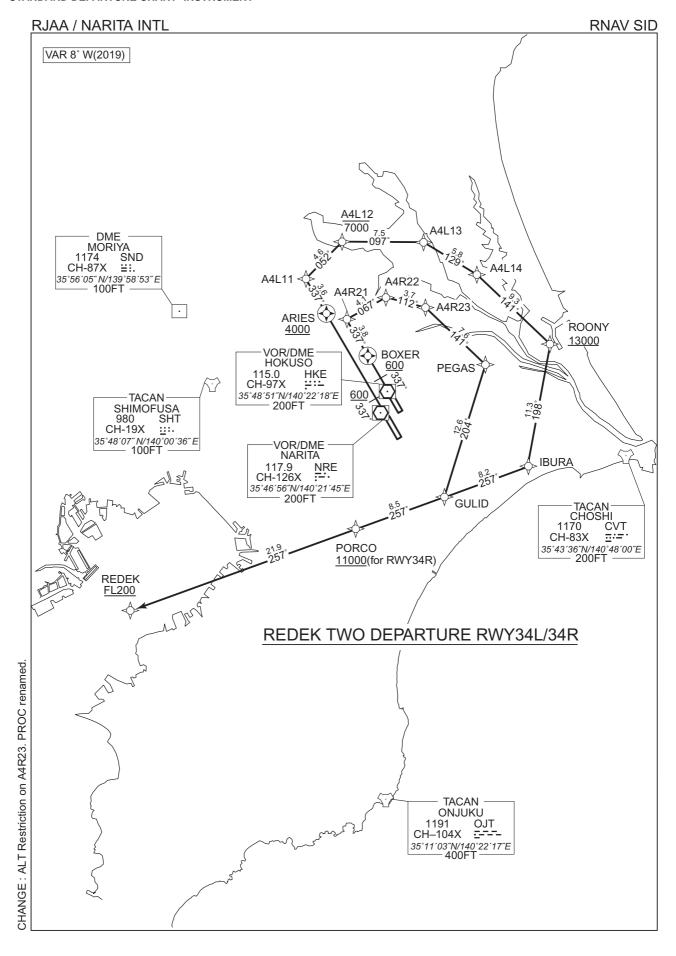
RJAA / NARITA INTL **RNAV SID** REDEK TWO DEPARTURE RNAV1 RWY16R:TLD DER - 1.3NM FM DER Critical DME Note 1) DME/DME/IRU or GNSS required. RWY16L:TLD DER - 3.4NM FM DER %The aircraft equipped with only DME/DME/IRU must be able to update its position without delay DME GAP RWY34L:DER - 1.3NM FM DER at the starting point of take-off rolling. 2) RADAR service required. Inappropriate See AD1.1.6.10.3.Inappropriate NAVAIDs for RNAV1 Navaids VAR 8° W(2019) MAX 183(48) RWY16L : See TAKE OFF MINIMA TACAN VOR/DME SHIMOFUSA 980 SHT CH-19X :::: HOKUSO 115.0 CH-97X HKE 35°48′07″*N/140*°00′36″*E* 100FT 35°48′51″N/140°22′18″E CHOSHI 200FT 1170 CVT CH-83X VOR/DME 35°43′36″N/140°48′00″E NARITA 117.9 CH-126X 600 35°46′56″N/140°21′45″E 200FT 283 AA632 **ACURE PAGOT** FL160 ِي ص **BEAMS** AA631 700 ASPEN REDEK FL200 A6L21 A6R12 <u>2</u>8.6 KUJYU 11000 REDEK TWO DEPARTURE RWY16R/16L TACAN ONJUKU 1191 O. CH–104X Ξ= OJT 35°11′03″N/140°22′17″E 400FT

CHANGE: PROC renamed



RJAA / NARITA INTL RNAV SID

REDEK TWO DEPARTURE

RWY16R: Climb on HDG 157° at or above 600FT, direct to <u>ASPEN</u>, 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 <u>BEAMS</u>, 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 <u>ARIES</u> 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 <u>BOXER</u>, 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.

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Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
Number	Descriptor*	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
001	VA	_	-	157 (149.6)	-7.5	_	-	+600	_	_	RNAV1
002	DF	ASPEN	Υ	-	-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

RWY16	L	^MUST	be us	sed for	r 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	Υ	_	-7.5	_	1	_	_	_	RNAV1
003	TF	A6L21	1	157 (149.7)	-7.5	4.5	1	-	ı	_	RNAV1
004	TF	AA631	-	067 (059.5)	-7.5	9.3	-	_	_	_	RNAV1
005	TF	AA632	-	337 (329.8)	-7.5	9.8	I	-	1	_	RNAV1
006	TF	ACURE	_	283 (275.3)	-7.5	8.9	-	_	_	_	RNAV1
007	TF	PAGOT	-	232 (224.1)	-7.5	6.9	-	+FL160	-	_	RNAV1
800	TF	REDEK	_	250 (242.6)	-7.5	25.8	_	+FL200	_	_	RNAV1

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RNAV SID

RWY34L *MUST be used for database coding.											
Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
Number	Descriptor*	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
001	VA	_	_	337 (329.6)	-7.5	_	_	+600	_	_	RNAV1
002	DF	ARIES	Υ	_	-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
800	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

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	Υ	_	-7.5	_	_	_	_	_	RNAV1
003	TF	A4R21	_	337 (329.6)	-7.5	3.8	_	ı	1	_	RNAV1
004	TF	A4R22	_	067 (059.3)	-7.5	4.1	_	_	_	_	RNAV1
005	TF	A4R23	_	112 (104.6)	-7.5	3.7	_	1	1	_	RNAV1
006	TF	PEGAS	_	141 (133.4)	-7.5	7.6	_	_	-	_	RNAV1
007	TF	GULID	_	204 (196.9)	-7.5	12.6	_	-	_	_	RNAV1
800	TF	PORCO	_	257 (249.7)	-7.5	8.5	_	+11000	_	_	RNAV1
009	TF	REDEK	_	257 (249.6)	-7.5	21.9	_	+FL200	_	_	RNAV1

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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