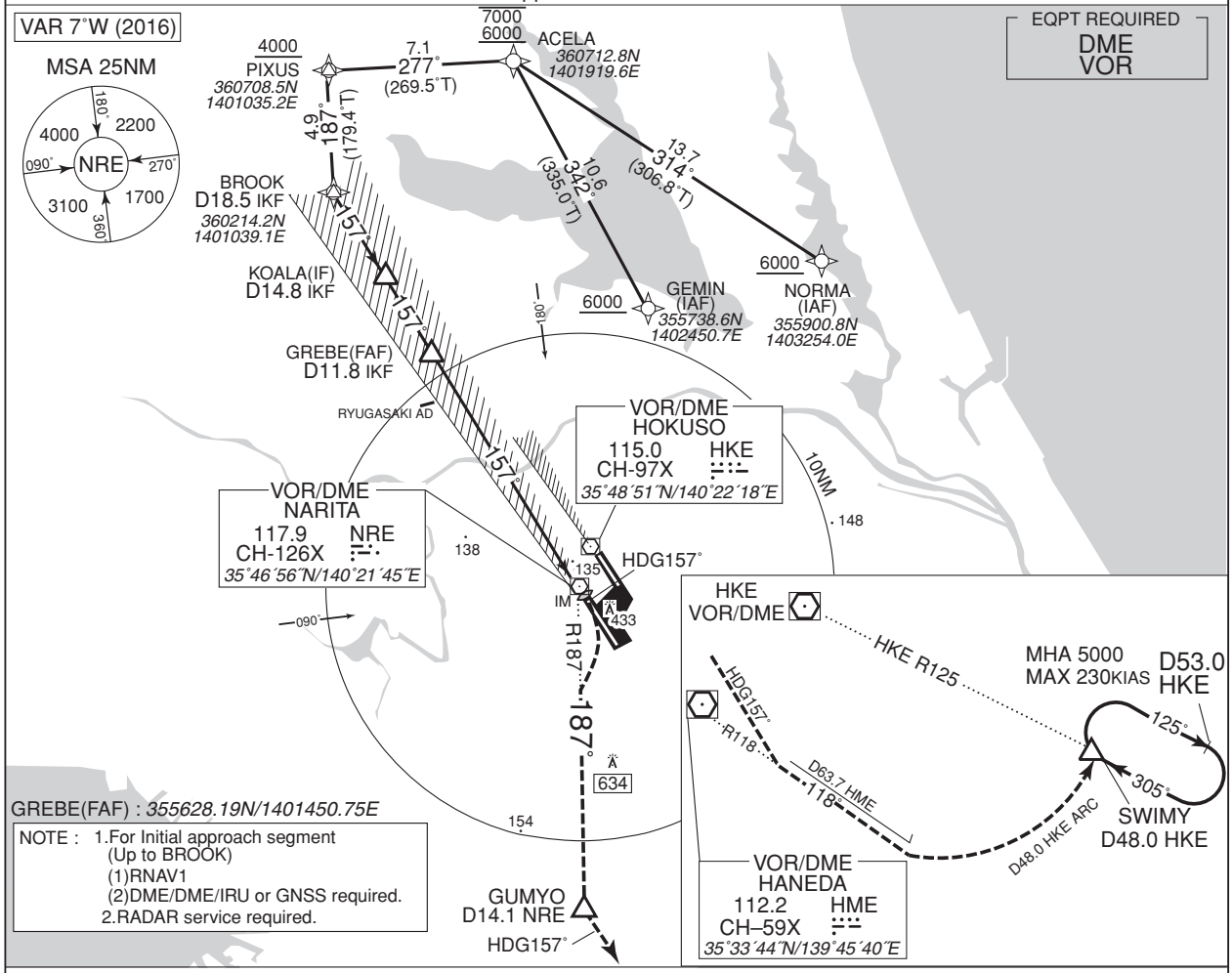
CHANGE : APP FREQ

INSTRUMENT APPROACH CHART

RJAA / NARITA INTL — ILS Z RWY16R (CAT Ⅱ & Ⅲ)

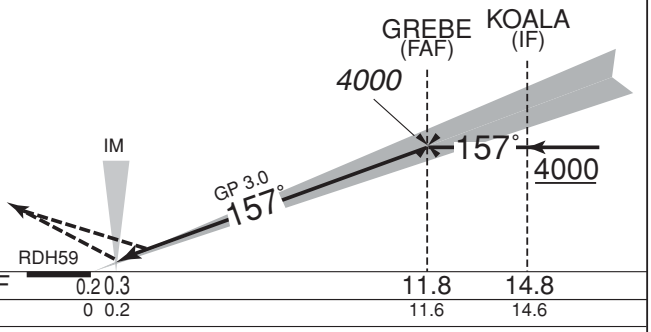
TOKYO APP	ILS-LOC	NARITA TOWER	RADAR AVBL
124.4 – 127.7 120.2 – 225.65	111.5 IKF ILS–GP 332.9 ILS–DME CH–52X	118.2–122.7–126.2 236.8–121.95G	ATIS 128.25

Simultaneous approach authorized with RWY16L



MISSED APPROACH
Climb to 800FT on HDG157°, turn right, climb to 6000FT via NRE R187 to GUMYO, turn left HDG157° to intercept and proceed via HME R118 to HME 63.7DME, via HKE 48.0DME counterclockwise ARC to SWIMY and hold.
Contact TOKYO APP.

No turn before IKF 0.7DME.



MINIMA THR elev. 130 AD elev. 135

CAT	CAT Ⅲ B	CAT Ⅲ A	CAT Ⅱ			CAT I		CIRCLING	
	RVR	RVR	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	VIS
A	100	175	230 (100)	101	300	330 (200)	550	730 (595)	1600
B									
C									2400
D									3200

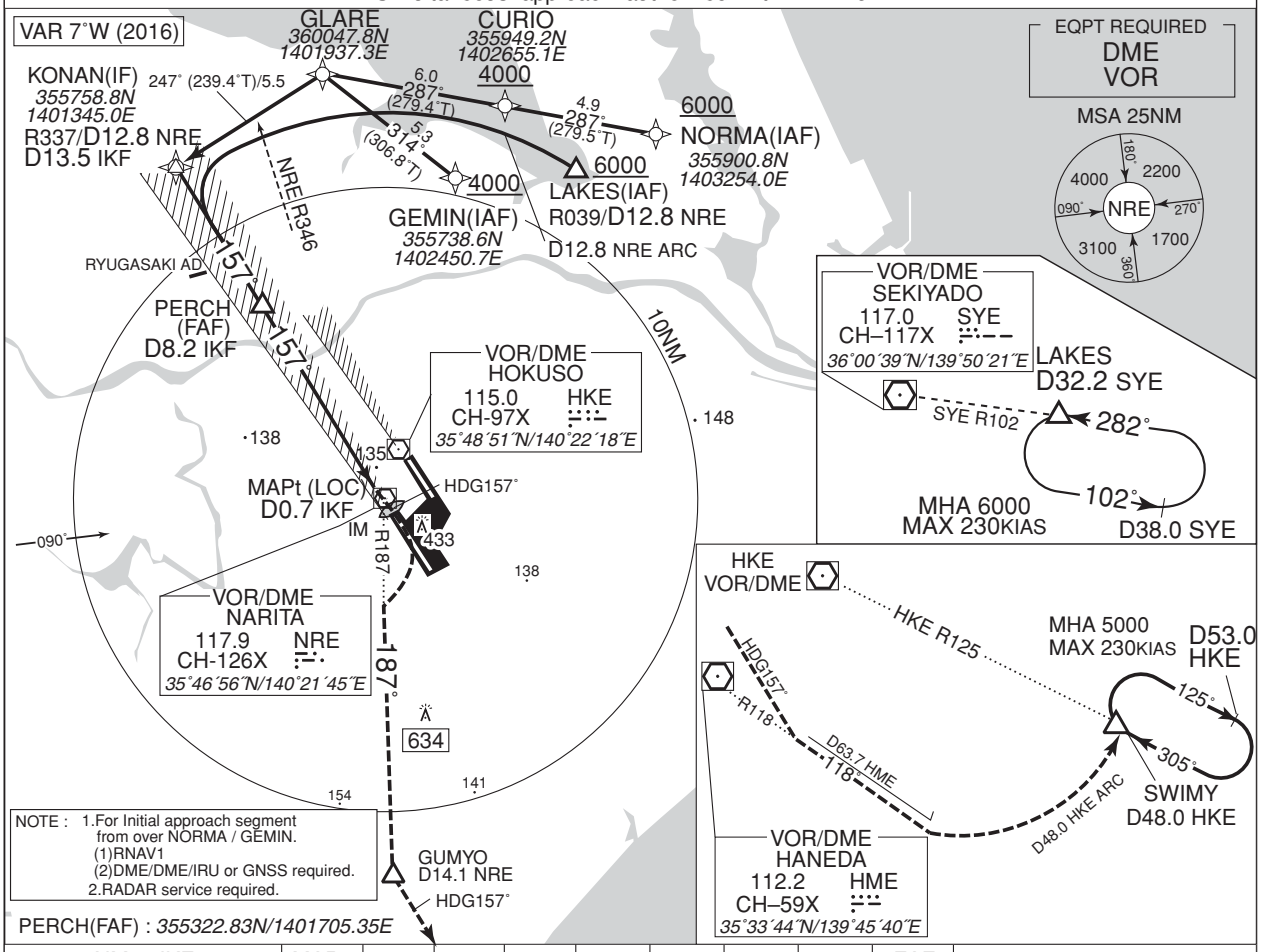
CHANGE : Missed APCH, ALT restriction (ACELA), APP FREQ

INSTRUMENT APPROACH CHART

RJAA / NARITA INTL — ILS Y or LOC RWY16R (CAT Ⅱ & Ⅲ)

TOKYO APP	ILS-LOC	NARITA TOWER	RADAR AVBL
124.4 – 127.7 120.2 – 225.65	111.5 IKF ILS–GP 332.9 ILS–DME CH–52X	118.2–122.7–126.2 236.8–121.95G	ATIS 128.25

Simultaneous approach authorized with RWY16L

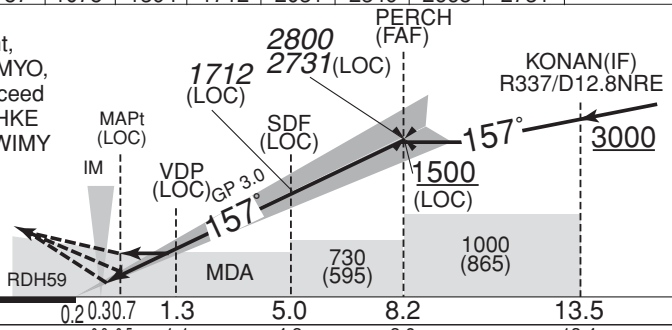


NM to IKF	MAPt	2	3	4	5	6	7	8	FAF
ALT (3.0° APCH Path)	–	757	1075	1394	1712	2031	2349	2668	2731

MISSED APPROACH

Climb to 800FT on HDG157°, turn right, climb to 6000FT via NRE R187 to GUMYO, turn left HDG157° to intercept and proceed via HME R118 to HME 63.7DME, via HKE 48.0DME counterclockwise ARC to SWIMY and hold.
Contact TOKYO APP.

Timing not authorized for defining the MAPt.
No turn before IKF 0.7DME.



DME to IKF	0.2	0.3	0.7	1.3	5.0	8.2	13.5
NM to THR	0	0.2	0.5	1.1	4.8	8.0	13.4

MINIMA THR elev. 130 AD elev. 135

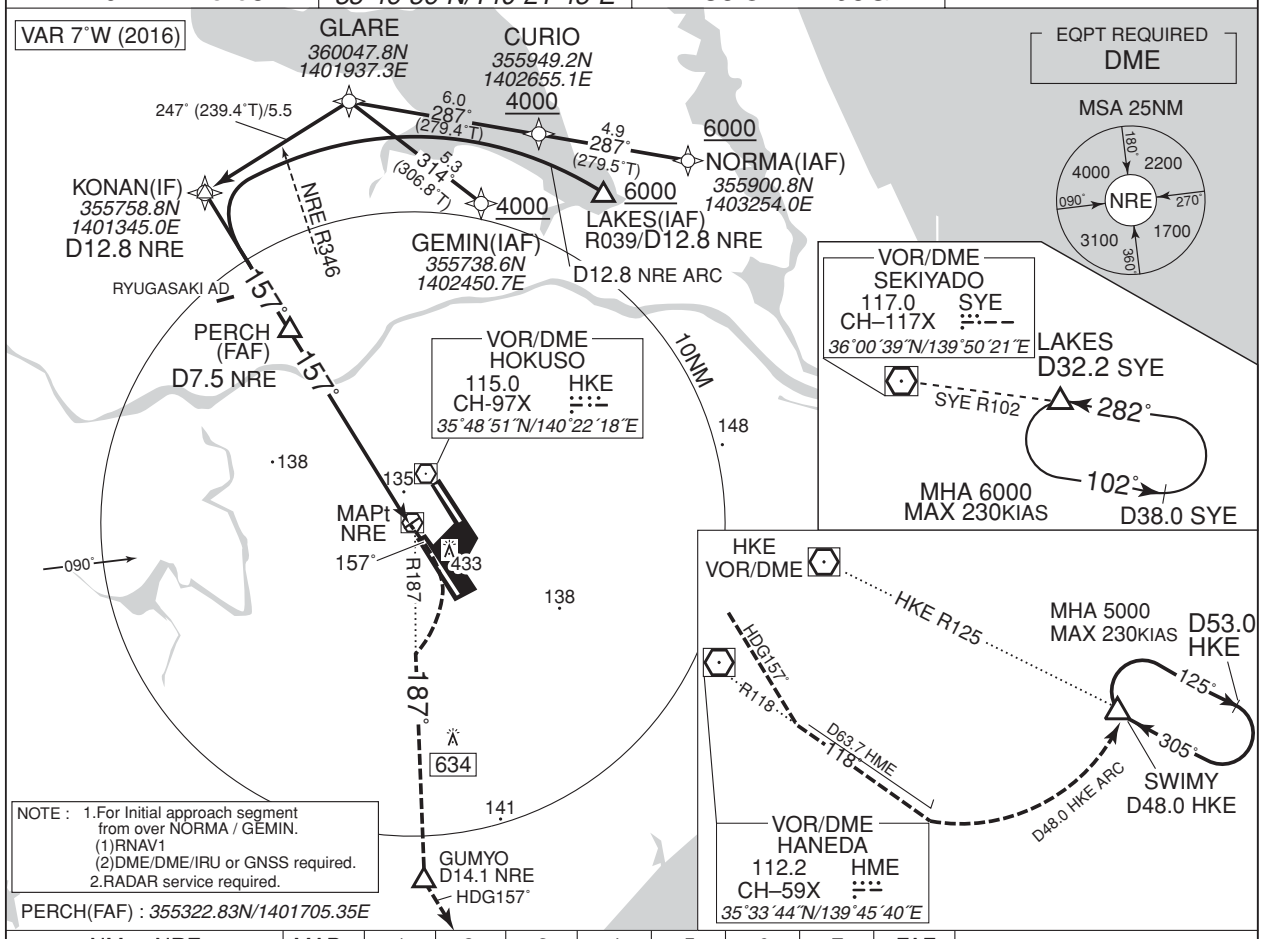
CAT	CAT ⅢB	CAT ⅢA	CAT Ⅱ			CAT Ⅰ		LOC		CIRCLING	
	RVR	RVR	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	100	175	230 (100)	101	300	330 (200)	550	510 (375)	900	730 (595)	1600
B									1000		
C											2400
D									1400		3200

CHANGE : Missed APCH, APP FREQ

INSTRUMENT APPROACH CHART

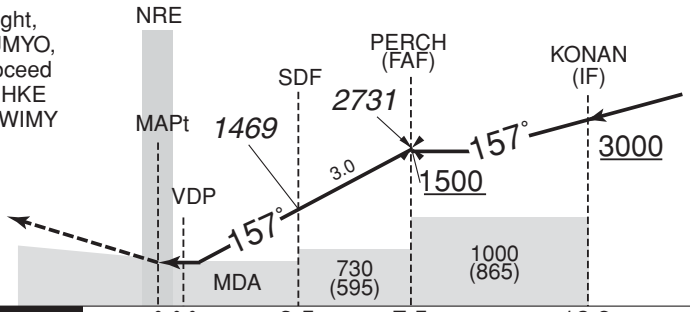
RJAA / NARITA INTL — VOR RWY16R

TOKYO APP	NARITA VOR/DME	NARITA TOWER	RADAR AVBL
124.4 – 127.7	117.9 NRE	118.2–122.7–126.2	ATIS 128.25
120.2 – 225.65	CH-126X *35°46′56″N/140°21′45″E*	236.8–121.95G	



NM to NRE	MAPt	1	2	3	4	5	6	7	FAF
ALT (3.0° APCH Path)	–	673	992	1310	1629	1947	2266	2584	2731

MISSED APPROACH
Climb to 800FT via NRE R157, turn right, climb to 6000FT via NRE R187 to GUMYO, turn left HDG157° to intercept and proceed via HME R118 to HME 63.7DME, via HKE 48.0DME counterclockwise ARC to SWIMY and hold.
Contact TOKYO APP.



Timing not authorized for defining the MAPt.
No turn before MAPt.

DME to NRE		0	0.6	3.5	7.5	12.8
NM to THR	0	0.6	1.2	4.1	8.0	13.4

MINIMA THR elev. 130 AD elev. 135

CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	540 (405)	900	730 (595)	1600
B		1000		
C				2400
D		1400		3200

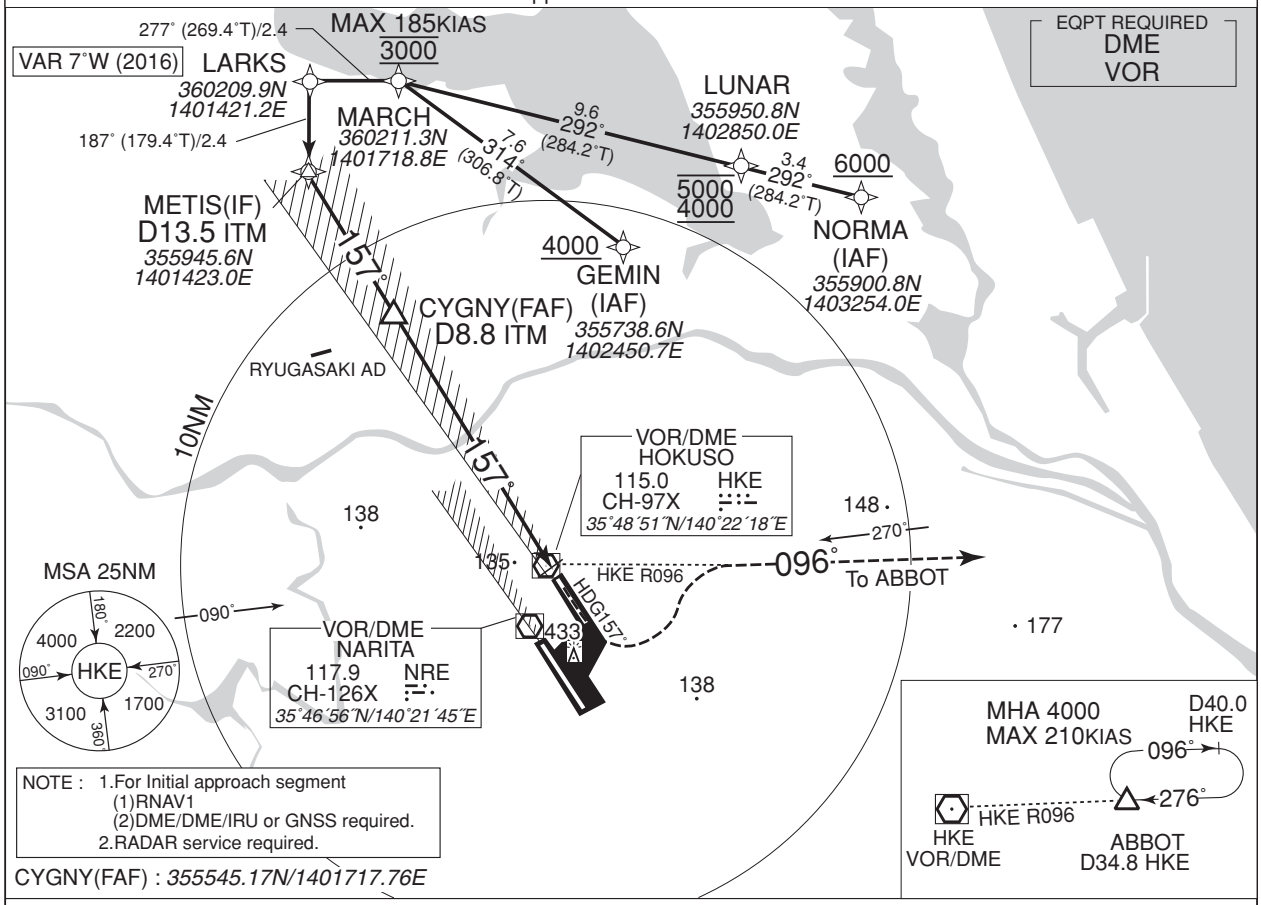
CHANGE : Missed APCH, APP FREQ

INSTRUMENT APPROACH CHART

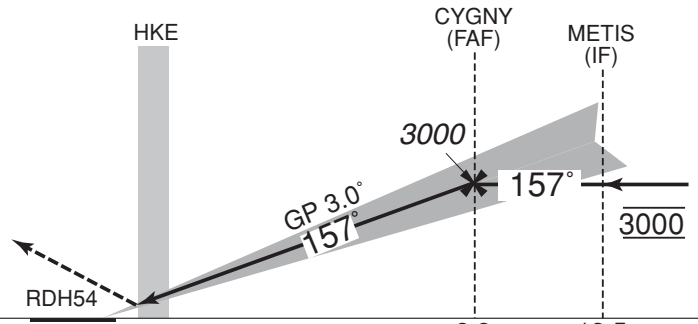
RJAA / NARITA INTL — ILS Z RWY16L

TOKYO APP	ILS – LOC	NARITA TOWER	RADAR AVBL
124.4 – 127.7 120.2 – 225.65	110.7 ITM ILS – GP 330.2 ILS – DME CH–44X	118.35 –122.7–126.2 236.8–121.85G	ATIS 128.25

Simultaneous approach authorized with RWY16R



MISSED APPROACH
Climb to 600FT on HDG157°,
turn left, climb to 6000FT
via HKE R096 to ABBOT
and hold.
Contact TOKYO APP.



DME to ITM	8.8	13.5
NM to THR	8.6	13.3

MINIMA	THR elev. 135		AD elev. 135	
CAT	CAT I		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	VIS
A	335 (200)	550	730 (595)	1600
B				
C				2400
D				3200

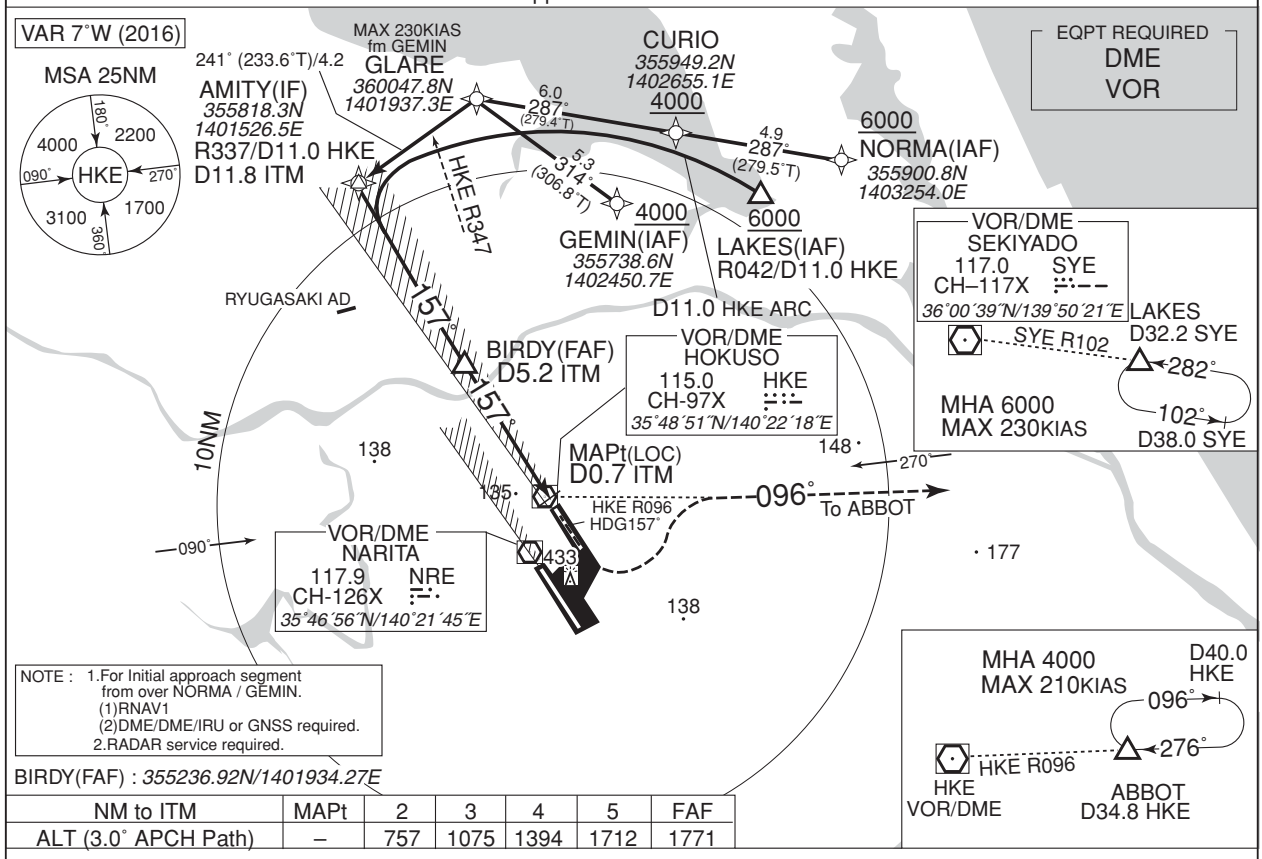
CHANGE : APP FREQ

INSTRUMENT APPROACH CHART

RJAA / NARITA INTL — ILS Y or LOC RWY16L

TOKYO APP	ILS – LOC	NARITA TOWER	RADAR AVBL
124.4 – 127.7 120.2 – 225.65	110.7 ITM ILS – GP 330.2 ILS – DME CH–44X	118.35 –122.7–126.2 236.8–121.85G	ATIS 128.25

Simultaneous approach authorized with RWY16R



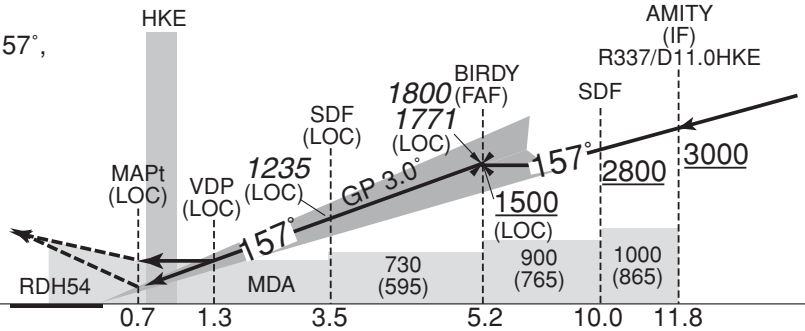
NOTE : 1.For Initial approach segment from over NORMA / GEMIN.
(1)RNAV1
(2)DME/DME/IRU or GNSS required.
2.RADAR service required.

BIRDY(FAF) : *355236.92N/1401934.27E*

NM to ITM	MAPt	2	3	4	5	FAF
ALT (3.0˚ APCH Path)	–	757	1075	1394	1712	1771

MISSED APPROACH
Climb to 600FT on HDG157˚,
turn left, climb to 6000FT
via HKE R096 to ABBOT
and hold.
Contact TOKYO APP.

Timing not authorized for defining the MAPt.



DME to ITM	0.7	1.3	3.5	5.2	10.0	11.8
NM to THR	0.5	1.1	3.3	5.0	9.8	11.6

MINIMA — THR elev. 135 — AD elev. 135

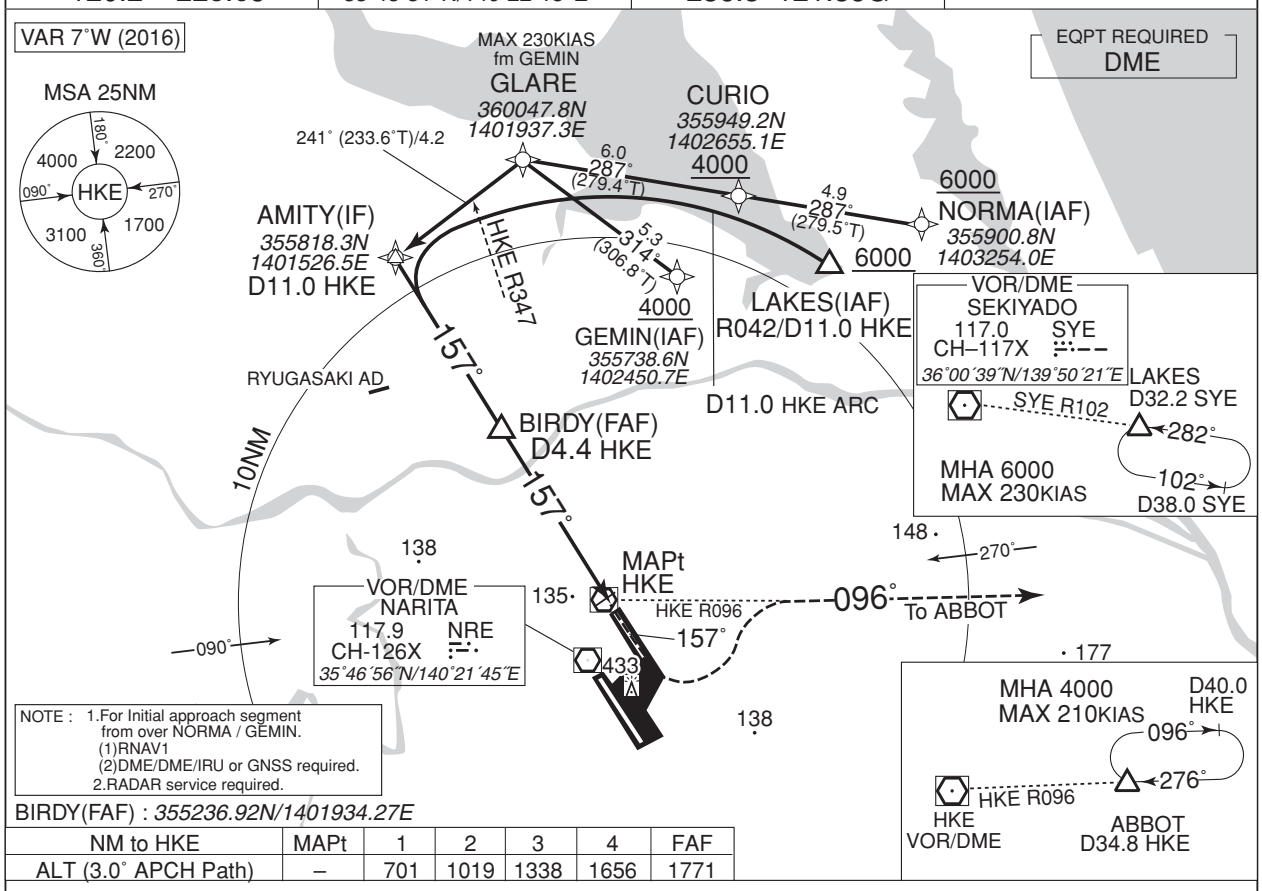
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	335 (200)	550	510 (375)	900	730 (595)	1600
B				1000		
C						2400
D				1400		3200

CHANGE : APP FREQ

INSTRUMENT APPROACH CHART

RJAA / NARITA INTL — VOR RWY16L

TOKYO APP	HOKUSO VOR/DME	NARITA TOWER	RADAR AVBL
124.4 – 127.7 120.2 – 225.65	115.0 HKE CH–97X 35°48′51″N/140°22′18″E	118.35 –122.7–126.2 236.8–121.85G	ATIS 128.25



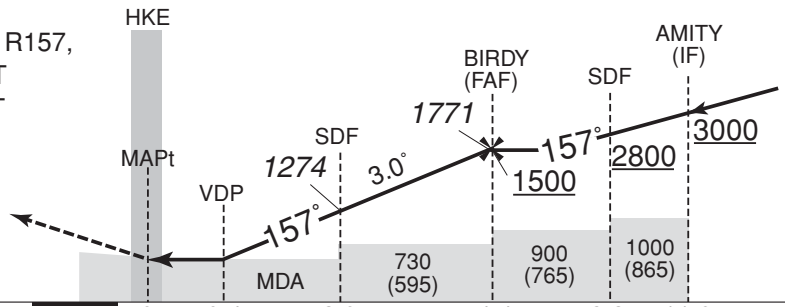
BIRDY(FAF) : *355236.92N/1401934.27E*

NM to HKE	MAPt	1	2	3	4	FAF
ALT (3.0° APCH Path)	–	701	1019	1338	1656	1771

MISSED APPROACH

Climb to 600FT via HKE R157,
turn left, climb to 6000FT
via HKE R096 to ABBOT
and hold.
Contact TOKYO APP.

Timing not authorized for
defining the MAPt.



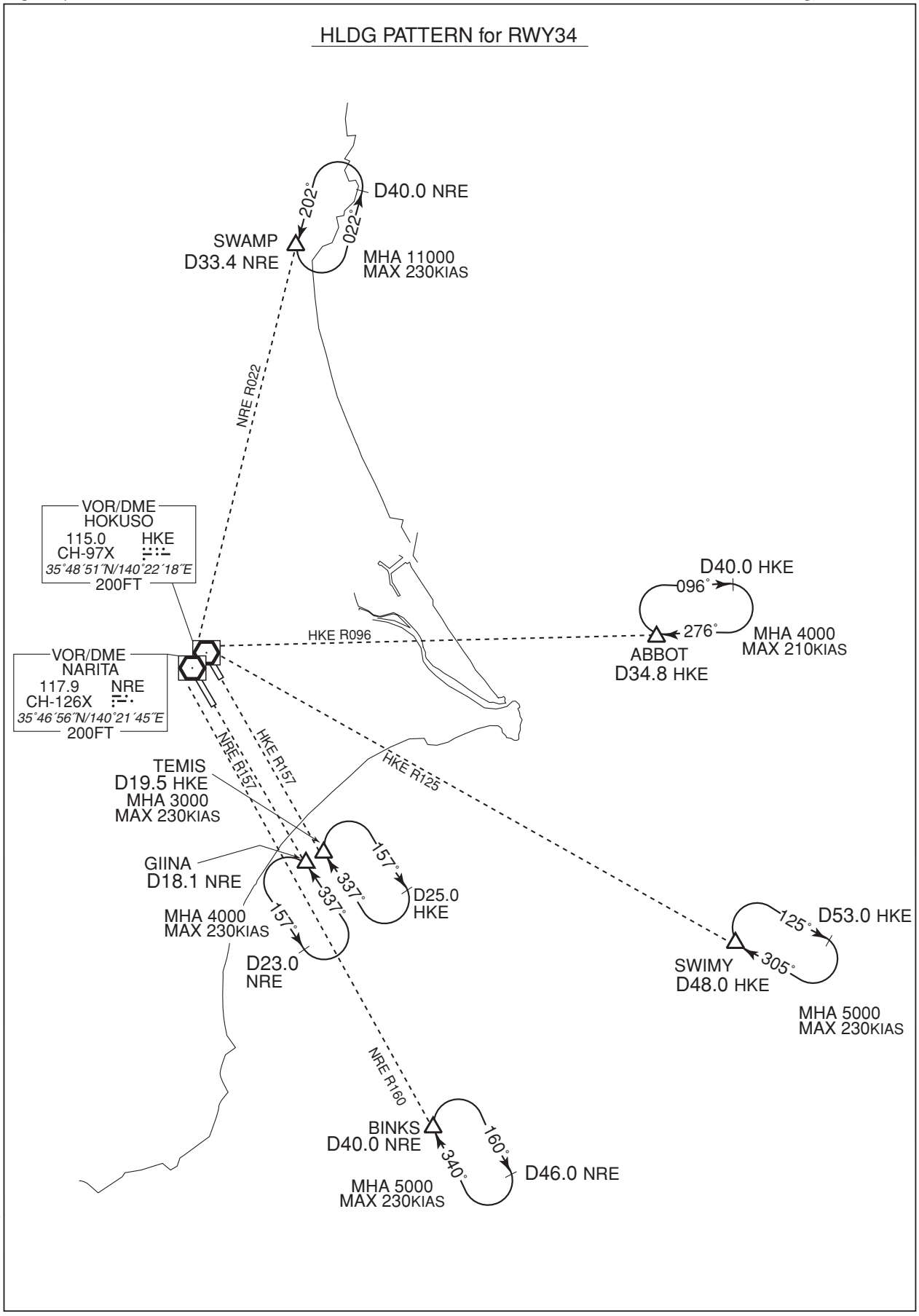
DME to HKE	0	0.4	2.8	4.4	9.2	11.0
NM to THR	0.6	1.1	3.4	5.0	9.8	11.6

MINIMA THR elev. 135 AD elev. 135

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	510 (375)	900	730 (595)	1600
B		1000		
C				2400
D		1400		3200

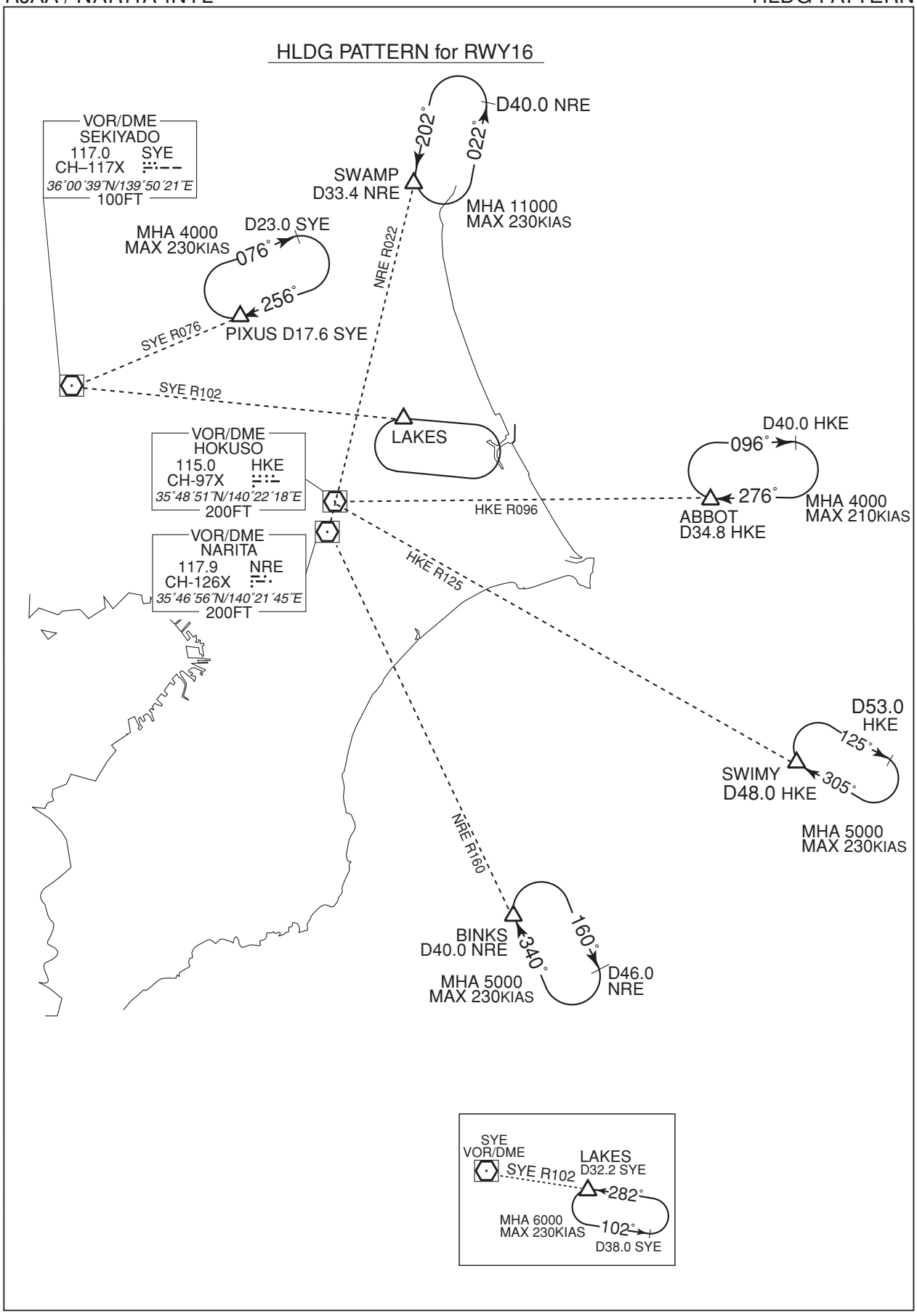
CHANGE : APP FREQ

RJAA / NARITA INTL HLDG PATTERN



CHANGE : Update

RJAA / NARITA INTL HLDG PATTERN



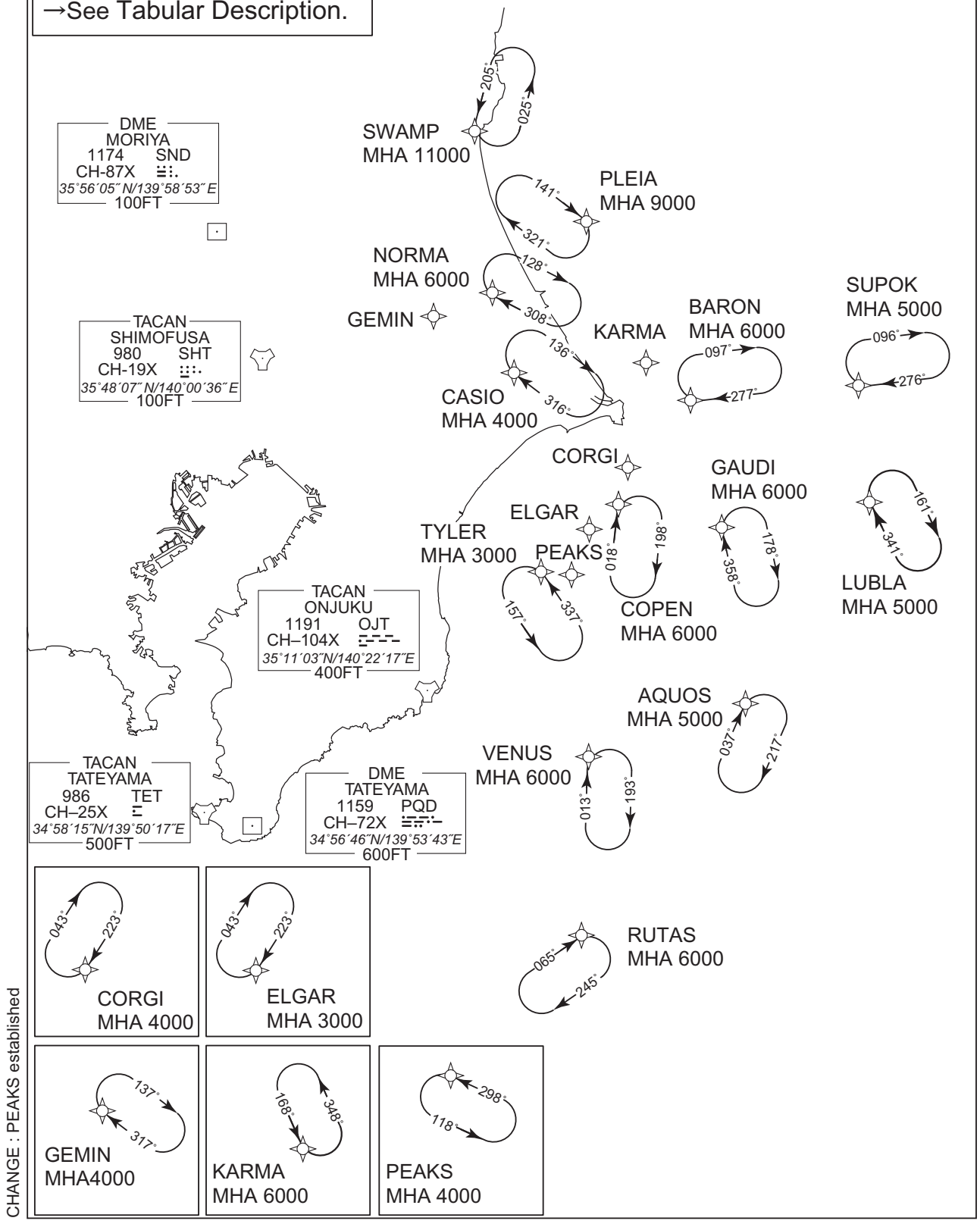
RJAA / NARITA INTL

RNAV HLDG PATTERN

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

RNAV 1

1.Outbound Time / Distance
2.Speed
→See Tabular Description.



RJAA / NARITA INTL

RNAV HLDG PATTERN

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	AQUOS	037 (029.1)	-7.5	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	BARON	277 (270.0)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	CASIO	316 (308.6)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	COPEN	018 (010.5)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	CORGI	223 (215.8)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	ELGAR	223 (215.7)	-7.5	1.0(-14000) 1.5(+14001)	–	R	3000	–	-230(-14000) -240(+14001)	RNAV1
Hold	GAUDI	358 (351.0)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	GEMIN	317 (309.1)	-7.5	1.0(-14000) 1.5(+14001)	–	R	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	KARMA	168 (160.3)	-7.5	1.0(-14000) 1.5(+14001)	–	L	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	LUBLA	341 (333.9)	-7.5	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	NORMA	308 (300.0)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	PEAKS	298 (290.2)	-7.5	1.0(-14000) 1.5(+14001)	–	L	4000	–	-230(-14000) -240(+14001)	RNAV1
Hold	PLEIA	141 (133.1)	-7.5	1.0(-14000) 1.5(+14001)	–	R	9000	–	-230(-14000) -240(+14001)	RNAV1
Hold	RUTAS	065 (057.9)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1
Hold	SUPOK	276 (268.6)	-7.5	1.0(-14000) 1.5(+14001)	–	R	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	SWAMP	205 (197.0)	-7.5	1.0(-14000) 1.5(+14001)	–	L	11000	–	-230(-14000) -240(+14001)	RNAV1
Hold	TYLER	337 (329.8)	-7.5	1.0(-14000) 1.5(+14001)	–	L	3000	–	-230(-14000) -240(+14001)	RNAV1
Hold	VENUS	013 (005.8)	-7.5	1.0(-14000) 1.5(+14001)	–	R	6000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : PEAKS established

RJAA / NARITA INTL

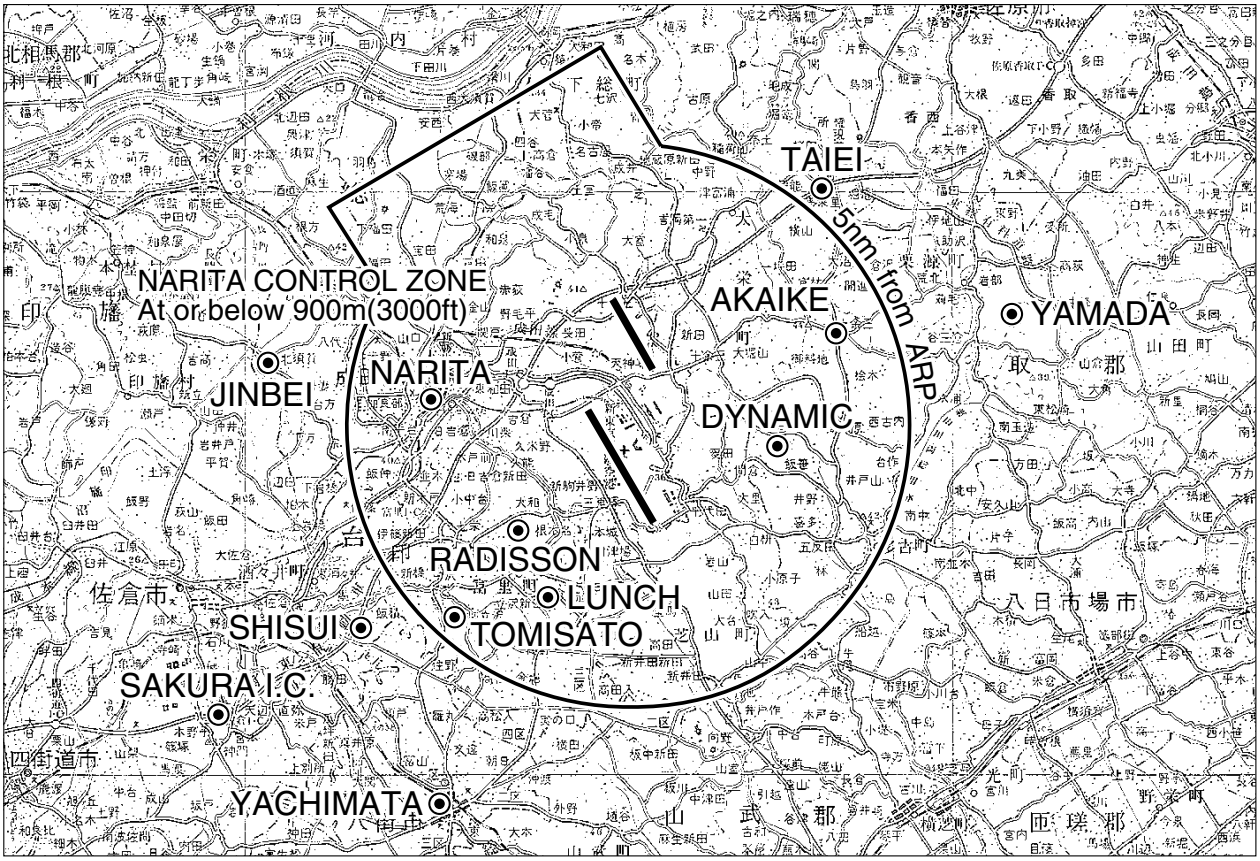
RNAV HLDG PATTERN

Waypoint Coordinates

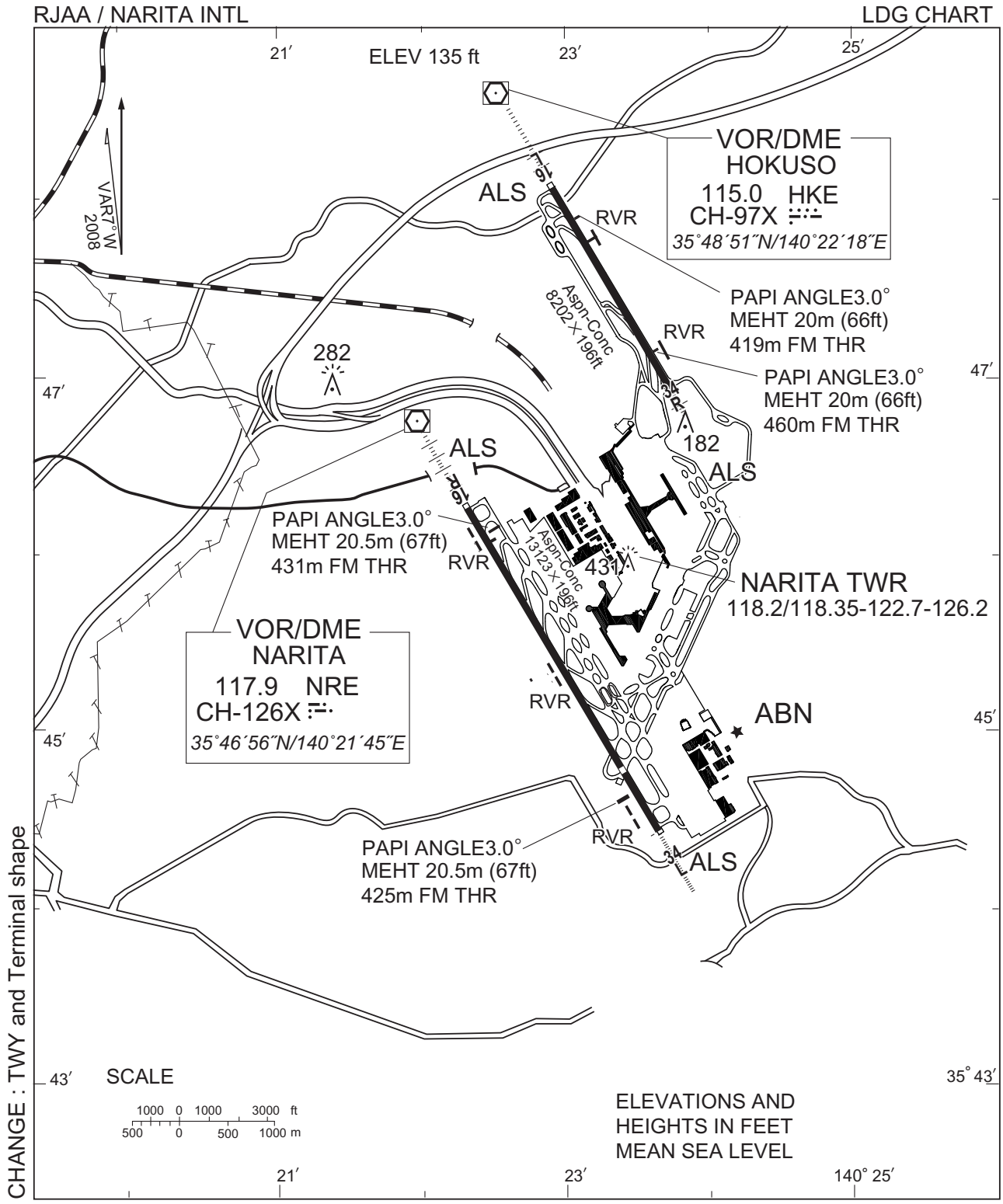
Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AQUOS	*351229.7N / 1410942.5E*	LUBLA	*353235.0N / 1412550.8E*
BARON	*354551.0N / 1410112.0E*	NORMA	*355900.8N / 1403254.0E*
CASIO	*355021.4N / 1403556.1E*	PEAKS	*352507.2N / 1404352.7E*
COPEN	*353303.7N / 1404939.2E*	PLEIA	*360734.8N / 1404745.4E*
CORGI	*353829.8N / 1405138.9E*	RUTAS	*344349.3N / 1404034.2E*
ELGAR	*353129.2N / 1404527.4E*	SUPOK	*354614.1N / 1412810.0E*
GAUDI	*353002.4N / 1410418.1E*	SWAMP	*361914.4N / 1403217.0E*
GEMIN	*355738.6N / 1402450.7E*	TYLER	*352650.5N / 1403807.8E*
KARMA	*355042.9N / 1405512.4E*	VENUS	*350440.1N / 1404309.7E*

CHANGE : PEAKS established

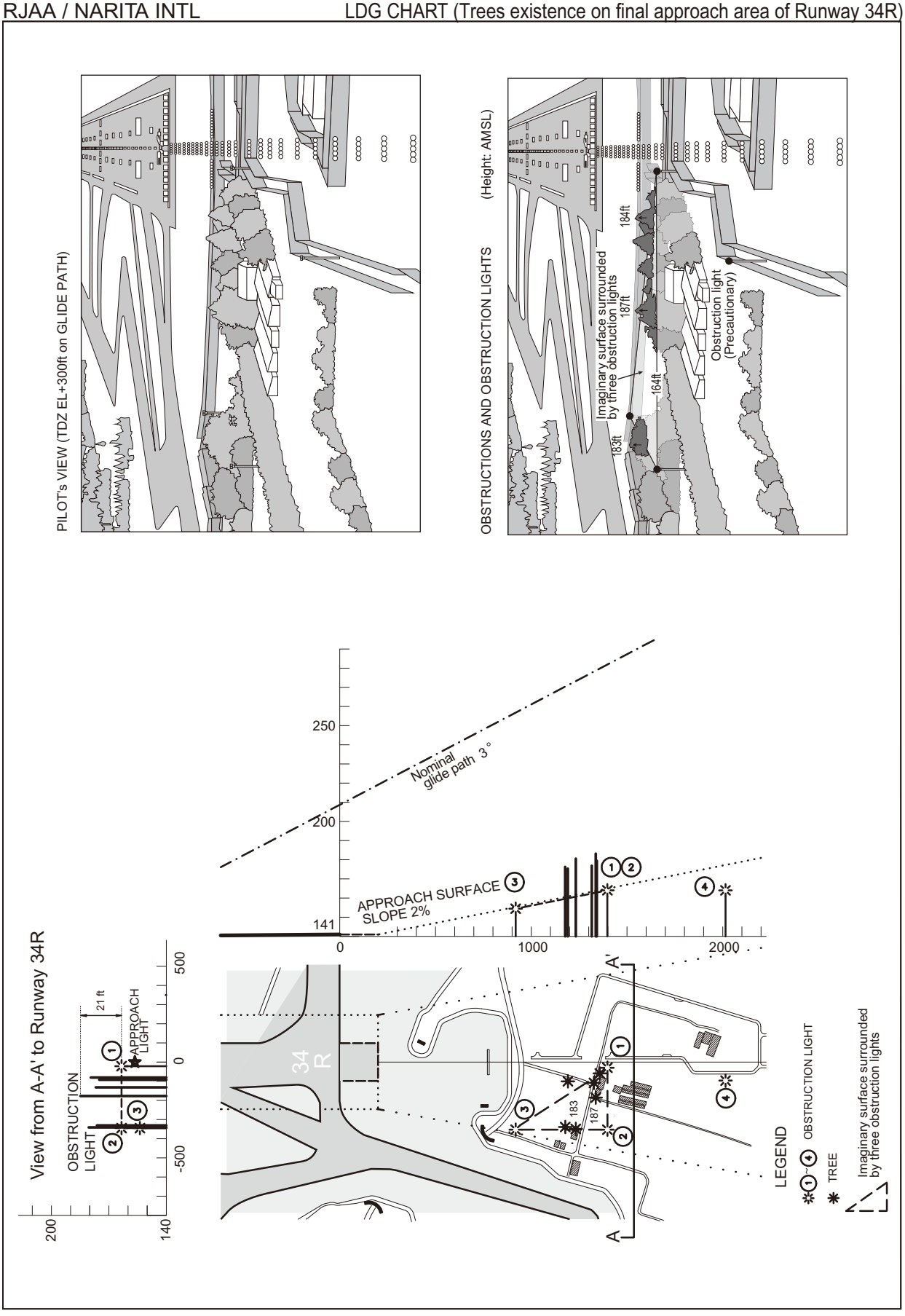
RJAA / NARITA INTL Visual REP



Call sign	BRG / DIST from ARP	Remarks
山　田 Yamada	083˚/6.9NM	山田 ARSRサイト Yamada ARSR Site
八　街 Yachimata	209˚/7.0NM	JR 八街駅 JR Station
佐倉インターチェンジ Sakura Interchange	237˚/8.6NM	東関東自動車道佐倉インターチェンジ Interchange
成　田 Narita	281˚/3.7NM	JR 成田駅 JR Narita Station
ラディソン Radisson	236˚/2.5NM	ラディソンホテル Radisson Hotel
ダイナミック Dynamic	092˚/2.5NM	ダイナミックゴルフ倶楽部クラブハウス Dynamic Golf Club House
赤　池 Akaike	061˚/3.8NM	赤池交差点 Akaike Intersection
大　栄 Taiei	036˚/5.3NM	東関東自動車道大栄インターチェンジ Interchange
ランチ Lunch	216˚/2.9NM	給食センター Lunch Center
富　里 Tomisato	225˚/4.4NM	富里第二工業団地 Industrial Park
酒々井 Shisui	237˚/5.9NM	酒々井パーキングエリア Parking Area
甚兵衛 Jinbei	284˚/6.8NM	甚兵衛大橋 Jinbei Bridge


RJAA / NARITA INTL
LDG CHART
ELEV 135 ft
21′
23′
25′
47′
45′
43′
35° 43′
140° 25′
VAR7°W
2008
VOR/DME
HOKUSO
115.0 HKE
CH-97X
35°48′51″N/140°22′18″E
ALS
RVR
PAPI ANGLE3.0°
MEHT 20m (66ft)
419m FM THR
Aspn-Conc
8202×196ft
282
PAPI ANGLE3.0°
MEHT 20m (66ft)
460m FM THR
182
ALS
PAPI ANGLE3.0°
MEHT 20.5m (67ft)
431m FM THR
Aspn-Conc
13123×196ft
431
NARITA TWR
118.2/118.35-122.7-126.2
VOR/DME
NARITA
117.9 NRE
CH-126X
35°46′56″N/140°21′45″E
ABN
PAPI ANGLE3.0°
MEHT 20.5m (67ft)
425m FM THR
CHANGE : TWY and Terminal shape
SCALE
1000 0 1000 3000 ft
500 0 500 1000 m
ELEVATIONS AND
HEIGHTS IN FEET
MEAN SEA LEVEL

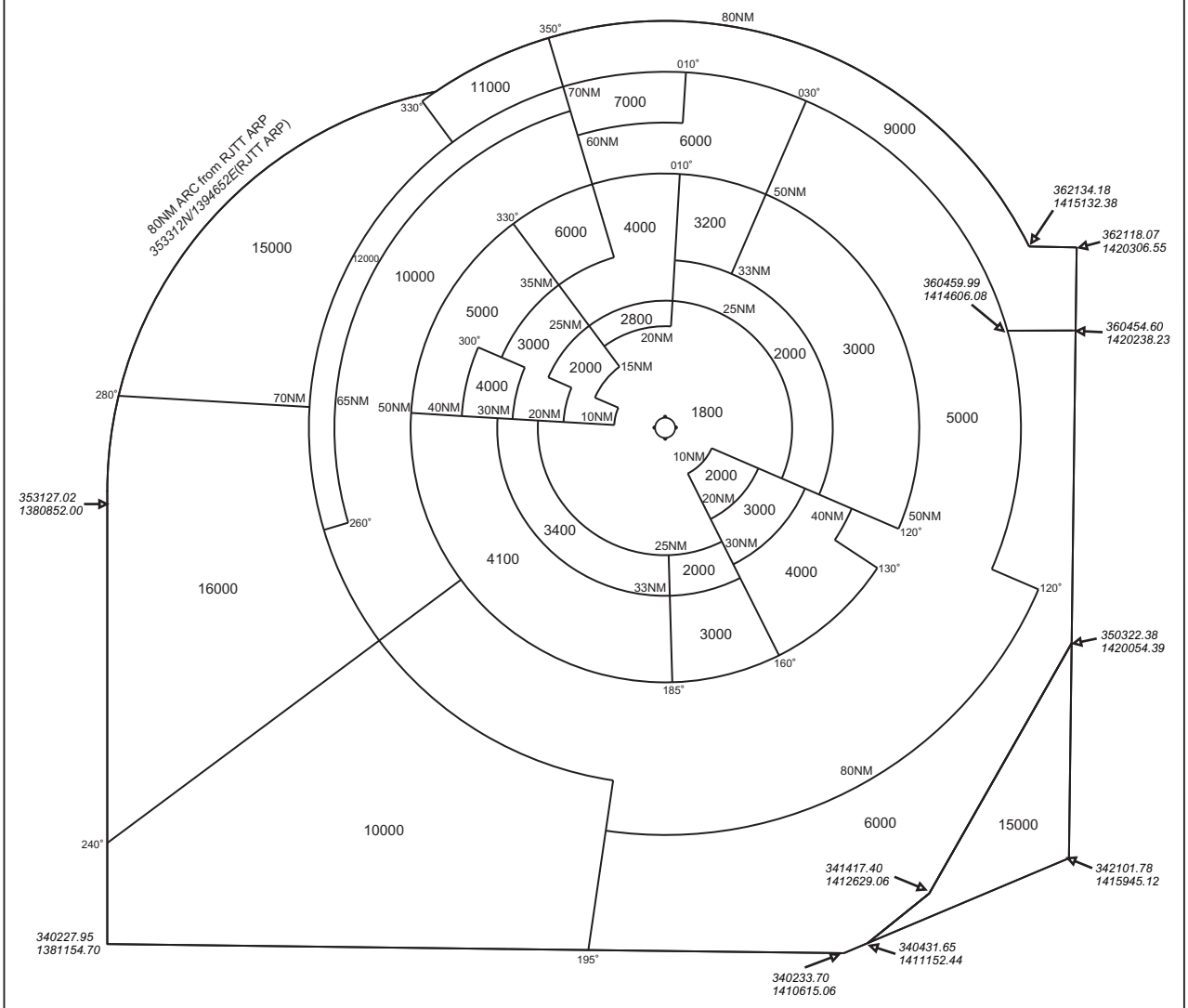
RJAA / NARITA INTL LDG CHART (Trees existence on final approach area of Runway 34R)



RJAA / NARITA INTL

Minimum Vectoring Altitude CHART

VAR 8° W(2019)



CENTER : *354555N/1402308E*(RJAA ARP)

CHANGE : Update

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