RJCC / NEW CHITOSE RNAV SID SOSHU ONE DEPARTURE RNAV1 Note 1) DME/DME/IRU or GNSS required. RWY01L/01R Critical DME CHE: 2.0NM FM DER - 2.0NM to CC01T %The aircraft equipped with only DME/DME/IRU must be able to update its position without delay RWY01L/01R: DER - 2.0NM FM DER at the starting point of take-off roll. DME GAP 3.0NM to CHE - CHE 2) RADAR service required. RWY19L/19R: DER - CHE Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 VAR 9°W (2009) 4.7 CC02T CC01T 092° N42-52-19.6 N42-51-43.3 (082.6°T) E141-48-09.7 E141-41-46.6 3000 500 CC03T N42-48-19.6 E141-48-51.5 500 CHITOSE(CHE) N42-41-59.7 E141-41-10.2 VOR/DME CHITOSE 116.9 CHE CH-116X 42°42′00″N/141°41′10″E - 100FT -

SOSHU ONE DEPARTURE

RWY01L/01R: Climb on HDG002° at or above 500FT, direct to CC01T, to CC02T, to CC03T at or above

Note: 5.0% climb gradient required up to 500FT.

3000FT, to CHITOSE(CHE).

RWY19R/19L: Climb on HDG182° at or above 500FT, direct to CHITOSE(CHE).

RJCC / NEW CHITOSE

RNAV SID

SOSHU ONE DEPARTURE

RWY01L/01R

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course [M°(T°)]	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	_	_	002 (352.6)	-9.1	_	_	+500	_	_	RNAV1
002	DF	CC01T	_		-9.1	_	_	_	_	_	RNAV1
003	TF	CC02T	_	092 (082.6)	-9.1	4.7	_	_	_	_	RNAV1
004	TF	CC03T	_	182 (172.7)	-9.1	4.0	_	+3000	_	_	RNAV1
005	TF	CHITOSE (CHE)	_	231 (221.8)	-9.1	8.5	_	_	_	_	RNAV1

Serial Number	Path Descriptor	Waypoint Identifier			Magnetic Variation		Turn Direction	Altitude (FT)			Navigation Specification
001	VA	_	_	182 (172.6)	-9.1	_	_	+500	_	_	RNAV1
002	DF	CHITOSE (CHE)	_	_	-9.1	_	_	_	_	_	RNAV1

RJCC / NEW CHITOSE **RNAV SID** REZOT TWO DEPARTURE RNAV1 Note 1) DME/DME/IRU or GNSS required. RWY01L/01R CHE: 2.0NM FM DER – 2.0NM to CC01T MKE: CHE – 18.0NM to REZOT ZYT: CHE – 18.0NM to REZOT %The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. RWY19L/19R MKE: 3.0NM to CC06T – 16.0NM to REZOT 7.0NM to REZOT – REZOT ZYT: 3.0NM to CC06T – 1.0NM to CC06T Critical DME 2) RADAR service required. 7.0NM to REZOT - REZOT RWY01L/01R: DER – 2.0NM FM DER, 3.0NM to CHE – CHE RWY19L/19R: RWY01L/01R, RWY19L/19R DME GAP SPE: 4.0NM to TEKKO - TEKKO DER - 3.0NM to CC06T Inappropriate Navaids See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 CC02T VAR 9°W (2016) CC01T 092 N42-52-19.6 N42-51-43.3 E141-48-09.7 E141-41-46.6 CC03T 002 500 3000 N42-48-19.6 VOR/DME E141-48-51.5 500 CHITOSE 182 116.9 CHE CH-116X 42°42′00″N/141°41′10″E CHITOSE(CHE) 100FT N42-41-59.7 E141-41-10.2 256° (246.4° N42-33-58.9 20.1 E141-16-21.0 269 CC06T T) (259.9° **REZOT** N42-37-32.8 E141-43-13.3 N42-30-07.1 E141-04-31.0 **REZOT TWO DEPARTURE** TEKKO **11000** Note: 5.0% climb gradient required up to 500FT. **REZOT TWO DEPARTURE** RWY01L/01R: Climb on HDG002° at or above 500FT, direct to CC01T, to CC02T, to CC03T at or above 3000FT, to CHITOSE(CHE), to REZOT, to TEKKO at or above 11000FT. RWY19R/19L: Climb on HDG182° at or above 500FT, direct to CC06T, to REZOT, to TEKKO at or above 11000FT.

RJCC / NEW CHITOSE

RNAV SID

REZOT TWO DEPARTURE

RWY01L/01R

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	_	_	002 (352.6)	-9.3	_	_	+500	_	_	RNAV1
002	DF	CC01T	_	_	-9.3	_	_	_	_	_	RNAV1
003	TF	CC02T	_	092 (082.6)	-9.3	4.7	_	_	_	_	RNAV1
004	TF	CC03T	_	182 (172.7)	-9.3	4.0	_	+3000	_	_	RNAV1
005	TF	CHITOSE (CHE)	_	231 (221.8)	-9.3	8.5	_	-	_	_	RNAV1
006	TF	REZOT	_	256 (246.4)	-9.3	20.0	_	_	_	_	RNAV1
007	TF	TEKKO	_	256 (246.2)	-9.3	9.5	_	+11000	_	_	RNAV1

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Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course [M°(T°)]	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	_	ı	182 (172.6)	-9.3	_	1	+500	1	_	RNAV1
002	DF	CC06T	_	_	-9.3	_	-	_	_	_	RNAV1
003	TF	REZOT	_	269 (259.9)	-9.3	20.1	ı	-	_	_	RNAV1
004	TF	TEKKO	_	256 (246.2)	-9.3	9.5	-	+11000	_	_	RNAV1

RJCC / NEW CHITOSE RNAV SID JUGGLAR ONE DEPARTURE RNAV1 Note 1) DME/DME/IRU or GNSS required. RWY01L/01R CHE: 2.0NM FM DER - 2.0NM to CC01T %The aircraft equipped with only DME/DME/IRU 3.0NM to CC04T - CC04T must be able to update its position without delay MKE: 4.0NM to CC05T - 23.0NM to TOBBY at the starting point of take-off roll. 12.0NM to TOBBY - 4.0NM to TOBBY 2) RADAR service required. SPE: 18.0NM to TOBBY - 4.0NM to TOBBY Critical DMF RWY01L/01R : DER – 2.0NM FM DER CC04T – 4.0NM to CC05T RWY19I /19R 4.0NM to TOBBY - TOBBY DME GAP MKE: 3.0NM to CC06T - 3.0NM to TOBBY RWY19L/19R: DER - 3.0NM to CC06T ZYT: 3.0NM to CC06T - 1.0NM to CC06T 3.0NM to TOBBY - TOBBY SPE: 17.0NM to TOBBY - 3.0NM to TOBBY See AD1.1.6.10.3. Inappropriate Inappropriate Navaids NAVAIDs for RNAV1 VAR 9°W (2009) CC02T CC01T N42-52-19.6 N42-51-43.3 E141-48-09.7 E141-41-46.6 500 CC03T 3000 N42-48-19.6 E141-48-51.5 500 82 VOR/DME **CHITOSE** 116.9 CHE CH-116X :··· \odot 42°42′00″N/141°41′10″E 100FT CC04T N42-39-05.4 6000 E141-48-17.0 CC06T N42-37-32.8 VOR/DME F141-43-13.3 MUKAWA 116.4 MKE CH-111X === 182 \bigcirc <u>ω</u>55 CC05T 42°33′18″N/141°57′20″E . O 100FT N42-32-09.9 E141-47-51.3 7000 CC07T N42-15-06.6 E141-44-28.7 11000 6 **TOBBY** N41-55-07.3 F141-45-35.9 Note: 5.0% climb gradient required up to 500FT. JUGGLAR ONE DEPARTURE RWY01L/01R: Climb on HDG002° at or above 500FT, direct to CC01T, to CC02T, to CC03T at or above 3000FT, to CC04T at or above 6000FT, to CC05T at or above 7000FT, to TOBBY. RWY19R/19L: Climb on HDG182° at or above 500FT, direct to CC06T, to CC07T at or below 11000FT, to TOBBY.

RJCC / NEW CHITOSE

RNAV SID

JUGGLAR ONE DEPARTURE

RWY01L/01R

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	_	_	002 (352.6)	-9.1	_	_	+500	_	_	RNAV1
002	DF	CC01T	-	_	-9.1	_	_	_	_	_	RNAV1
003	TF	CC02T	_	092 (082.6)	-9.1	4.7	_	_	_	_	RNAV1
004	TF	CC03T	-	182 (172.7)	-9.1	4.0	_	+3000	_	_	RNAV1
005	TF	CC04T	_	192 (182.6)	-9.1	9.3	_	+6000	_	_	RNAV1
006	TF	CC05T	_	192 (182.6)	-9.1	6.9	_	+7000	_	_	RNAV1
007	TF	TOBBY	-	192 (182.6)	-9.1	37.1	_	_	_	_	RNAV1

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	Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course [M°(T°)]	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
	001	VA	_	_	182 (172.6)	-9.1	_	_	+500	_	_	RNAV1
	002	DF	CC06T	_	_	-9.1	_	_	_	_	_	RNAV1
	003	TF	CC07T	_	187 (177.6)	-9.1	22.5	_	-11000	_	_	RNAV1
	004	TF	TOBBY	_	187 (177.6)	-9.1	20.0	_	_	_	_	RNAV1

RJCC / NEW CHITOSE RNAV SID PATRUSH ONE DEPARTURE RNAV 1 Note 1) DME/DME/IRU or GNSS required. RWY01L/01R %The aircraft equipped with only DME/DME/IRU SPE: 7.0NM to KURIS - KURIS must be able to update its position without delay at the starting point of take-off roll. Critical DMF RWY19L/19R 2) RADAR service required. SPE: 1.0NM to CC02H - CC02H RWY01L/01R: DER - 2.0NM FM DER 7.0NM to KURIS - KURIS DME GAP RWY19L/19R: DER - 1.0NM to CC02H CHE: 1.0NM to CC02H - 4.0NM to CC03H See AD1.1.6.10.3. Inappropriate Inappropriate NAVAIDs for RNAV1 Navaids **KURIS** N43-09-18.8 VAR 9°W (2009) E141-42-21.6 7 (FM CC03H) CC01H (Only for RWY01L/01R) N43-00-30.7 E141-46-02.9 CC03N N42-56-43.4 6 E141-45-02.8 3000 CC02N N42-52-47.8 E141-44-00.6 CC01N N42-50-47.9 E141-40-53.6 <u>500</u> 002 CC03H N42-45-44.0 E141-52-12.1 500 5000 VOR/DME CHITOSE CC01Y 116.9 CHE N42-41-13.9 \odot E141-42-35.7 CH-116X 42°42′00″N/141°41′10″E 100FT CC02H N42-39-59.6 E141-50-47.8 3000 CC02Y VOR/DME N42-39-03.3 **MUKAWA** 116.4 MKE CH-111X == E141-46-39.1 42°33′18″N/141°57′20″E 100FT $\langle \cdot \rangle$ Note: 5.0% climb gradient required up to 500FT. PATRUSH ONE DEPARTURE RWY01L/01R: Climb on HDG 002° at or above 500FT, direct to CC01N, to CC02N, to CC03N at or above 3000FT, to CC01H, to KURIS. RWY19R/19L: Climb on HDG 182° at or above 500FT, direct to CC01Y, to CC02Y at or above 3000FT, to CC02H, to CC03H at or above 5000FT, to KURIS. Note: 5.0% climb gradient required up to 500FT.

RJCC / NEW CHITOSE

RNAV SID

PATRUSH ONE DEPARTURE

RWY01L/01R

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	_	_	002 (352.6)	-9.1	_	_	+500	_	_	RNAV1
002	DF	CC01N	_	_	-9.1	_	_	_	_	_	RNAV1
003	TF	CC02N	_	058 (048.8)	-9.1	3.0	_	_	_	_	RNAV1
004	TF	CC03N	_	020 (010.9)	-9.1	4.0	_	+3000	_	_	RNAV1
005	TF	CC01H	_	020 (010.9)	-9.1	3.9	_	_	_	_	RNAV1
006	TF	KURIS	_	352 (343.0)	-9.1	9.2	_	_	_	_	RNAV1

114411	011/10L										
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	_	_	182 (172.6)	-9.1	_	_	+500	_	_	RNAV1
002	DF	CC01Y	_	_	-9.1	_	_	_	_	-	RNAV1
003	TF	CC02Y	_	135 (126.1)	-9.1	3.7	_	+3000	_	_	RNAV1
004	TF	CC02H	_	082 (072.9)	-9.1	3.2		_	_	_	RNAV1
005	TF	CC03H	_	019 (010.2)	-9.1	5.8	-	+5000	_	_	RNAV1
006	TF	KURIS	_	352 (343.1)	-9.1	24.7	_	_	_	_	RNAV1

RJCC / NEW CHITOSE **RNAV SID** YOSAN ONE DEPARTURE RNAV1 Note 1) DME/DME/IRU or GNSS required. RWY19L/19R MKE: 3.0NM to CC06T - 6.0NM to YASKN %The aircraft equipped with only DME/DME/IRU must be able to update its position without delay 3.0NM to YASKN - 1.0NM to YASKN at the starting point of take-off roll. YASKN - 3.0NM to YOSAN 5.0 NM to TOBBY -3.0 NM to TOBBY ZYT : 3.0 NM to CC06T -1.0 NM to CC06T 2) RADAR service required. YASKN - 5.0NM to MISTA Critical DME RWY19L/19R: DER - 3.0NM to CC06T SPE: 5.0NM to TOBBY - 3.0NM to TOBBY HWE: 19.0NM to TOBBY - 17.0NM to TOBBY DME GAP 4.0NM to TOBBY - TOBBY Inappropriate See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 Navaids VAR 9°W (2016) CC06T 10.06° 12.36°,8° N42-37-32.8 ← E141-43-13.3 ÝASKN N42-32-04.9 E141-31-53.3 **MISTA** YOSAN ONE DEPARTURE N42-22-44.8 E141-23-12.4 YOSAN N42-12-50.6 E141-31-16.7 **TOBBY** N41-55-07.3 E141-45-35.9 Note: 5.0% climb gradient required up to 500FT. YOSAN ONE DEPARTURE RWY19R/19L: Climb on HDG182° at or above 500FT, direct to CC06T, to YASKN, to MISTA, to YOSAN, to TOBBY. Note: 5.0% climb gradient required up to 500FT.

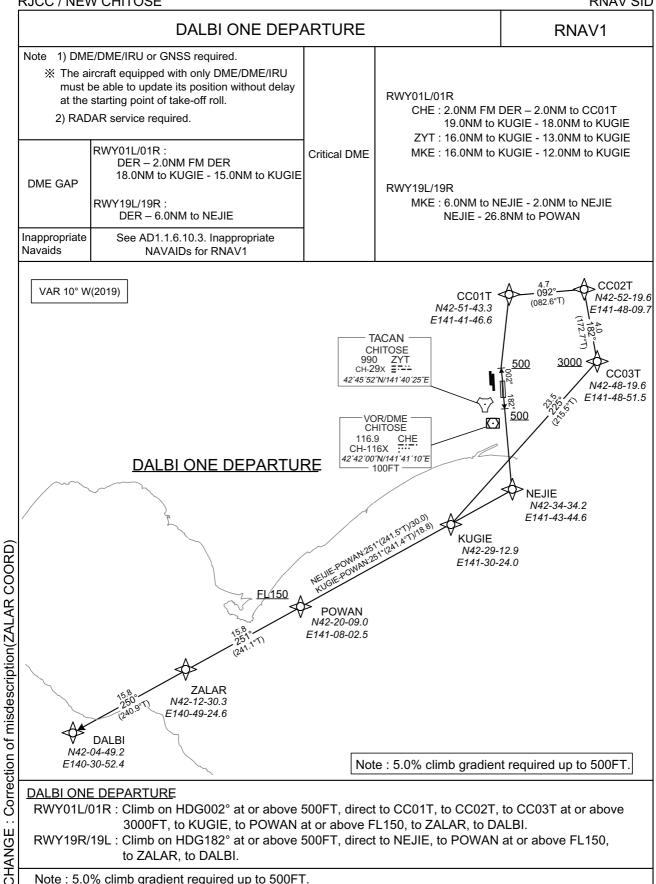
RJCC / NEW CHITOSE

RNAV SID

YOSAN ONE DEPARTURE

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	_	_	182 (172.6)	-9.3	_	_	+500	_	_	RNAV1
002	DF	CC06T	-	-	-9.3	_	_	_	_	_	RNAV1
003	TF	YASKN	_	246 (236.8)	-9.3	10.0	_	_	_	_	RNAV1
004	TF	MISTA	_	224 (214.5)	-9.3	11.3	_	_	_	_	RNAV1
005	TF	YOSAN	_	158 (148.9)	-9.3	11.6	_	_	_	_	RNAV1
006	TF	TOBBY	_	158 (149.0)	-9.3	20.7	_	_	_	_	RNAV1

RJCC / NEW CHITOSE RNAV SID



RJCC / NEW CHITOSE RNAV SID

DALBI ONE DEPARTURE

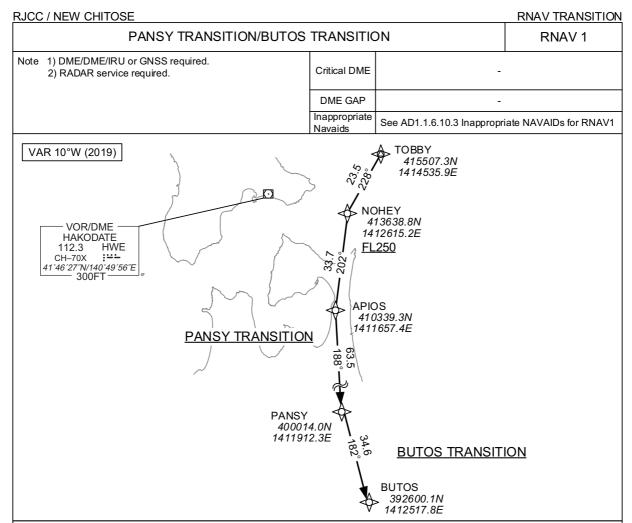
RWY01L/01R

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	_	-	002 (352.6)	-9.5	-	-	+500	-	-	RNAV1
002	DF	CC01T	-	_	-9.5	-	-	-	-	-	RNAV1
003	TF	CC02T	-	092 (082.6)	-9.5	4.7	-	-	-	-	RNAV1
004	TF	CC03T	-	182 (172.7)	-9.5	4.0	-	+3000	-	-	RNAV1
005	TF	KUGIE	-	225 (215.5)	-9.5	23.5	-	-	-	-	RNAV1
006	TF	POWAN	-	251 (241.4)	-9.5	18.8	-	+FL150	-	-	RNAV1
007	TF	ZALAR	-	251 (241.1)	-9.5	15.8	-	1	1	-	RNAV1
008	TF	DALBI	-	250 (240.9)	-9.5	15.8	-	-	-	-	RNAV1

RWY19R/19L

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	-	-	182 (172.6)	-9.5	-	-	+500	-	-	RNAV1
002	DF	NEJIE	-	1	-9.5	-	1	-	-	1	RNAV1
003	TF	POWAN	-	251 (241.5)	-9.5	30.0	-	+FL150	-	-	RNAV1
004	TF	ZALAR	-	251 (241.1)	-9.5	15.8	-	-	-	-	RNAV1
005	TF	DALBI	-	250 (240.9)	-9.5	15.8	-	-	-	-	RNAV1

CHANGE: New PROC



PANSY TRANSITION

From TOBBY, to NOHEY at or above FL250, to APIOS, to PANSY.

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	TOBBY	_	_	-9.5	_	_	-	_	_	RNAV1
002	TF	NOHEY	_	228 (218.1)	-9.5	23.5	_	+FL250	_	_	RNAV1
003	TF	APIOS	-	202 (192.0)	-9.5	33.7		-	_	-	RNAV1
004	TF	PANSY		188 (178.4)	-9.5	63.5	1		_	_	RNAV1

BUTOS TRANSITION

From TOBBY, to NOHEY at or above FL250, to APIOS, to PANSY, to BUTOS.

- 1												
	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	TOBBY	_	_	-9.5	1	_	-	-	1	RNAV1
3	002	TF	NOHEY	_	228 (218.1)	-9.5	23.5	_	+FL250	1	1	RNAV1
\$	003	TF	APIOS	_	202 (192.0)	-9.5	33.7	_	_	_	1	RNAV1
;	004	TF	PANSY	_	188 (178.4)	-9.5	63.5	-	_	-	-	RNAV1
	005	TF	BUTOS	_	182 (172.2)	-9.5	34.6	_	_			RNAV1
ור												

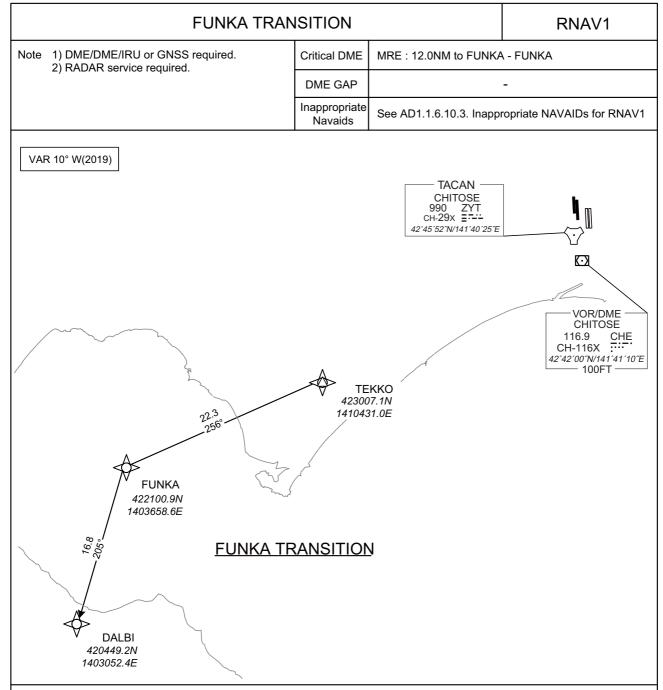
RJCC / NEW CHITOSE **RNAV TRANSITION** SHUYU TRANSITION RNAV1 Note 1) DME/DME/IRU or GNSS required. Critical DME 2) RADAR service required. DME GAP Inappropriate See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 Navaids **TACAN** CHITOSE 990 ZYT CH-29x VAR 10° W(2019) 42°45′52″N/141°40′25″E VOR/DME CHITOSE 116.9 CH 116.9 CHE CH-116X 42°42′00″N/141°41′10″E 100FT -SAVIT 1³ 422827.1N 1412830.4E **POWAN** 422009.0N 1410802.5E FL150 ZALAR √5.8 250° 421230.3N 1404924.6E **SHUYU TRANSITION** DALBI 420449.2N 1403052.4E

SHUYU TRANSITION

From SAVIT, to POWAN at or above FL150, to ZALAR, to DALBI.

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	SAVIT	-	-	-9.5	-	-	-	-	-	RNAV1
002	TF	POWAN	-	251 (241.3)	-9.5	17.3	-	+FL150	-	-	RNAV1
003	TF	ZALAR	-	251 (241.1)	-9.5	15.8	-	-	-	-	RNAV1
004	TF	DALBI	-	250 (240.9)	-9.5	15.8	-	-	-	-	RNAV1

RJCC / NEW CHITOSE RNAV TRANSITION



FUNKA TRANSITION

From TEKKO, to FUNKA, to DALBI.

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	TEKKO	-	-	-9.5	-	-	-	-	-	RNAV1
002	TF	FUNKA	-	256 (246.0)	-9.5	22.3	-	-	-	-	RNAV1
003	TF	DALBI	-	205 (195.6)	-9.5	16.8	-	-	-	-	RNAV1