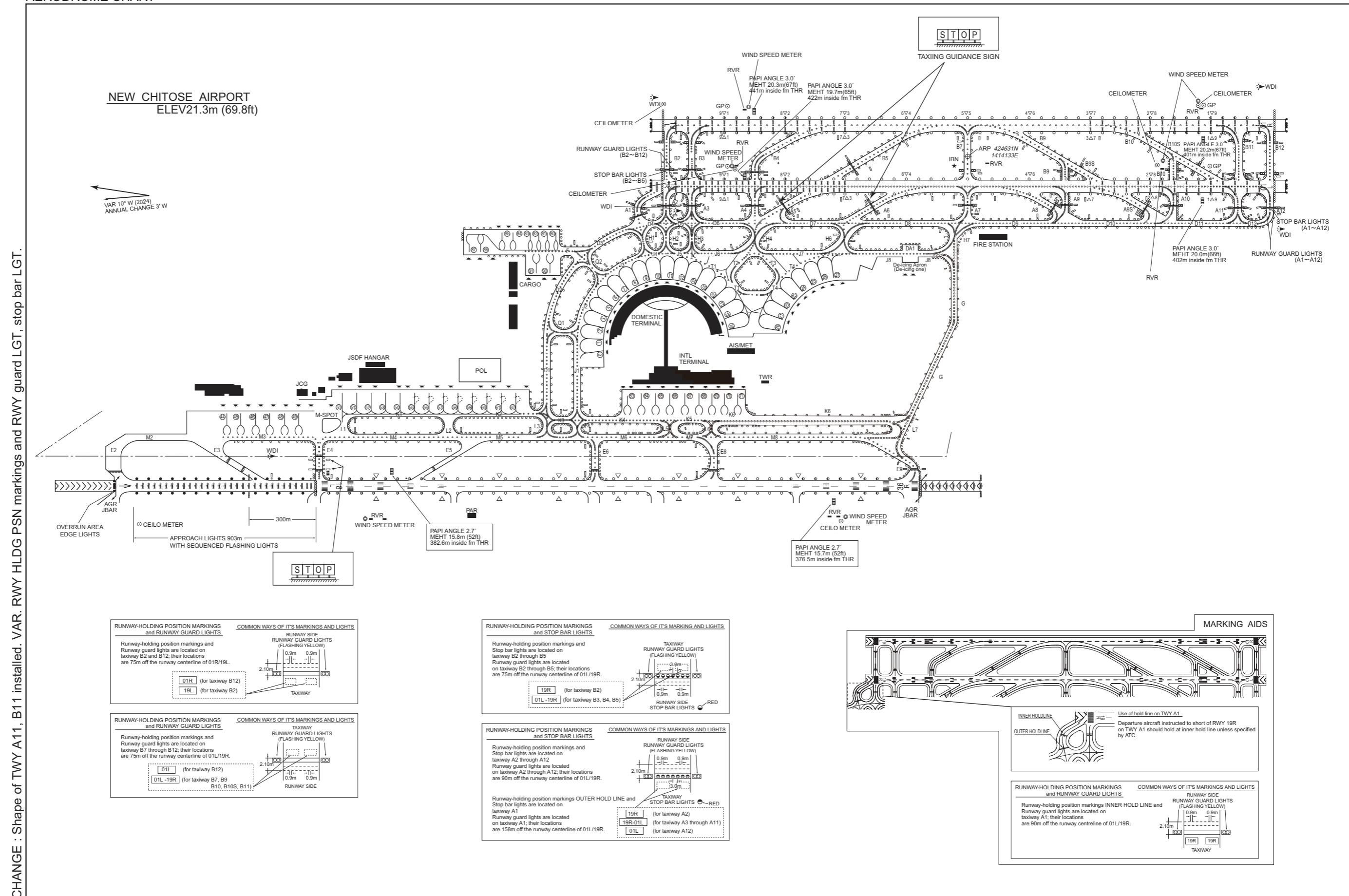
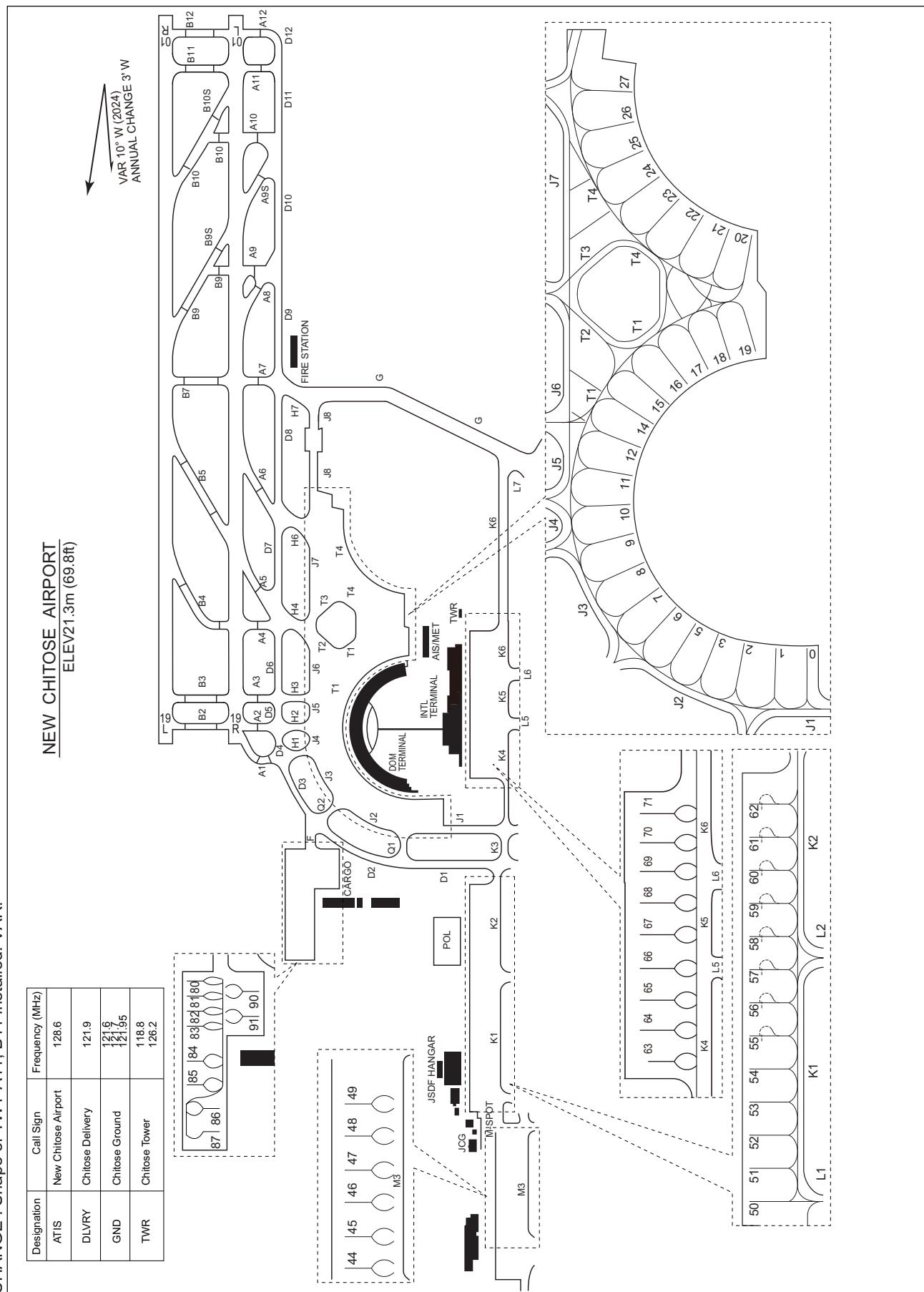


AERODROME CHART



RJCC / NEW CHITOSE

AD CHART



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AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 9°33' W-APR 2020



CHANGE:Update

AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 9°33' W-APR 2020



NEW CHITOSE AIRPORT
RWY : 01R/19L
DECLARED DISTANCES
RWY 01R RWY 19L
3000m TAKE OFF RUN AVAILABLE 3000m
3000m TAKE OFF DISTANCE AVAILABLE 3000m
3000m ACCELERATE STOP DISTANCE AVAILABLE 3000m
3000m LANDING DISTANCE AVAILABLE 3000m



CHANGE:Update



LEGEND		AMENDMENT RECORD	
Nr	Date	Entered By	
(○)	POLE, TOWER, SPIRE, ANTENNA, ETC		
(★)	AERONAUTICAL GROUND LIGHT		
(※)	OBSTRUCTION LIGHT		
(—)	BUILDING OR LARGE STRUCTURE		
(—)	RAILROAD		
(—)	TRANSMISSION LINE OR OVERHEAD CABLE		
(---)	LEVEE		
(▲)	TRIANGULATION POINT		
(—)	TREE		
(—)	RIVER		
(○)	LAKE		
(—)	CONTOURS(N)		

AERODROME OBSTACLE CHART-ICAO TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

AERODROME ELEVATION 69.8ft ARP

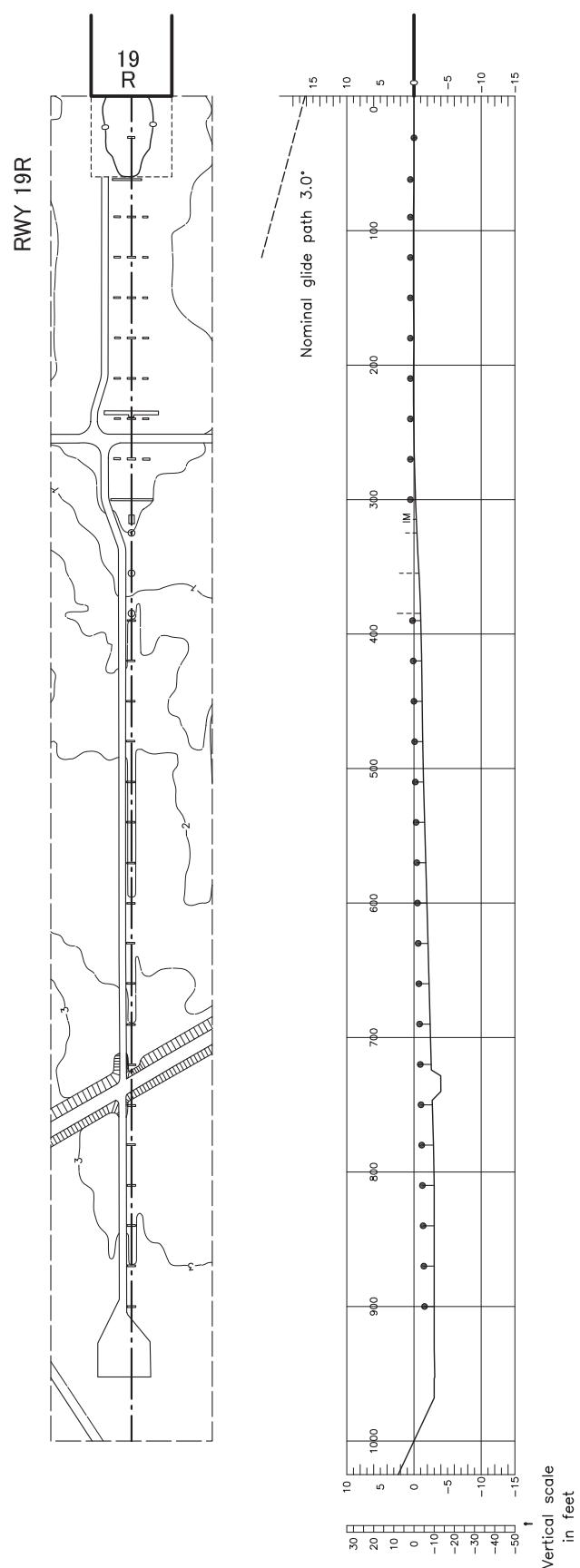


CHANGE:Update

PRECISION APPROACH TERRAIN CHART

DISTANCES AND HEIGHTS IN METRES

PRECISION APPROACH TERRAIN CHART



LEGEND	
CONTOUR	
CENTER-LINE PROFILE	
APPROACH LIGHTING	
ANTENNA	

HORIZONTAL SCALE 1:5000
VERTICAL SCALE 1:1000
CONTOUR AND HEIGHTS ARE RELATED
TO ELEVATION OF RWY THR

Vertical scale
in feet

STANDARD DEPARTURE CHART-INSTRUMENT

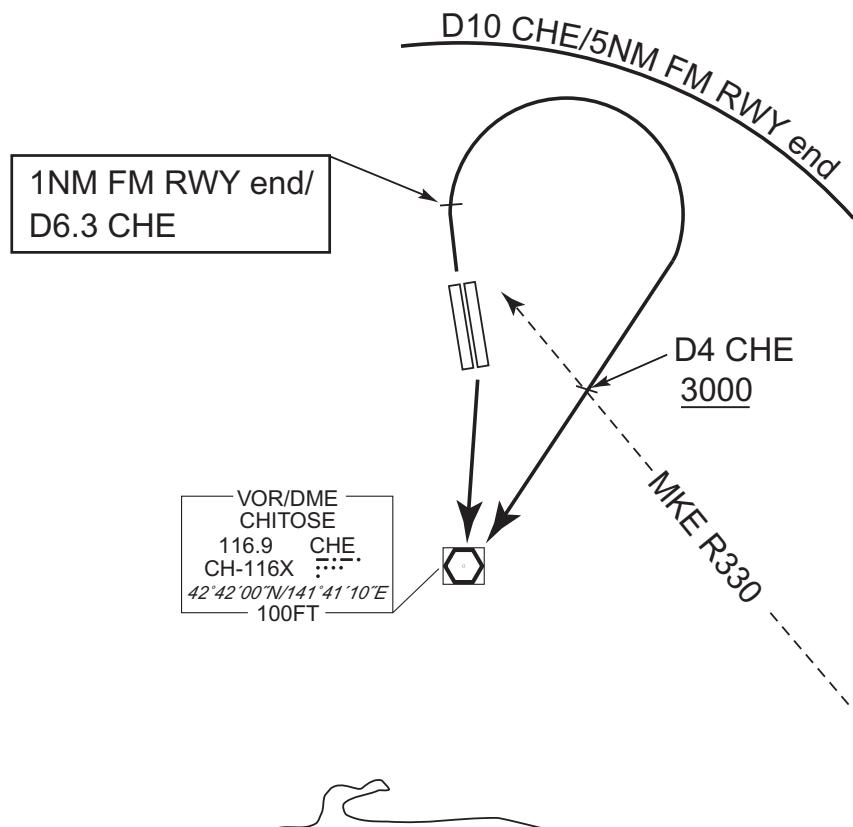
RJCC / NEW CHITOSE

SID

CHITOSE FOUR DEPARTURE

RWY01L/01R: Climb RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right, direct to CHE VOR/DME within CHE 10DME (5NM FM RWY end). Cross 4DME prior to CHE VOR/DME (MKE R330) at or above 3000FT.
RWY19R/19L: Climb direct to CHE VOR/DME.

CHANGE : Description of PROC name.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

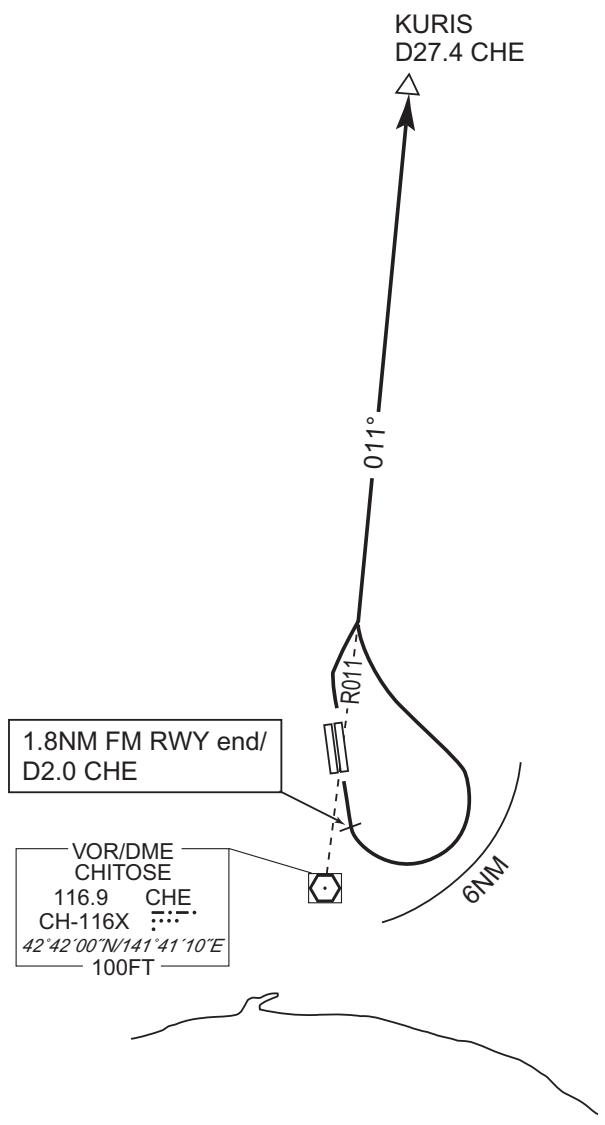
SID

KURIS SEVEN DEPARTURE

RWY 01L/01R: Climb....

RWY 19R/19L: Climb RWY HDG until 1.8NM FM RWY end/CHE
 2.0DME, turn left within 6NM,...
 ...via CHE R011 to KURIS.

CHANGE : Description of PROC name.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

TOKACHI TWO DEPARTURE

RWY 01L/01R: Climb RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right HDG 130° to intercept and proceed via...

RWY 19R/19L: Climb RWY HDG until 1.8NM FM RWY end/CHE 2.0DME, turn left, via...

...CHE R088 to BOKSO or CHE R097 to RAKNO.

Cross CHE R088/12DME or CHE R097/12DME at or below 5000FT.

Cross CHE R088/22DME or CHE R097/22DME between 9000FT and 11000FT.

CHANGE : Description of PROC name.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

TEKKO ONE DEPARTURE

RWY01L/01R : Climb RWY HDG until 1NM FM RWY end/CHE 6.3DME,
 turn right, direct to CHE VOR/DME
 within CHE 10DME (5NM FM RWY end), cross 4DME prior to
 CHE VOR/DME (MKE R330) at or above 3000FT,...

RWY19R/19L : Climb direct to CHE VOR/DME,...
 ...via CHE R256 to TEKKO.



CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

MUKAWA EIGHT DEPARTURE

RWY01L/01R: Climb RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right within CHE 10DME(5NM from RWY end), via MKE R341 to MKE VOR/DME, via MKE R202 to TOBBY.

Cross MKE R341/12DME at or above 3000FT, cross MKE VOR/DME at or below 11000FT.

RWY19R/19L: Climb RWY HDG until 1.8NM FM RWY end/CHE 2.0DME, turn left, via MKE R320 to MKE VOR/DME, via MKE R202 to TOBBY.

Cross MKE R320/10DME at or above 3000FT, cross MKE VOR/DME at or below 11000FT.

CHANGE : Description of PROC name.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

TOBBY EIGHT DEPARTURE

RWY01L/01R : Climb RWY HDG until 1NM FM RWY end / CHE 6.3DME, turn right, direct to CHE VOR/DME within CHE 10DME (5NM FM RWY end), via CHE R185 to TOBBY.

Cross 4DME prior to CHE VOR/DME (MKE R330) at or above 3000FT, cross CHE R185/6DME at or above 6000FT, cross CHE R185/11DME at or above 7000FT.

RWY19R/19L : Climb direct to CHE VOR/DME, via CHE R185 to TOBBY. Cross CHE R185/27DME at or below 11000FT.

Note : Aircraft unable to comply with the flight restriction, inform ATC for alternate procedure before departure.

CHANGE : Description of PROC name.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

HAKODATE SEVEN DEPARTURE

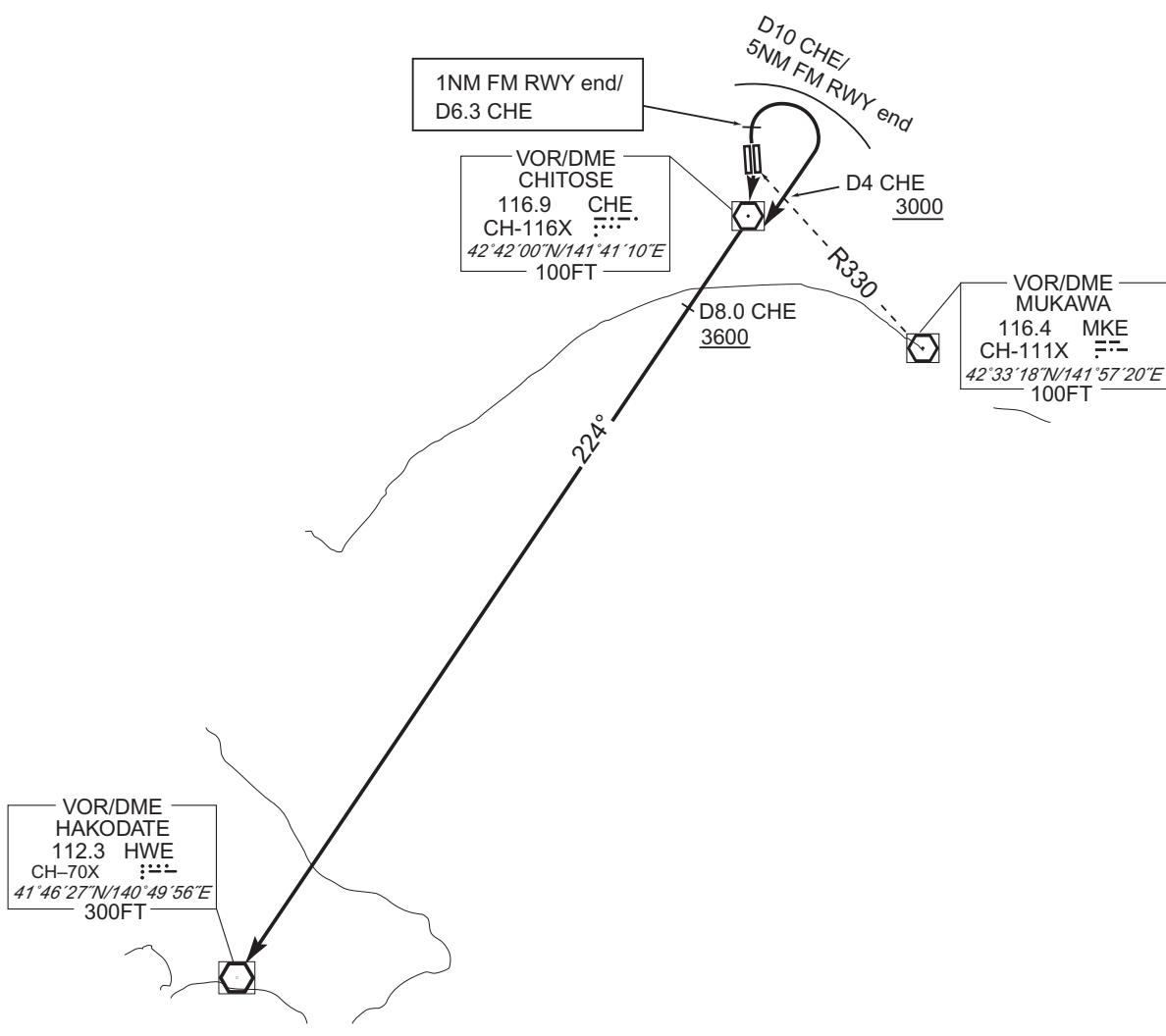
RWY01L/01R: Climb via RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right, direct to CHE VOR/DME within CHE 10DME (5NM FM RWY end), via CHE R224 to HWE VOR/DME.

Cross 4DME prior to CHE VOR/DME (MKE R330) at or above 3000FT, cross CHE R224/8.0DME at or above 3600FT.

RWY19R/19L: Climb direct to CHE VOR/DME, via CHE R224 to HWE VOR/DME.

Cross CHE R224/8.0DME at or above 3600FT.

CHANGE : Description of PROC name.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

NAGANUMA FIVE DEPARTURE

RWY 01L/01R: Climb RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right to intercept and proceed via CHE R021 to CHE 15DME, turn left, via CHE R005 to CHE VOR/DME within CHE 19DME.
 Cross CHE R021/15DME at or above 3000FT, cross CHE R005/10DME (MKE R335) at or above 6000FT, cross CHE VOR/DME at or above 9000FT.

RWY 19R/19L: Not established.

CHANGE : Description of PROC name.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

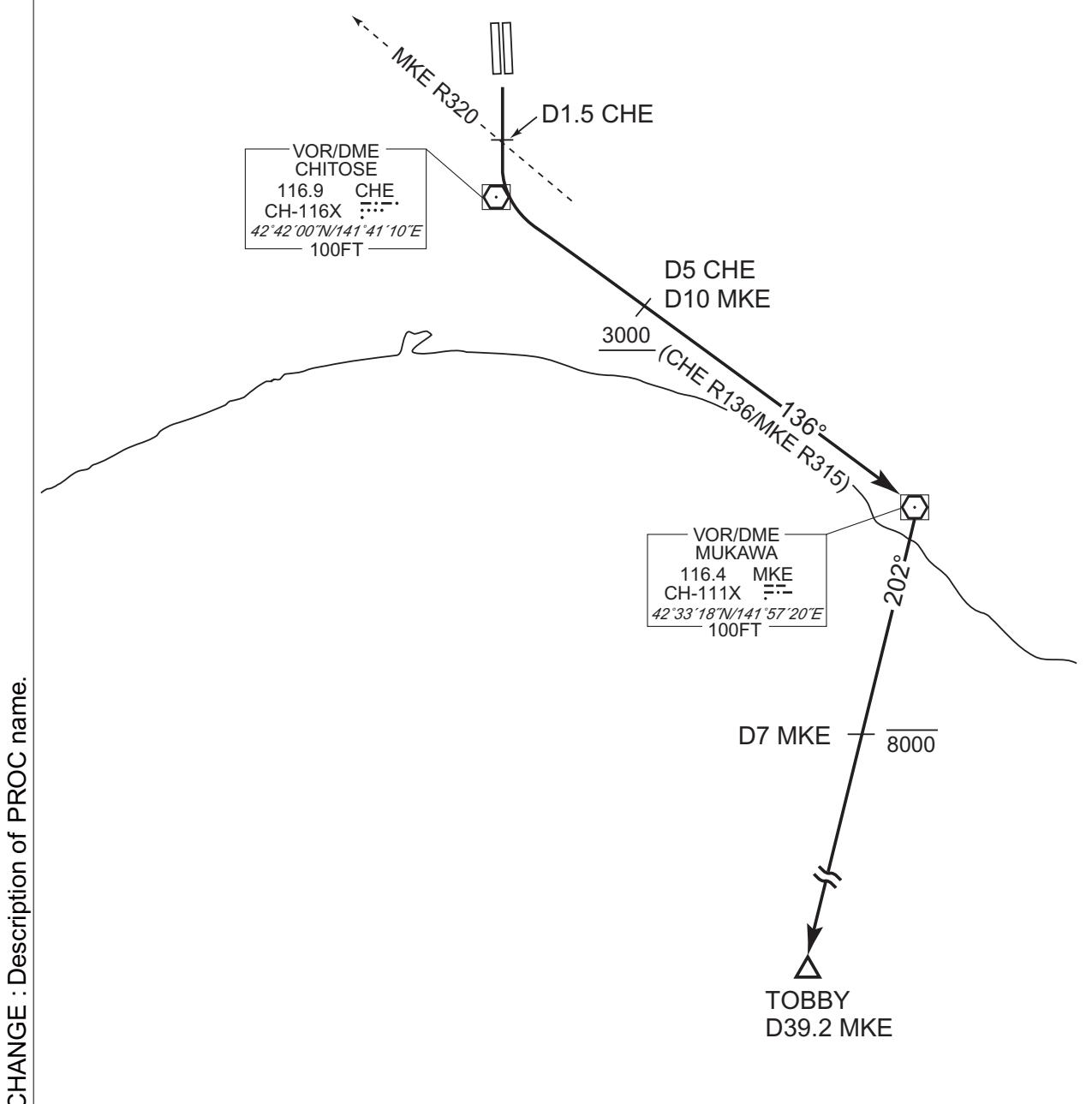
SID

YUFUTSU FIVE DEPARTURE

RWY 01L/01R: Not established.

RWY 19R/19L: Climb direct to CHE VOR/DME until 1.5DME prior to CHE VOR/DME (until crossing MKE R320), turn left, via CHE R136 (MKE R315) to MKE VOR/DME or after MKE VOR/DME, via MKE R202 to TOBBY.

Cross CHE R136/5DME (MKE R315/10DME) at or above 3000FT, cross MKE R202/7DME at or below 8000FT.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

HOKUTO SEVEN DEPARTURE

RWY 01L/01R: Climb RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right, via CHE R021, via MKE R352 to KURIS.

Cross CHE R021/15DME at or above 3000FT, cross KURIS at or above 7000FT.

RWY 19R/19L: Climb direct to CHE VOR/DME until 1.5DME prior to CHE VOR/DME (until crossing MKE R320), turn left, via CHE R136 (MKE R315) to CHE 5DME (MKE 10DME), turn left, via MKE R352 to KURIS.

Cross CHE R136/5DME (MKE R315/10DME) at or above 3000FT, cross MKE R352/13DME at or above 5000FT, cross KURIS at or above 7000FT.



CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

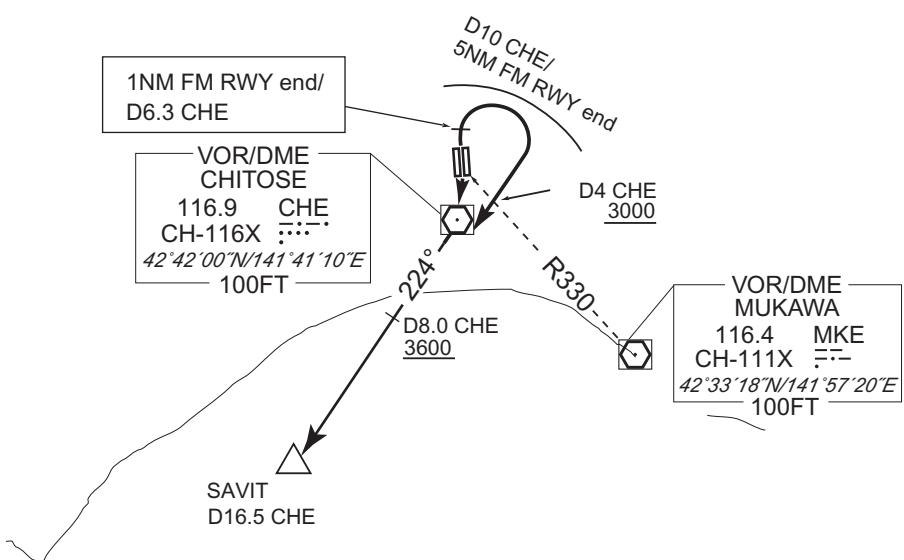
SID

SAVIT TWO DEPARTURE

RWY01L/01R: Climb via RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right, direct to CHE VOR/DME within CHE 10DME (5NM FM RWY end), via CHE R224 to SAVIT.

Cross 4DME prior to CHE VOR/DME (MKE R330) at or above 3000FT, cross CHE R224/8.0DME at or above 3600FT.

RWY19R/19L: Climb direct to CHE VOR/DME, via CHE R224 to SAVIT. Cross CHE R224/8.0DME at or above 3600FT.



CHANGE : Description of PROC name.

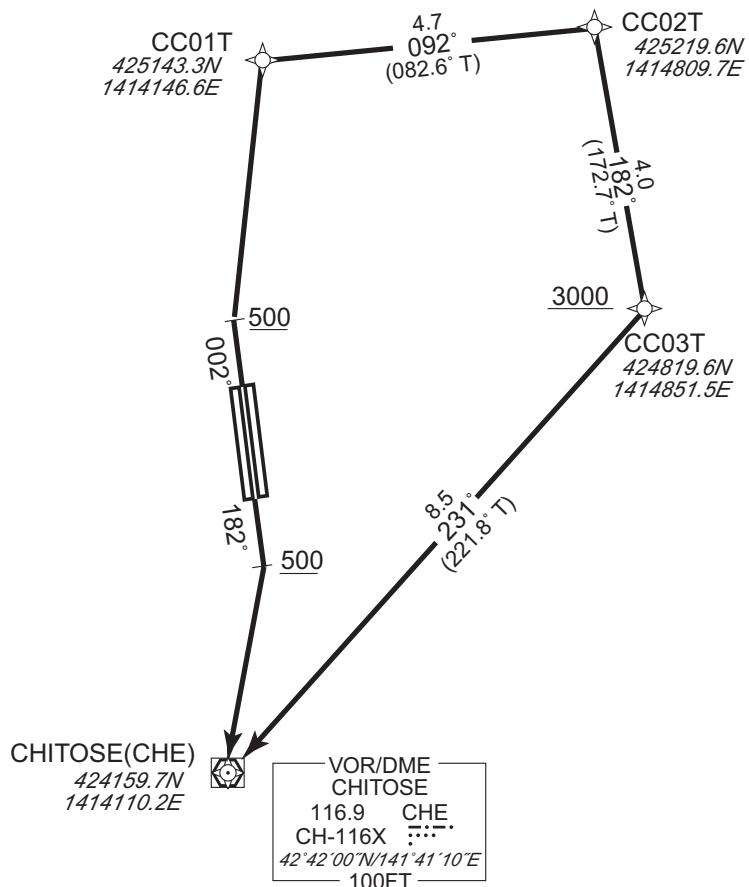
STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

SOSHU 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 roll.	Critical DME	RWY01L/01R CHE : 2.0NM FM DER – 2.0NM to CC01T
2) RADAR service required.	DME GAP	RWY01L/01R : DER – 2.0NM FM DER 3.0NM to CHE – CHE RWY19L/19R : DER – CHE
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 9°W



CHANGE : Description of VAR and PROC name.

RWY01L/01R : Climb on HDG002° at or above 500FT, direct to CC01T, to CC02T, to CC03T at or above 3000FT, to CHE.

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

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

STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

SOSHU 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	CHE	—	231 (221.8)	-9.1	8.5	—	—	—	—	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)	-9.1	—	—	+500	—	—	RNAV1
002	DF	CHE	—	—	-9.1	—	—	—	—	—	RNAV1

CHANGE : Waypoint identifier(CHE).

STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

REZOT 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 roll. 2) RADAR service required.	Critical DME	RWY01L/01R CHE : 2.0NM FM DER – 2.0NM to CC01T MKE : CHE – 18.0NM to REZOT ZYT : CHE – 18.0NM to REZOT 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 7.0NM to REZOT – REZOT RWY01L/01R, RWY19L/19R SPE : 4.0NM to TEKKO – TEKKO
DME GAP RWY01L/01R : DER – 2.0NM FM DER, 3.0NM to CHE – CHE RWY19L/19R : DER – 3.0NM to CC06T	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 9°W



CHANGE : Description of VAR and PROC name.

RWY01L/01R : Climb on HDG002° at or above 500FT, direct to CC01T, to CC02T, to CC03T at or above 3000FT, to 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.

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

STANDARD DEPARTURE CHART -INSTRUMENT

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	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

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)	-9.3	—	—	+500	—	—	RNAV1
002	DF	CC06T	—	—	-9.3	—	—	—	—	—	RNAV1
003	TF	REZOT	—	269 (259.9)	-9.3	20.1	—	—	—	—	RNAV1
004	TF	TEKKO	—	256 (246.2)	-9.3	9.5	—	+11000	—	—	RNAV1

CHANGE : Waypoint identifier(CHE).

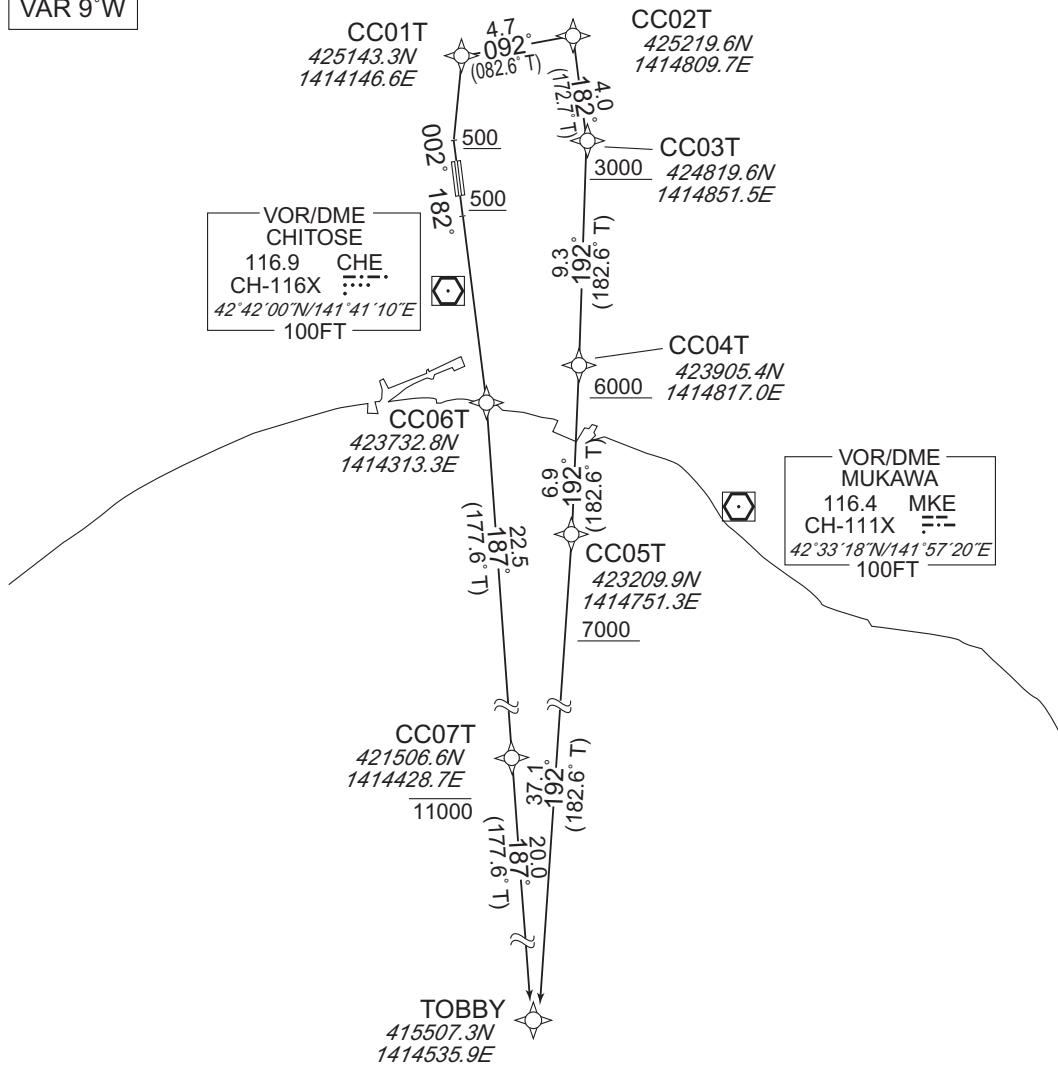
STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

JUGGLAR 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 roll. 2) RADAR service required.	Critical DME	RNAW01L/01R CHE : 2.0NM FM DER – 2.0NM to CC01T 3.0NM to CC04T – CC04T MKE : 4.0NM to CC05T – 23.0NM to TOBBY 12.0NM to TOBBY – 4.0NM to TOBBY SPE : 18.0NM to TOBBY – 4.0NM to TOBBY
DME GAP RWY01L/01R : DER – 2.0NM FM DER CC04T – 4.0NM to CC05T 4.0NM to TOBBY – TOBBY RWY19L/19R : DER – 3.0NM to CC06T 3.0NM to TOBBY – TOBBY		RWY19L/19R MKE : 3.0NM to CC06T – 3.0NM to TOBBY ZYT : 3.0NM to CC06T – 1.0NM to CC06T SPE : 17.0NM to TOBBY – 3.0NM to TOBBY
Inappropriate Navaids See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1		

VAR 9°W



CHANGE : Description of VAR and PROC name.

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.

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

STANDARD DEPARTURE CHART -INSTRUMENT

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

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)	-9.1	—	—	+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

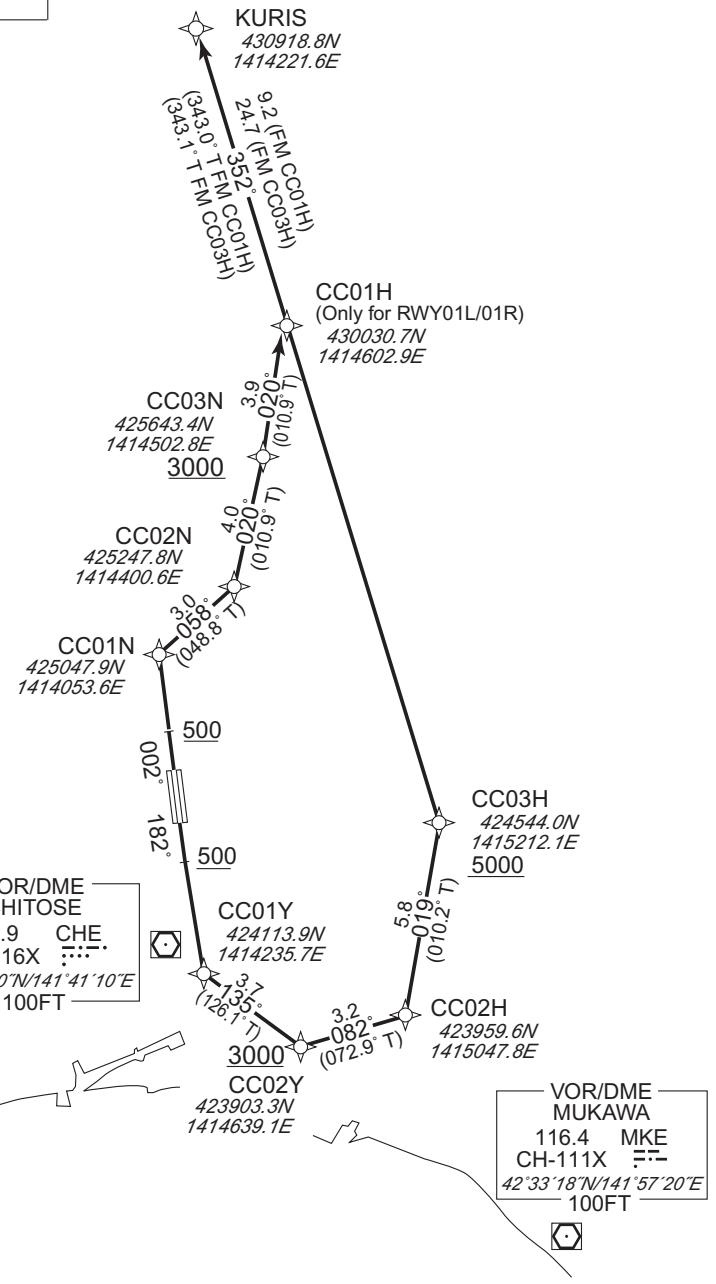
STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

PATRUSH ONE DEPARTURE			RNAV 1
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 roll.	Critical DME	RWY01L/01R SPE : 7.0NM to KURIS – KURIS	
2) RADAR service required.		RWY19L/19R SPE : 1.0NM to CC02H – CC02H 7.0NM to KURIS – KURIS CHE : 1.0NM to CC02H – 4.0NM to CC03H	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1		

VAR 9°W



CHANGE : Description of VAR and PROC name.

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.

STANDARD DEPARTURE CHART -INSTRUMENT

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

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)	-9.1	—	—	+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

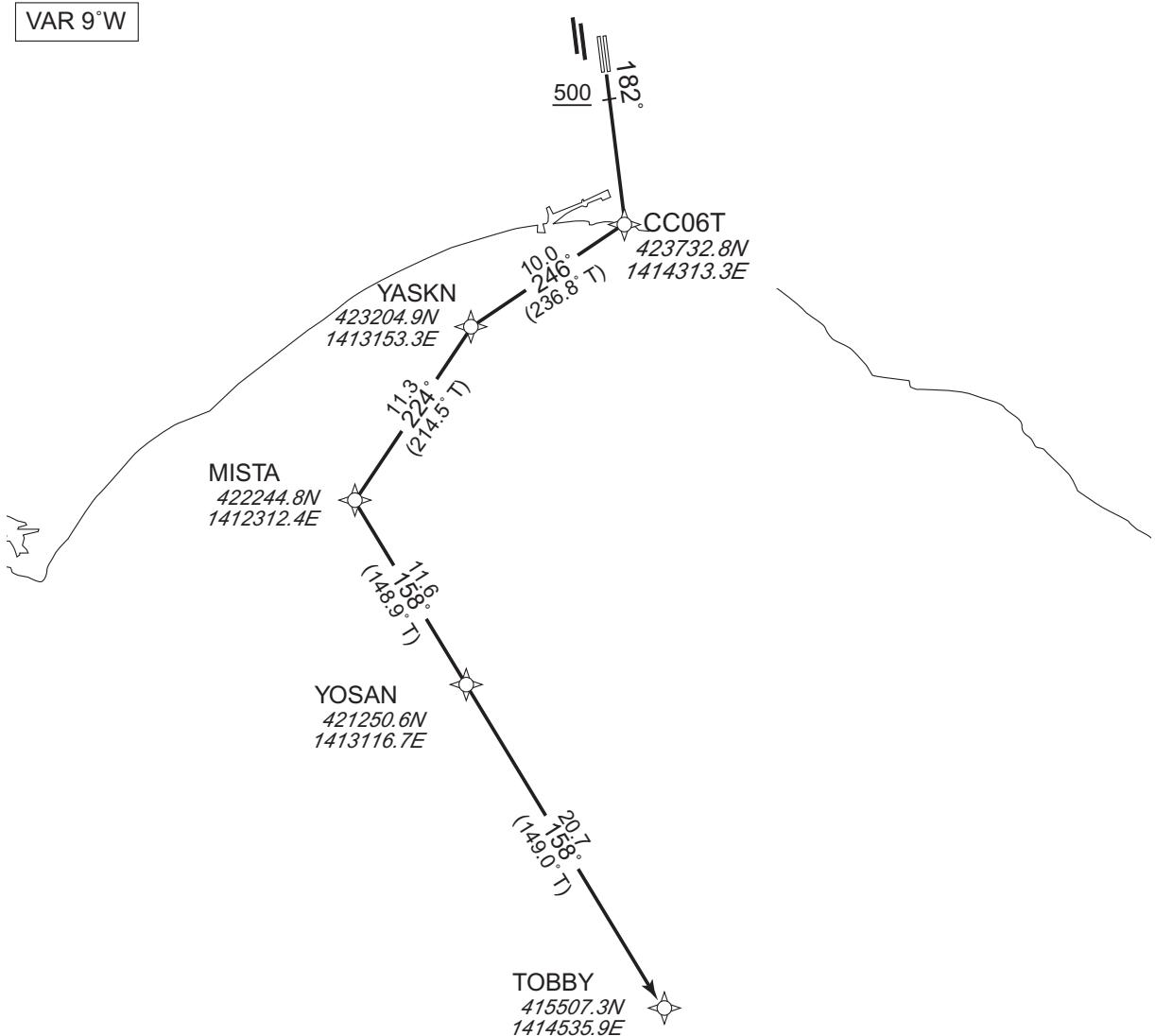
STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

YOSAN 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 roll.	Critical DME	RWY19L/19R MKE : 3.0NM to CC06T – 6.0NM to YASKN 3.0NM to YASKN – 1.0NM to YASKN YASKN – 3.0NM to YOSAN 5.0NM to TOBBY – 3.0NM to TOBBY ZYT : 3.0NM to CC06T – 1.0NM to CC06T YASKN – 5.0NM to MISTA SPE : 5.0NM to TOBBY – 3.0NM to TOBBY HWE : 19.0NM to TOBBY – 17.0NM to TOBBY 4.0NM to TOBBY – TOBBY
DME GAP	RWY19L/19R : DER – 3.0NM to CC06T	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

VAR 9°W



CHANGE : Description of VAR and PROC name.

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.

STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

YOSAN ONE DEPARTURE

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)	-9.3	—	—	+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

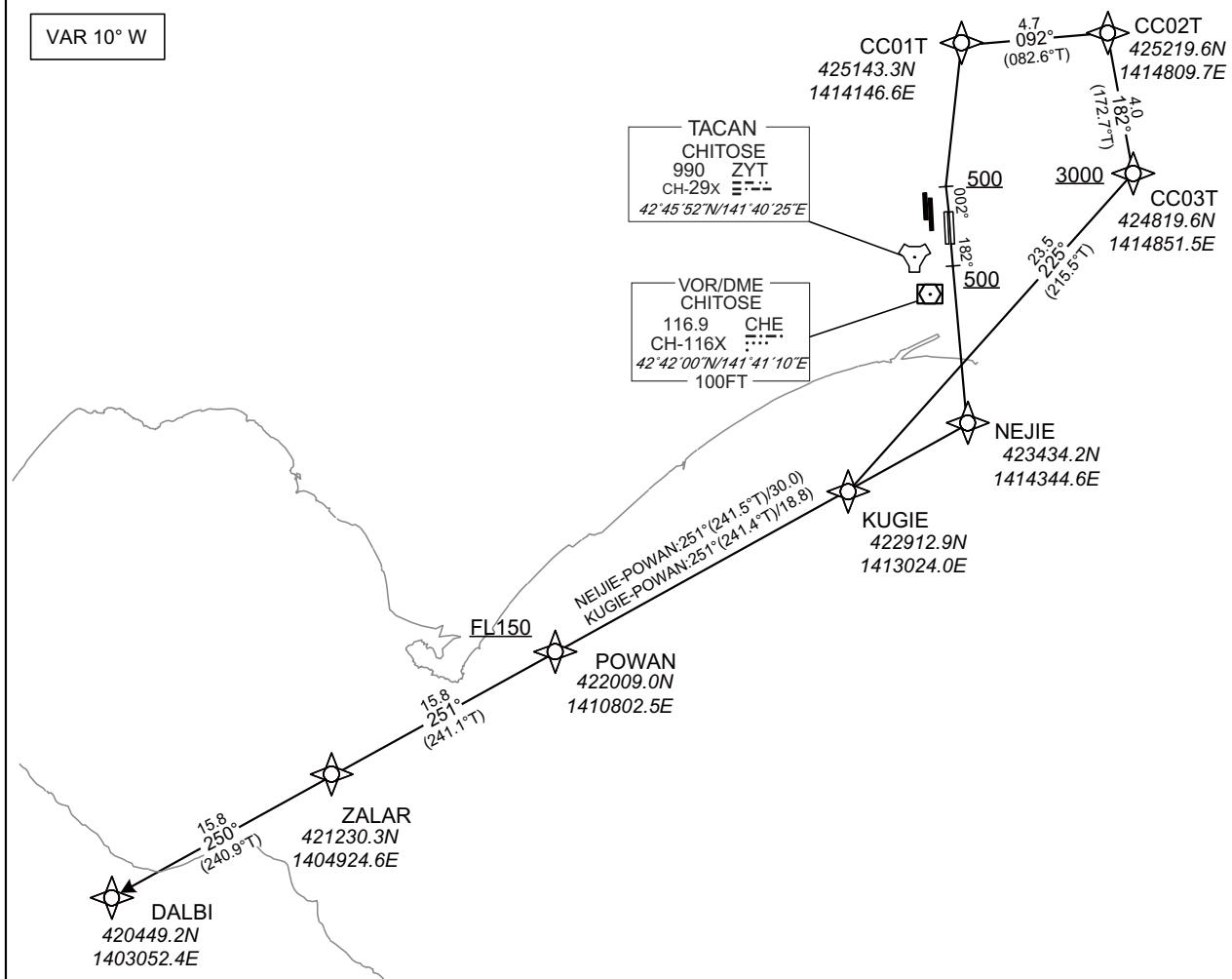
STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

DALBI ONE DEPARTURE			RNAV1
<p>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 roll.</p> <p>2) RADAR service required.</p>			
DME GAP	RWY01L/01R : DER – 2.0NM FM DER 18.0NM to KUGIE - 15.0NM to KUGIE RWY19L/19R : DER – 6.0NM to NEJIE	Critical DME	<p>RWY01L/01R</p> <p>CHE : 2.0NM FM DER – 2.0NM to CC01T 19.0NM to KUGIE - 18.0NM to KUGIE</p> <p>ZYT : 16.0NM to KUGIE - 13.0NM to KUGIE</p> <p>MKE : 16.0NM to KUGIE - 12.0NM to KUGIE</p> <p>RWY19L/19R</p> <p>MKE : 6.0NM to NEJIE - 2.0NM to NEJIE NEJIE - 26.8NM to POWAN</p>
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1		

VAR 10° W



CHANGE : Description of VAR and PROC name.

RWY01L/01R : Climb on HDG002° at or above 500FT, direct to CC01T, to CC02T, to CC03T at or above 3000FT, to KUGIE, to POWAN at or above FL150, to ZALAR, to DALBI.

RWY19L/19R : Climb on HDG182° at or above 500FT, direct to NEJIE, to POWAN at or above FL150, to ZALAR, to DALBI.

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

STANDARD DEPARTURE CHART-INSTRUMENT

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	-	-	-	-	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	-	—	-9.5	-	-	-	-	-	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

STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE		RNAV TRANSITION																																																																																																																																					
PANSY TRANSITION/BUTOS TRANSITION			RNAV 1																																																																																																																																				
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<p>VAR 10°W</p> <p>VOR/DME HAKODATE 112.3 HWE CH-70X 41°46'27"N 140°49'56"E 300FT</p> <p>PANSY TRANSITION</p> <p>BUTOS TRANSITION</p> <p>TOBBY 415507.3N 1414535.9E NOHEY 413638.8N 1412615.2E FL250 APIOS 410339.3N 1411657.4E PANSY 400014.0N 1411912.3E BUTOS 392600.1N 1412517.8E</p>																																																																																																																																							
<p>PANSY TRANSITION</p> <p>From TOBBY, to NOHEY at or above FL250, to APIOS, to PANSY.</p> <table border="1"> <thead> <tr> <th>Serial Number</th> <th>Path Descriptor</th> <th>Waypoint Identifier</th> <th>Fly Over</th> <th>Course °M(°T)</th> <th>Magnetic Variation</th> <th>Distance (NM)</th> <th>Turn Direction</th> <th>Altitude (FT)</th> <th>Speed (KIAS)</th> <th>Vertical Angle</th> <th>Navigation Specification</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>IF</td> <td>TOBBY</td> <td>—</td> <td>—</td> <td>-9.5</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>RNAV1</td> </tr> <tr> <td>002</td> <td>TF</td> <td>NOHEY</td> <td>—</td> <td>228 (218.1)</td> <td>-9.5</td> <td>23.5</td> <td>—</td> <td>+FL250</td> <td>—</td> <td>—</td> <td>RNAV1</td> </tr> <tr> <td>003</td> <td>TF</td> <td>APIOS</td> <td>—</td> <td>202 (192.0)</td> <td>-9.5</td> <td>33.7</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>RNAV1</td> </tr> <tr> <td>004</td> <td>TF</td> <td>PANSY</td> <td>—</td> <td>188 (178.4)</td> <td>-9.5</td> <td>63.5</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>RNAV1</td> </tr> </tbody> </table> <p>BUTOS TRANSITION</p> <p>From TOBBY, to NOHEY at or above FL250, to APIOS, to PANSY, to BUTOS.</p> <table border="1"> <thead> <tr> <th>Serial Number</th> <th>Path Descriptor</th> <th>Waypoint Identifier</th> <th>Fly Over</th> <th>Course °M(°T)</th> <th>Magnetic Variation</th> <th>Distance (NM)</th> <th>Turn Direction</th> <th>Altitude (FT)</th> <th>Speed (KIAS)</th> <th>Vertical Angle</th> <th>Navigation Specification</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>IF</td> <td>TOBBY</td> <td>—</td> <td>—</td> <td>-9.5</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>RNAV1</td> </tr> <tr> <td>002</td> <td>TF</td> <td>NOHEY</td> <td>—</td> <td>228 (218.1)</td> <td>-9.5</td> <td>23.5</td> <td>—</td> <td>+FL250</td> <td>—</td> <td>—</td> <td>RNAV1</td> </tr> <tr> <td>003</td> <td>TF</td> <td>APIOS</td> <td>—</td> <td>202 (192.0)</td> <td>-9.5</td> <td>33.7</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>RNAV1</td> </tr> <tr> <td>004</td> <td>TF</td> <td>PANSY</td> <td>—</td> <td>188 (178.4)</td> <td>-9.5</td> <td>63.5</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>RNAV1</td> </tr> <tr> <td>005</td> <td>TF</td> <td>BUTOS</td> <td>—</td> <td>182 (172.2)</td> <td>-9.5</td> <td>34.6</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>RNAV1</td> </tr> </tbody> </table>				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	—	—	—	—	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	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	—	—	—	—	RNAV1	005	TF	BUTOS	—	182 (172.2)	-9.5	34.6	—	—	—	—	RNAV1
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CHANGE : Description of VAR.

STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV TRANSITION

SHUYU TRANSITION		RNAV1																																																												
Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.	Critical DME	-																																																												
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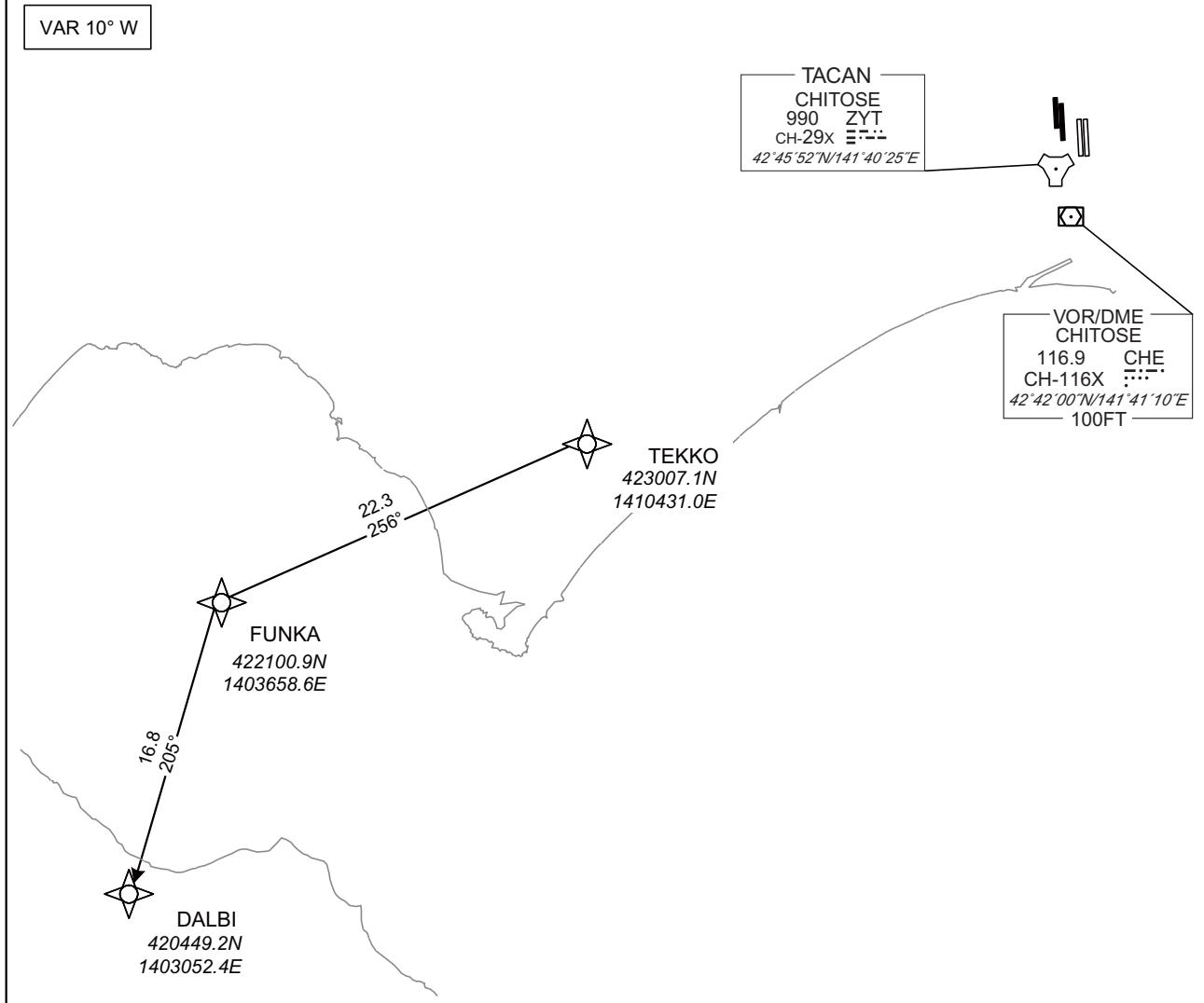
CHANGE : Description of VAR and PROC name.

STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV TRANSITION

FUNKA TRANSITION		RNAV1
Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.	Critical DME	MRE : 12.0NM to FUNKA - FUNKA
	DME GAP	-
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



CHANGE : Description of VAR and PROC name.

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

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

STAR

YUKII WEST ARRIVAL

From over NAVER, via CHE R201 to intercept and proceed via MKE R241...

for ILS Z or LOC Z RWY01L : ...to YUKII, via ICN-LOC to Bambi.
Cross Bambi at 2000FT.

for ILS Y or LOC Y RWY01L : ...to YUKII, via ICN-LOC to Bambi.
Cross Bambi at or above 3000FT.

for ILS Z or LOC Z RWY01R : ...to YOKOH, via ICH-LOC to YOTEI.
Cross YOTEI at 2000FT

for ILS Y or LOC Y RWY01R : ...to YOKOH, via ICH-LOC to YOTEI.
Cross YOTEI at or above 3000FT

YUKI FAST ARRIVAL

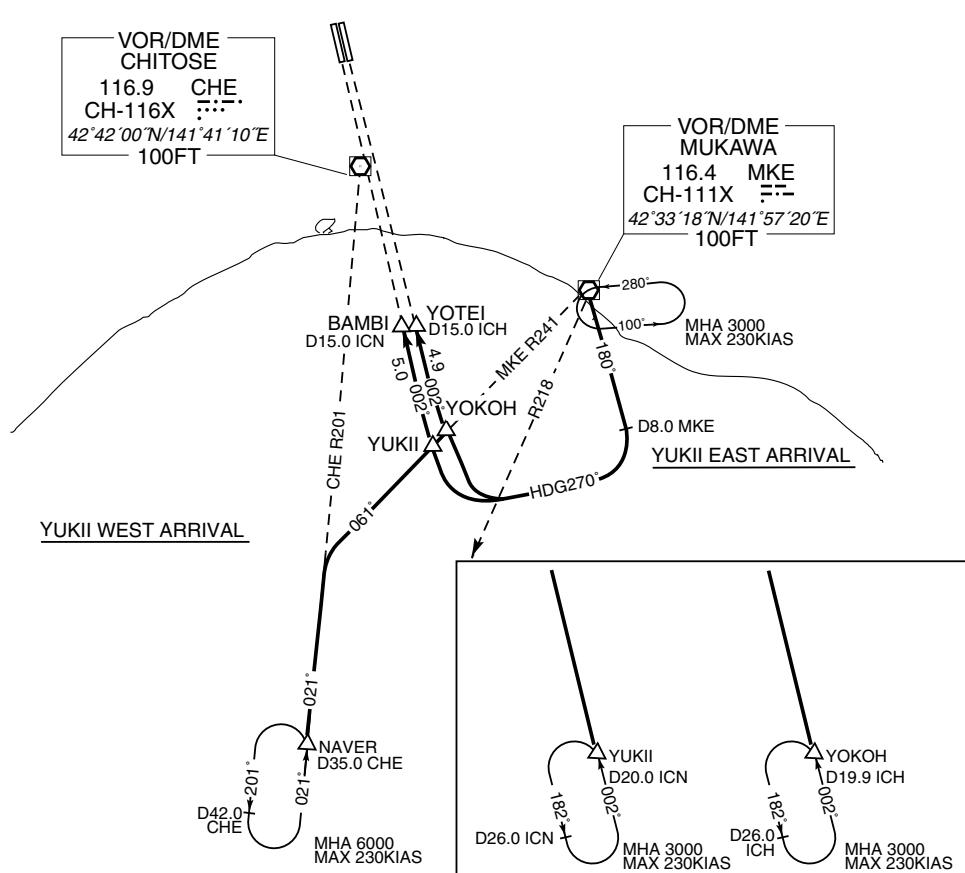
From over MKE VOR/DME, via MKE R180 to 8.0DME, turn right, via HDG 270° to intercept and proceed via ...

for ILS Z or LOC Z RWY01L : ...ICN-LOC to YUKII, via ICN-LOC to Bambi.
Cross Bambi at 2000FT

for ILS Y or LOC Y RWY01L : ...ICN-LOC to YUKII, via ICN-LOC to Bambi.
Cross Bambi at or above 3000FT

for ILS Z or LOC Z RWY01R : ...ICH-LOC to YOKOH, via ICH-LOC to YOTEI.
Cross YOTEI at 3000FT

for ILS Y or LOC Y RWY01R : ...ICH-LOC to YOKOH, via ICH-LOC to YOTEI.
Cross YOTEI at or above 3000FT



STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

STAR

CHITOSE NR.1 ARRIVAL

From over CHE VOR/DME, via CHE R045 to intercept and proceed via MKE R360, via MKE 31.1DME counterclockwise ARC...

for ILS or LOC RWY19R : ...to ISIYA.

Cross MKE R360/25.0DME at or below 7000FT, cross MKE R360/30.0DME at or above 5000FT, cross ISIYA at or above 3000FT.

for VOR Z RWY19L :

...to SHINE, via CHE R011 to MAOIE.

Cross MKE R360/25.0DME at or below 7000FT, cross MKE R360/30.0DME at or above 5000FT, cross SHINE at or above 3000FT. cross MAOIE at 2000FT.

YUBARI ARRIVAL

From over NAVER, via CHE R201 to intercept and proceed via MKE R241 to MKE VOR/DME, via MKE R360, via MKE 31.1DME counterclockwise ARC...

for ILS or LOC RWY19R : ...to ISIYA.

Cross MKE R360/13.0DME at or above 12000FT, cross MKE R360/25.0DME at or below 7000FT, cross MKE R360/30.0DME at or above 5000FT, cross ISIYA at or above 3000FT.

for VOR Z RWY19L :

...to SHINE, via CHE R011 to MAOIE.

Cross MKE R360/13.0DME at or above 12000FT, cross MKE R360/25.0DME at or below 7000FT, cross MKE R360/30.0DME at or above 5000FT, cross SHINE at or above 3000FT. cross MAOIE at 2000FT.

KURIS NR.1 ARRIVAL

for ILS or LOC RWY19R : From over KURIS, via SPE 17.7DME clockwise ARC to ISIYA.

Cross ISIYA at or above 3000FT.

for VOR Z RWY19L : From over KURIS, via CHE R011 to MAOIE via SHINE.

Cross SHINE at or above 3000FT, cross MAOIE at 2000FT.

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

STAR



STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

STAR

CHITOSE NR.2 ARRIVAL

From over CHE VOR/DME, via CHE R045 to intercept and proceed via MKE R360, via MKE 31.2DME counterclockwise ARC to NAPRO.

Cross MKE R360/25.0DME at or below 7000FT, cross MKE R360/30.0DME at or above 5000FT, cross NAPRO at or above 3000FT.

NAPRO EAST ARRIVAL

From over NAVER, via CHE R201 to intercept and proceed via MKE R241 to MKE VOR/DME, via MKE R360, via MKE 31.2DME counterclockwise ARC to NAPRO.

Cross MKE R360/13.0DME at or above 12000FT, cross MKE R360/25.0DME at or below 7000FT, cross MKE R360/30.0DME at or above 5000FT, cross NAPRO at or above 3000FT.

KURIS NR.2 ARRIVAL

From over KURIS, via SPE 17.7DME clockwise ARC to NAPRO.
Cross NAPRO at or above 3000FT.

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

STAR



STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY01L

BAMBI SOUTH ARRIVAL
BAMBI NORTH ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.

VAR 9° W



CHANGE : Description of VAR and HLDG pattern.

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY01L



BAMBI SOUTH ARRIVAL

From NAVER, to BAMBI at or above 2000FT.

Critical DME	CHE, MKE : 19.0NM to BAMBI - BAMBI
DME GAP	NAVER - 19.0NM to BAMBI
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	NAVER	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	BAMBI	—	031 (022.0)	-9.3	25.1	—	+2000	—	—	RNAV1

BAMBI NORTH ARRIVAL

From KURIS, to GUFFI, to YOSHA at or above 6000FT, to HOKKI, to BAMBI at or above 2000FT.

Critical DME	SPE : KURIS - 10.0NM to GUFFI CHE : 13.0NM to YOSHA - 3.0NM to YOSHA HOKKI - BAMBI MKE : HOKKI - BAMBI
DME GAP	3.0NM to YOSHA - HOKKI
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	KURIS	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	GUFFI	—	172 (162.9)	-9.3	20.9	—	—	—	—	RNAV1
003	TF	YOSHA	Y	185 (175.9)	-9.3	14.1	—	+6000	—	—	RNAV1
004	TF	HOKKI	—	185 (175.9)	-9.3	3.5	—	—	—	—	RNAV1
005	TF	BAMBI	—	272 (262.8)	-9.3	6.2	—	+2000	—	—	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY01R

YOTEI SOUTH ARRIVAL
YOTEI NORTH ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.

VAR 9° W



CHANGE : Description of VAR and HLDG pattern.

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY01R



YOTEI SOUTH ARRIVAL

From NAVER, to YOTEI at or above 2000FT.

Critical DME	CHE, MKE : 19.0NM to YOTEI - YOTEI
DME GAP	NAVER - 19.0NM to YOTEI
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	NAVER	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	YOTEI	—	032 (022.3)	-9.3	25.1	—	+2000	—	—	RNAV1

YOTEI NORTH ARRIVAL

From KURIS, to GUFFI, to YOSHA at or above 6000FT, to HOKKI, to YOTEI at or above 2000FT.

Critical DME	SPE : KURIS - 10.0NM to GUFFI CHE : 13.0NM to YOSHA - 3.0NM to YOSHA HOKKI - YOTEI MKE : HOKKI - YOTEI
DME GAP	3.0NM to YOSHA - HOKKI
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	KURIS	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	GUFFI	—	172 (162.9)	-9.3	20.9	—	—	—	—	RNAV1
003	TF	YOSHA	Y	185 (175.9)	-9.3	14.1	—	+6000	—	—	RNAV1
004	TF	HOKKI	—	185 (175.9)	-9.3	3.5	—	—	—	—	RNAV1
005	TF	YOTEI	—	272 (262.8)	-9.3	6.0	—	+2000	—	—	RNAV1

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

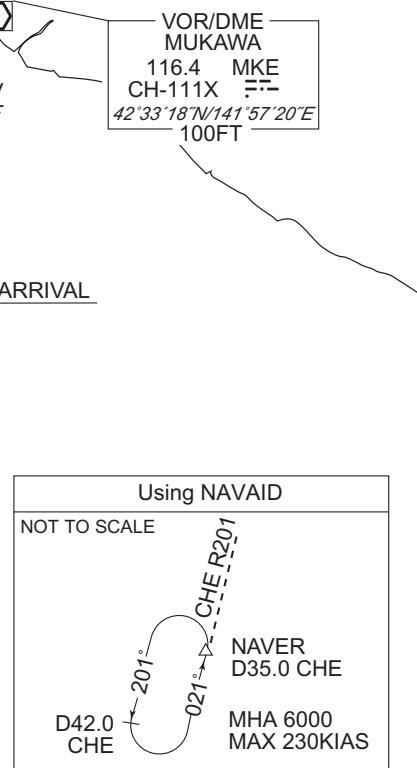
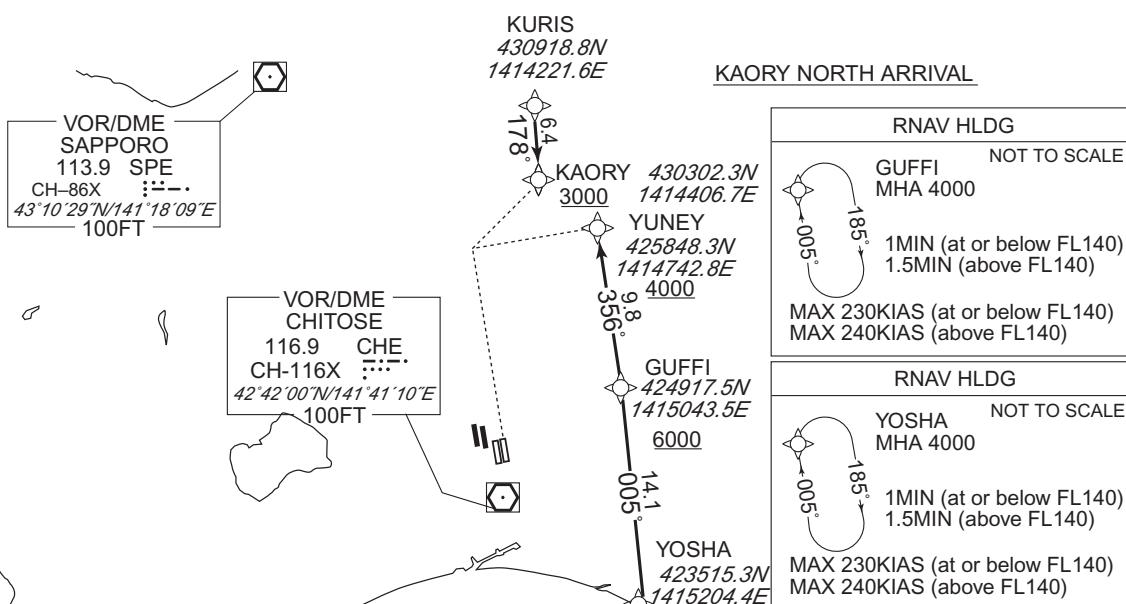
YUNEY SOUTH ARRIVAL
KAORY NORTH ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.

VAR 9° W



CHANGE : Description of VAR and HLDG pattern.

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

YUNEY SOUTH ARRIVAL																																																																																			
From NAVER, to URESY at or above 13000FT, to YOSHA, to GUFFI at or above 6000FT, to YUNEY at or above 4000FT.																																																																																			
<table border="1"> <tr> <td>Critical DME</td> <td>CHE : 18.5NM to URESY - 15.5NM to URESY 10.0NM to GUFFI - GUFFI MKE : 18.5NM to URESY - 3.0NM to YOSHA 1.0NM to YOSHA - YOSHA</td> <td colspan="8"></td> </tr> <tr> <td>DME GAP</td> <td>NAVER - 18.5NM to URESY 3.0NM to YOSHA - 1.0NM to YOSHA YOSHA - 10.0NM to GUFFI</td> <td colspan="8"></td> </tr> <tr> <td>Inappropriate Navaids</td> <td>See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1</td> <td colspan="8" rowspan="2"></td> </tr> </table>				Critical DME	CHE : 18.5NM to URESY - 15.5NM to URESY 10.0NM to GUFFI - GUFFI MKE : 18.5NM to URESY - 3.0NM to YOSHA 1.0NM to YOSHA - YOSHA									DME GAP	NAVER - 18.5NM to URESY 3.0NM to YOSHA - 1.0NM to YOSHA YOSHA - 10.0NM to GUFFI									Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1																																																										
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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																																																																								
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003	TF	YOSHA	—	038 (029.0)	-9.3	6.5	—	—	—	—	RNAV1																																																																								
004	TF	GUFFI	—	005 (356.0)	-9.3	14.1	—	+6000	—	—	RNAV1																																																																								
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Hold	YOSHA	005 (356.0)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	—	-230(-14000) -240(+14001)	RNAV1																																																																										

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

KAORY NORTH ARRIVAL

From KURIS, to KAORY at or above 3000FT.

Critical DME	SPE : KURIS - KAORY
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	KURIS	-	-	-9.3	-	-	-	-	-	RNAV1
002	TF	KAORY	-	178 (168.4)	-9.3	6.4	-	+3000	-	-	RNAV1

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

KAORY ALFA ARRIVAL
KAORY BRAVO ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.

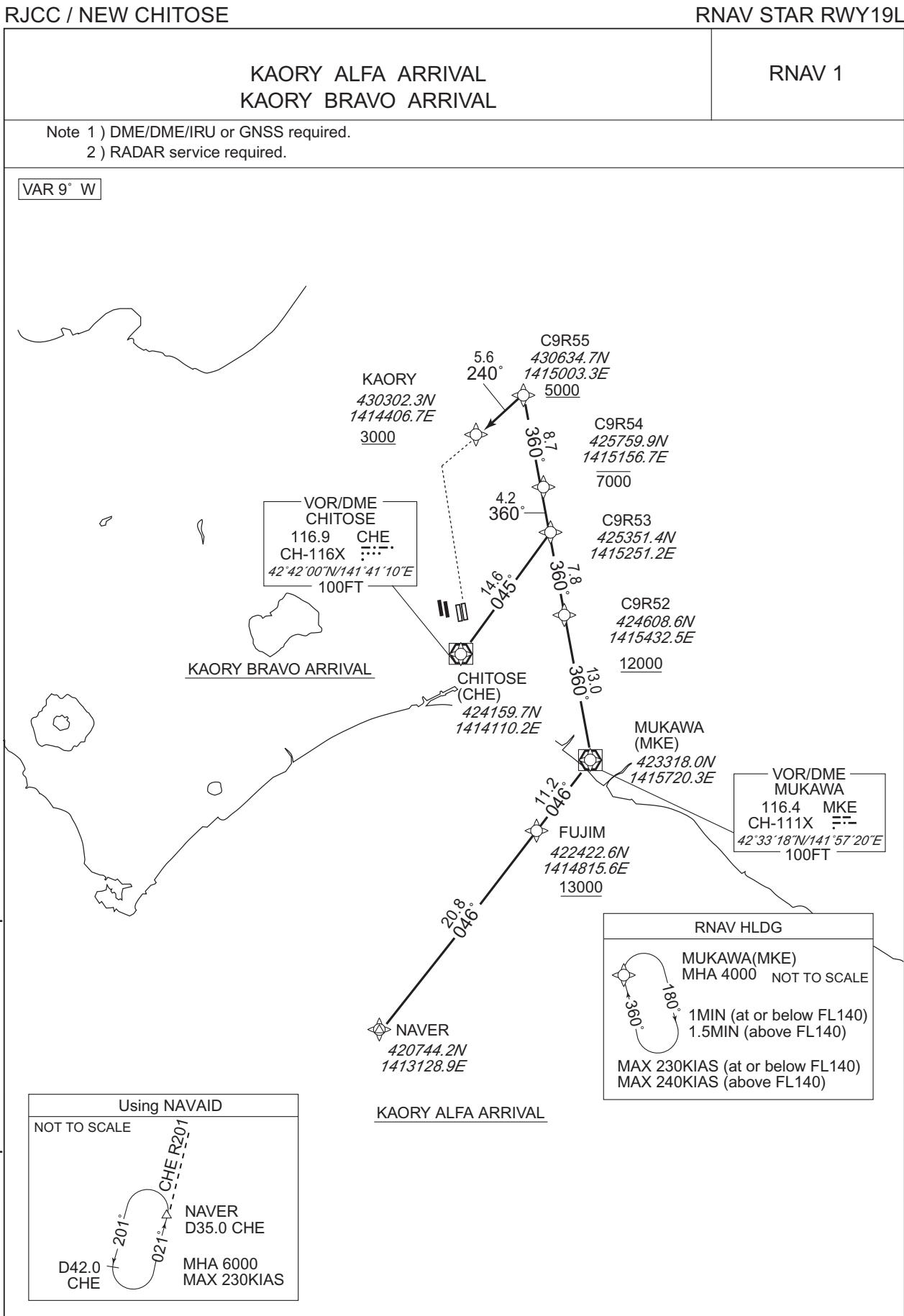
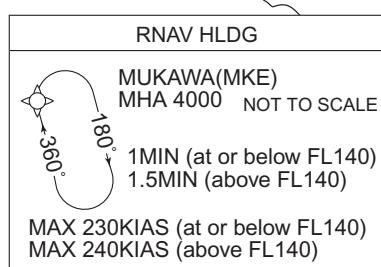
2) RADAR service required.

VAR 9° W

CHANGE : Description of VAR and HLDG pattern.



KAORY ALFA ARRIVAL



STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

KAORY ALFA ARRIVAL

From NAVER, to FUJIM at or above 13000FT, to MKE, to C9R52 at or above 12000FT, to C9R53, to C9R54 at or below 7000FT, to C9R55 at or above 5000FT, to KAORY at or above 3000FT.

Critical DME	SPE: C9R55 - KAORY MKE: 10.0NM to MKE - 3.0NM to MKE 10.0NM to C9R52 - 8.0NM to C9R52
DME GAP	3.0NM to MKE - 10.0NM to C9R52
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	NAVER	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	FUJIM	—	046 (036.6)	-9.3	20.8	—	+13000	—	—	RNAV1
003	TF	MKE	—	046 (036.8)	-9.3	11.2	—	—	—	—	RNAV1
004	TF	C9R52	—	360 (350.9)	-9.3	13.0	—	+12000	—	—	RNAV1
005	TF	C9R53	—	360 (350.9)	-9.3	7.8	—	—	—	—	RNAV1
006	TF	C9R54	—	360 (350.9)	-9.3	4.2	—	-7000	—	—	RNAV1
007	TF	C9R55	—	360 (350.9)	-9.3	8.7	—	+5000	—	—	RNAV1
008	TF	KAORY	—	240 (230.8)	-9.3	5.6	—	+3000	—	—	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	MKE	360 (350.9)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	—	-230(-14000) -240(+14001)	RNAV1

CHANGE : Waypoint identifier(MKE).

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

KAORY BRAVO ARRIVAL

From CHE, to C9R53, to C9R54 at or below 7000FT, to C9R55 at or above 5000FT,
to KAORY at or above 3000FT.

Critical DME	SPE: C9R55 - KAORY
DME GAP	CHE - 11.0NM to C9R53
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	CHE	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	C9R53	—	045 (035.8)	-9.3	14.6	—	—	—	—	RNAV1
003	TF	C9R54	—	360 (350.9)	-9.3	4.2	—	-7000	—	—	RNAV1
004	TF	C9R55	—	360 (350.9)	-9.3	8.7	—	+5000	—	—	RNAV1
005	TF	KAORY	—	240 (230.8)	-9.3	5.6	—	+3000	—	—	RNAV1

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

NAVER ARRIVAL

RNAV 1

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

VAR 9° W

VOR/DME
SAPPORO
113.9 SPE
CH-86X
 $43^{\circ}10'29''N/141^{\circ}18'09''E$
100FT

VOR/DME
CHITOSE
116.9 CHE
CH-116X
 $42^{\circ}42'00''N/141^{\circ}41'10''E$
100FT

KAORY
 $430302.3N$
 $1414406.7E$

3000
330°
356°
112°
005°

YOHCK
 $430010.8N$
 $1414716.6E$

GUFFI
 $424917.5N$
 $1415043.5E$

6000
141
005°

YOSHA
 $423515.3N$
 $1415204.4E$

141
038°
065°

URESY
 $422933.2N$
 $1414746.6E$

13000
24.9°
038°

NAVER
 $420744.2N$
 $1413128.9E$

RNAV HLDG
GUFFI NOT TO SCALE
MHA 4000

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

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

RNAV HLDG
YOSHA NOT TO SCALE
MHA 4000

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

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

VOR/DME
MUKAWA
116.4 MKE
CH-111X
 $42^{\circ}33'18''N/141^{\circ}57'20''E$
100FT

Using NAVAID
NOT TO SCALE
D42.0 CHE

NAVER D35.0 CHE
MHA 6000 MAX 230KIAS

CHANGE : Description of VAR and HLDG pattern.

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

NAVER ARRIVAL

From NAVER, to URESY at or above 13000FT, to YOSHA, to GUFFI at or above 6000FT, to YOHCK, to KAORY at or above 3000FT.

Critical DME	CHE : 18.5NM to URESY - 15.5NM to URESY 10.0NM to GUFFI - GUFFI MKE : 18.5NM to URESY - 3.0NM to YOSHA 1.0NM to YOSHA - YOSHA SPE : YOHCK - KAORY
DME GAP	NAVER - 18.5NM to URESY 3.0NM to YOSHA - 1.0NM to YOSHA YOSHA - 10.0NM to GUFFI
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	NAVER	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	URESY	—	038 (028.8)	-9.3	24.9	—	+13000	—	—	RNAV1
003	TF	YOSHA	—	038 (029.0)	-9.3	6.5	—	—	—	—	RNAV1
004	TF	GUFFI	—	005 (356.0)	-9.3	14.1	—	+6000	—	—	RNAV1
005	TF	YOHCK	—	356 (346.9)	-9.3	11.2	—	—	—	—	RNAV1
006	TF	KAORY	—	330 (320.9)	-9.3	3.7	—	+3000	—	—	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	GUFFI	005 (356.0)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	—	-230(-14000) -240(+14001)	RNAV1
Hold	YOSHA	005 (356.0)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	—	-230(-14000) -240(+14001)	RNAV1

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

YUNNEY EAST ARRIVAL

RNAV 1

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

VAR 10° W

VOR/DME
SAPPORO
113.9 SPE
CH-86X
43°10'29"N 141°18'09"E
100FT

VOR/DME
CHITOSE
116.9 CHE
CH-116X
42°42'00"N 141°41'10"E
100FT

YUNNEY
425848.3N
1414742.8E
4000

GUFFI
424917.5N
1415043.5E
6000

YOSHA
423515.3N
1415204.4E

NIKAP
422609.3N
1415256.5E
10000

VANKM
421703.3N
1415348.4E

NAVER
420744.2N
1413128.9E

RNAV HLDG
NOT TO SCALE
GUFFI MHA 4000
1MIN (at or below FL140)
1.5MIN (above FL140)
MAX 230KIAS (at or below FL140)
MAX 240KIAS (above FL140)

RNAV HLDG
NOT TO SCALE
YOSHA MHA 4000
1MIN (at or below FL140)
1.5MIN (above FL140)
MAX 230KIAS (at or below FL140)
MAX 240KIAS (above FL140)

VOR/DME
MUKAWA
116.4 MKE
CH-111X
42°33'18"N 141°57'20"E
100FT

Using NAVAID
NOT TO SCALE
CHE R201
D42.0 CHE
NAVER D35.0 CHE
MHA 6000
MAX 230KIAS

CHANGE : Description of VAR and HLDG pattern.

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

YUNEY EAST ARRIVAL

From NAVER, to VANKM, to NIKAP at or below 10000FT, to YOSHA, to GUFFI at or above 6000FT, to YUNEY at or above 4000FT.

Critical DME	CHE : 10.0NM to GUFFI - GUFFI MKE : 7.0NM to VANKM - YOSHA
DME GAP	YOSHA - 10.0NM to GUFFI
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	NAVER	—	—	-9.5	—	—	—	—	—	RNAV1
002	TF	VANKM	—	070 (060.5)	-9.5	19.0	—	—	—	—	RNAV1
003	TF	NIKAP	—	006 (356.0)	-9.5	9.1	—	-10000	—	—	RNAV1
004	TF	YOSHA	—	006 (356.0)	-9.5	9.1	—	—	—	—	RNAV1
005	TF	GUFFI	—	005 (356.0)	-9.5	14.1	—	+6000	—	—	RNAV1
006	TF	YUNEY	—	356 (347.0)	-9.5	9.8	—	+4000	—	—	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	GUFFI	005 (356.0)	-9.5	1.0(-14000) 1.5(+14001)	R	4000	—	-230(-14000) -240(+14001)	RNAV1
Hold	YOSHA	006 (356.0)	-9.5	1.0(-14000) 1.5(+14001)	R	4000	—	-230(-14000) -240(+14001)	RNAV1

CHANGE : Critical DME

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19R

NAGANUMA SOUTH ARRIVAL
NAGANUMA NORTH ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.

VAR 9° W

VOR/DME
SAPPORO
113.9 SPE
CH-86X
 $43^{\circ}10'29''N/141^{\circ}18'09''E$
100FT

NAGANUMA NORTH ARRIVAL

KURIS
 $430918.8N$
 $1414221.6E$
3000

KAORY
 $430302.3N$
 $1414406.7E$

NACKS
 $430000.7N$
 $1413902.5E$

YOHCK
 $430010.8N$
 $1414716.6E$

VOR/DME
CHITOSE
116.9 CHE
CH-116X
 $42^{\circ}42'00''N/141^{\circ}41'10''E$
100FT

GUFFI
 $424917.5N$
 $1415043.5E$
6000

RNAV HLDG
NOT TO SCALE
GUFFI MHA 4000
1MIN (at or below FL140)
1.5MIN (above FL140)
MAX 230KIAS (at or below FL140)
MAX 240KIAS (above FL140)

YOSHA
 $423515.3N$
 $1415204.4E$
13000

RNAV HLDG
NOT TO SCALE
YOSHA MHA 4000
1MIN (at or below FL140)
1.5MIN (above FL140)
MAX 230KIAS (at or below FL140)
MAX 240KIAS (above FL140)

VOR/DME
MUKAWA
116.4 MKE
CH-111X
 $42^{\circ}33'18''N/141^{\circ}57'20''E$
100FT

NAGANUMA SOUTH ARRIVAL

NAVER
 $420744.2N$
 $1413128.9E$

Using NAVID
NOT TO SCALE
CHE_R201
NAVER D35.0 CHE
MHA 6000 MAX 230KIAS
D42.0 CHE
021°
201°

CHANGE : Description of VAR and HLDG pattern.

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19R

NAGANUMA SOUTH ARRIVAL

From NAVER, to URESY at or above 13000FT, to YOSHA, to GUFFI at or above 6000FT, to YOHCK, to KAORY, to NACKS at or above 3000FT.

Critical DME	CHE : 18.5NM to URESY - 15.5NM to URESY 10.0NM to GUFFI - GUFFI 1.0NM to NACKS - NACKS MKE : 18.5NM to URESY - 3.0NM to YOSHA 1.0NM to YOSHA - YOSHA SPE : YOHCK - NACKS
DME GAP	NAVER - 18.5NM to URESY 3.0NM to YOSHA - 1.0NM to YOSHA YOSHA - 10.0NM to GUFFI
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	NAVER	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	URESY	—	038 (028.8)	-9.3	24.9	—	+13000	—	—	RNAV1
003	TF	YOSHA	—	038 (029.0)	-9.3	6.5	—	—	—	—	RNAV1
004	TF	GUFFI	—	005 (356.0)	-9.3	14.1	—	+6000	—	—	RNAV1
005	TF	YOHCK	—	356 (346.9)	-9.3	11.2	—	—	—	—	RNAV1
006	TF	KAORY	—	330 (320.9)	-9.3	3.7	—	—	—	—	RNAV1
007	TF	NACKS	—	240 (230.9)	-9.3	4.8	—	+3000	—	—	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	GUFFI	005 (356.0)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	—	-230(-14000) -240(+14001)	RNAV1
Hold	YOSHA	005 (356.0)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	—	-230(-14000) -240(+14001)	RNAV1

NAGANUMA NORTH ARRIVAL

From KURIS, to NACKS at or above 3000FT.

Critical DME	CHE : 1.0NM to NACKS - NACKS SPE : KURIS - NACKS
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	KURIS	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	NACKS	—	204 (194.7)	-9.3	9.6	—	+3000	—	—	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19R

NACKS ALFA ARRIVAL
NACKS BRAVO ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.

VAR 9° W



CHANGE : Description of VAR and HLDG pattern.

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19R

NACKS ALFA ARRIVAL

From NAVER, to FUJIM at or above 13000FT, to MKE, to C9R52 at or above 12000FT, to C9R53, to C9R54 at or below 7000FT, to C9R55 at or above 5000FT, to NACKS at or above 3000FT.

Critical DME	SPE : C9R55 - NACKS MKE : 10.0NM to MKE - 3.0NM to MKE 10.0NM to C9R52 - 8.0NM to C9R52
DME GAP	3.0NM to MKE - 10.0NM to C9R52
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	NAVER	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	FUJIM	—	046 (036.6)	-9.3	20.8	—	+13000	—	—	RNAV1
003	TF	MKE	—	046 (036.8)	-9.3	11.2	—	—	—	—	RNAV1
004	TF	C9R52	—	360 (350.9)	-9.3	13.0	—	+12000	—	—	RNAV1
005	TF	C9R53	—	360 (350.9)	-9.3	7.8	—	—	—	—	RNAV1
006	TF	C9R54	—	360 (350.9)	-9.3	4.2	—	-7000	—	—	RNAV1
007	TF	C9R55	—	360 (350.9)	-9.3	8.7	—	+5000	—	—	RNAV1
008	TF	NACKS	—	240 (230.8)	-9.3	10.4	—	+3000	—	—	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	MKE	360 (350.9)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	—	-230(-14000) -240(+14001)	RNAV1

CHANGE : Waypoint identifier(MKE).

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19R

NACKS BRAVO ARRIVAL

From CHE, to C9R53, to C9R54 at or below 7000FT, to C9R55 at or above 5000FT,
to NACKS at or above 3000FT.

Critical DME	SPE : C9R55 - NACKS
DME GAP	CHE - 11.0NM to C9R53
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	CHE	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	C9R53	—	045 (035.8)	-9.3	14.6	—	—	—	—	RNAV1
003	TF	C9R54	—	360 (350.9)	-9.3	4.2	—	-7000	—	—	RNAV1
004	TF	C9R55	—	360 (350.9)	-9.3	8.7	—	+5000	—	—	RNAV1
005	TF	NACKS	—	240 (230.8)	-9.3	10.4	—	+3000	—	—	RNAV1

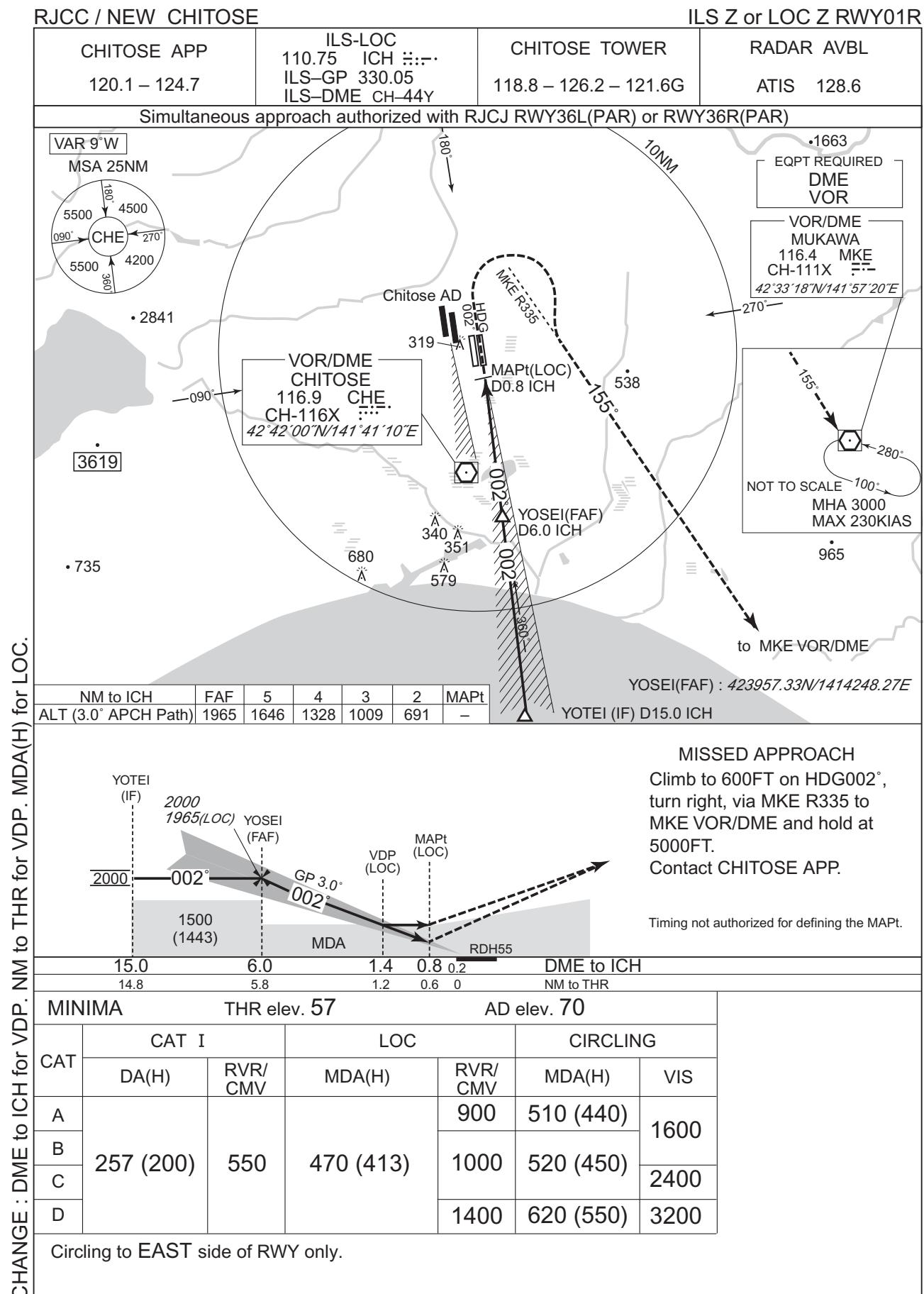
INSTRUMENT APPROACH CHART



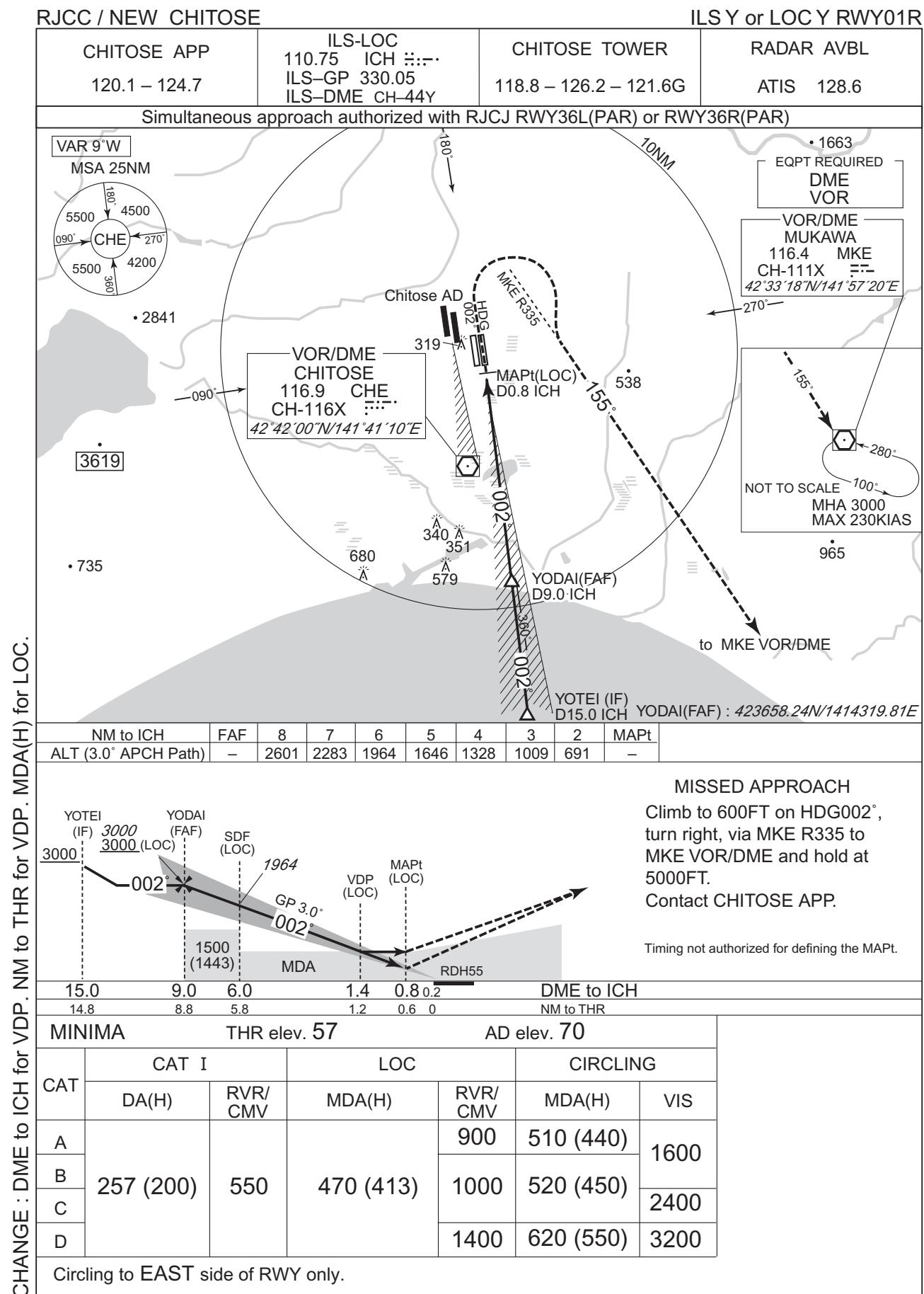
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



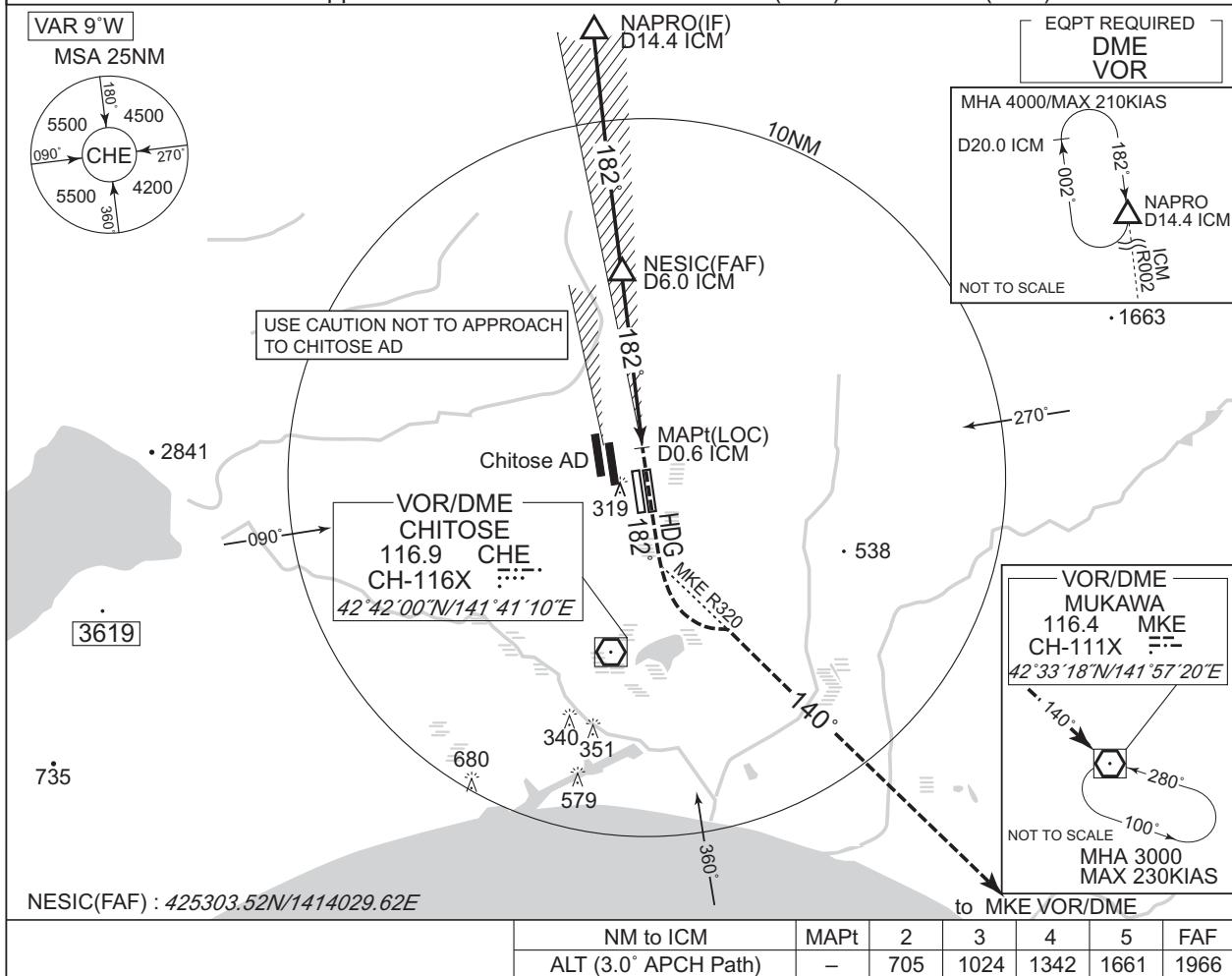
INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

ILS Y or LOC Y RWY19L

CHITOSE APP 120.1 – 124.7	ILS - LOC 109.35 ICM ILS-GP 331.85 ILS-DME CH-30Y	CHITOSE TOWER 118.8 – 126.2 – 121.6G	RADAR AVBL ATIS 128.6
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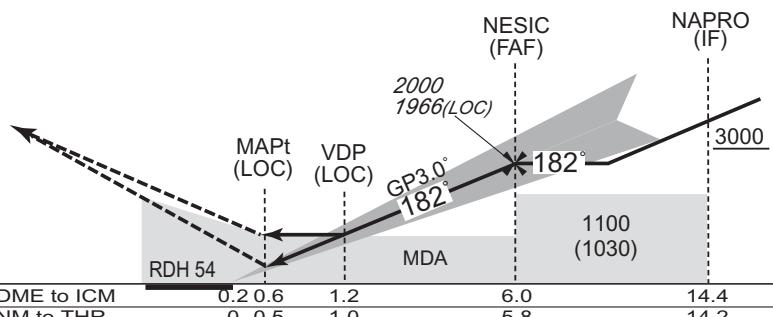
Simultaneous approach authorized with RJCJ RWY18L(PAR) or RWY18R(PAR)



MISSSED APPROACH

Climb to 600FT on HDG182°, turn left, via MKE R320 to MKE VOR/DME and hold at 5000FT. Contact CHITOSE APP.

Timing not authorized for defining the MAPt.



MINIMA THR elev. 77

AD elev. 70

CHANGE : Description of VAR.

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A				1200		
B				1300		
C	277 (200)	700	450 (380)		580 (510)	1600
D				1400		2400
				1600	640 (570)	3200

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

VOR Z RWY19L



MISSSED APPROACH

Turn left, climb via MKE

R328 to 5000FT, proceed to
MKE VOR/DME and hold.

Contact CHITOSE APP.



CAT	MINIMA		THR elev. 77		AD elev. 70		CIRCLING
	MDA(H)	RVR/ CMV	MDA(H)	VIS			
A	620 (550)	1400	620 (550)	1600	900	191°	MAPt D5.5 CHE
B		1500		2400	900	191°	VDP D6.8 CHE
C		1600		3200	900	191°	D9.0 CHE
D		1800	640 (570)		2000		Maoie D12.2 CHE

Circling to EAST side of RWY only.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART



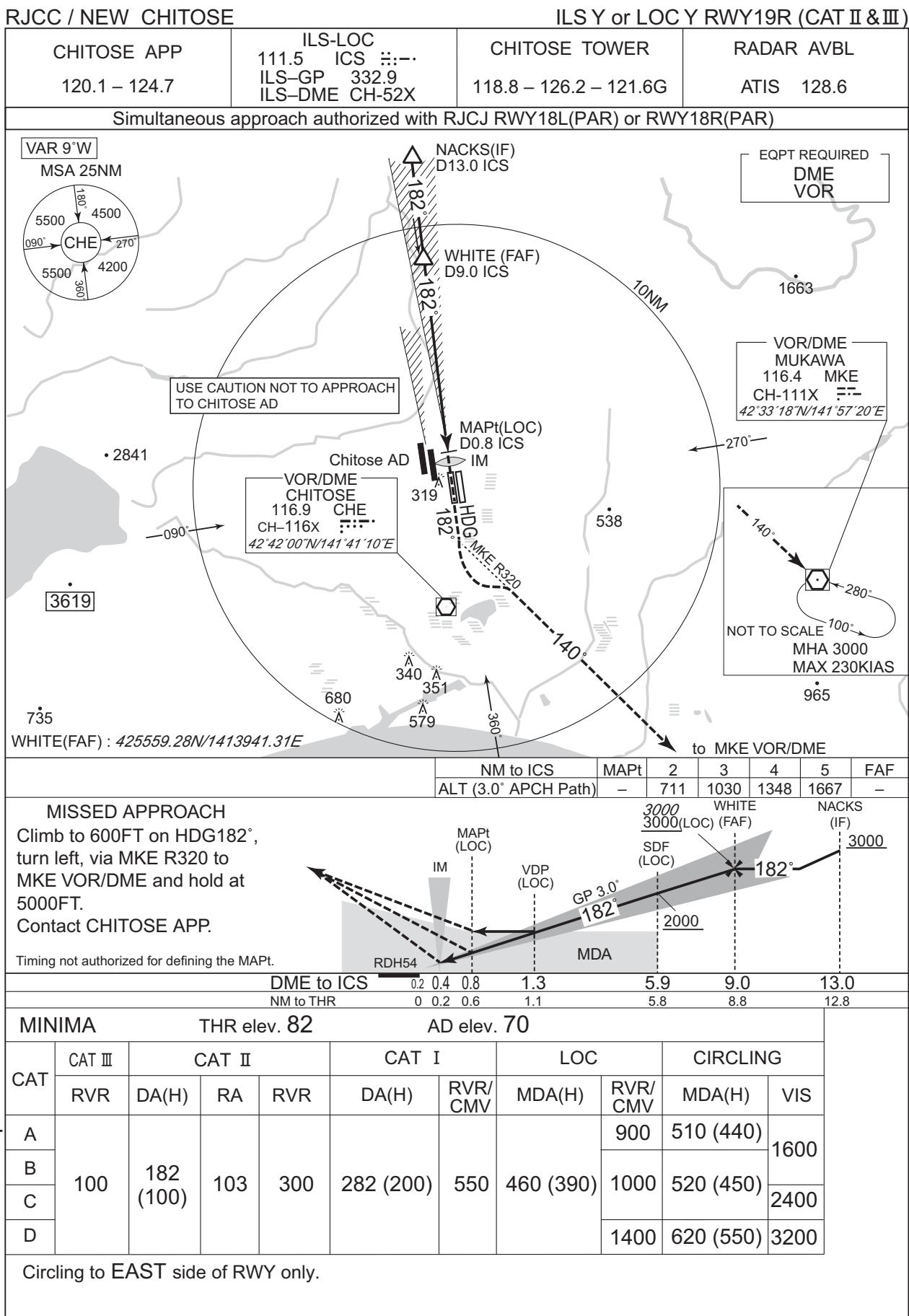
INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

ILS Z or LOC Z RWY19R (CAT II & III)



INSTRUMENT APPROACH CHART



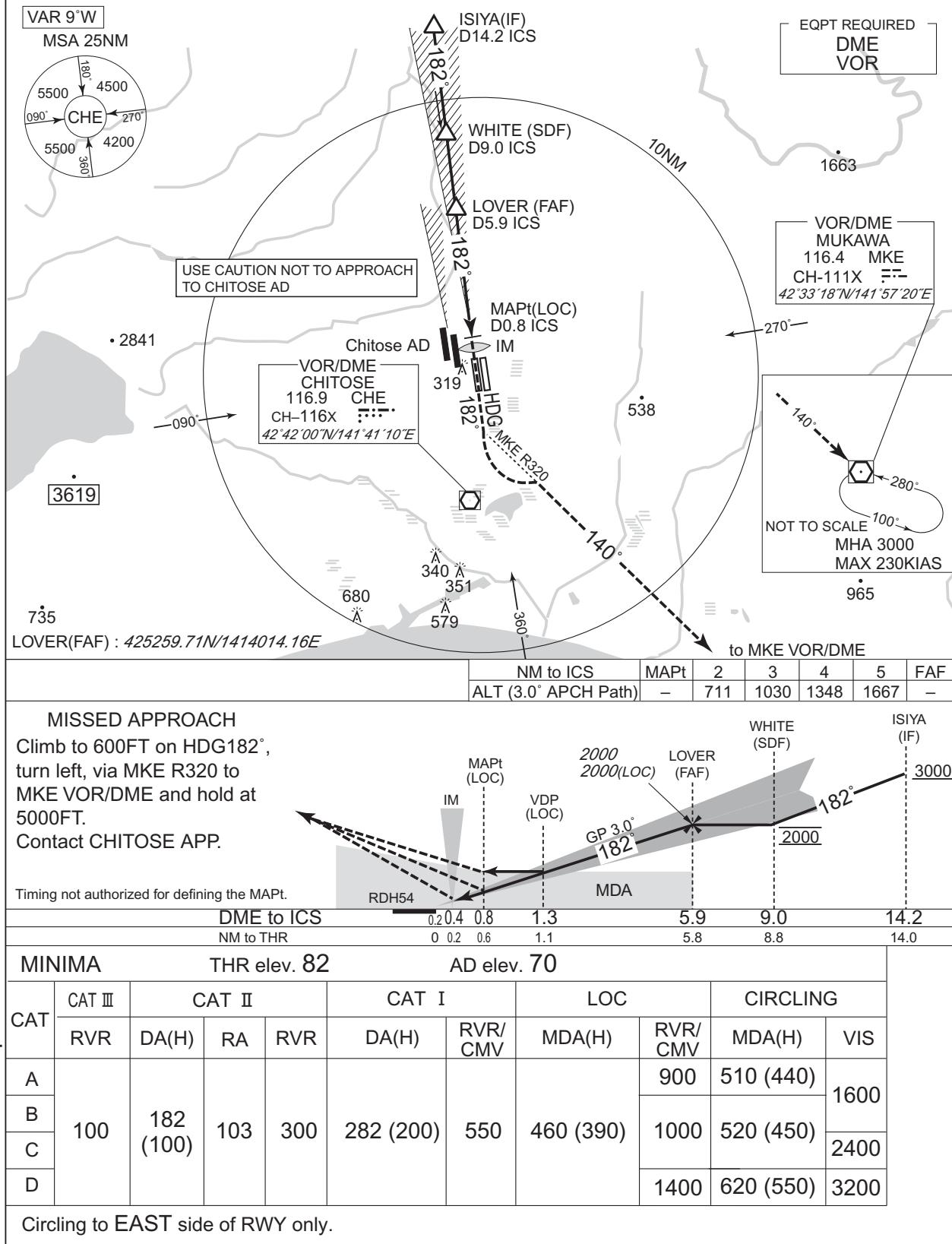
INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

ILS X or LOC X RWY19R (CAT II & III)

CHITOSE APP 120.1 – 124.7	ILS-LOC 111.5 ICS H.--. ILS-GP 332.9 ILS-DME CH-52X	CHITOSE TOWER 118.8 – 126.2 – 121.6G	RADAR AVBL ATIS 128.6
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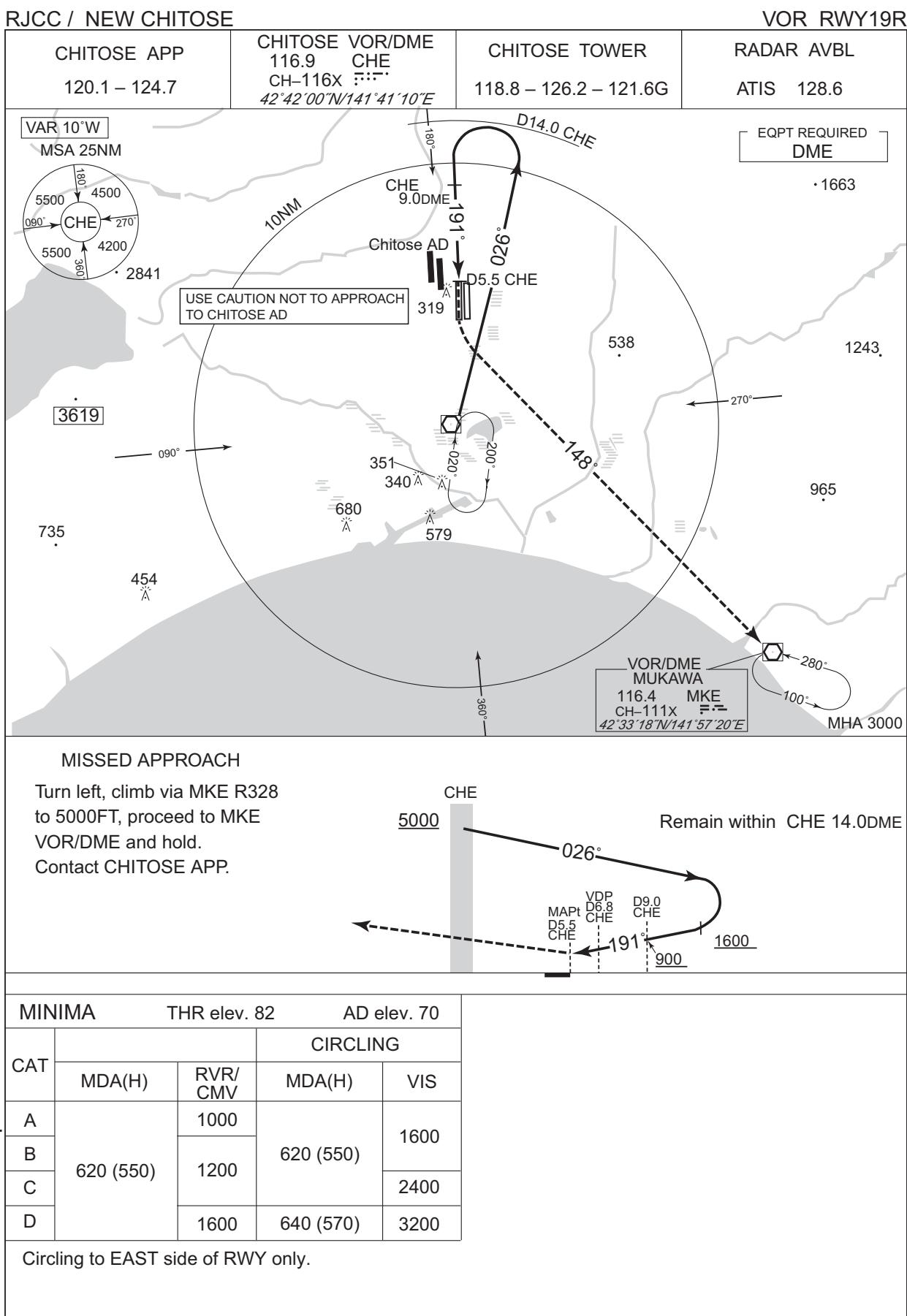
Simultaneous approach authorized with RJCJ RWY18L(PAR) or RWY18R(PAR)



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



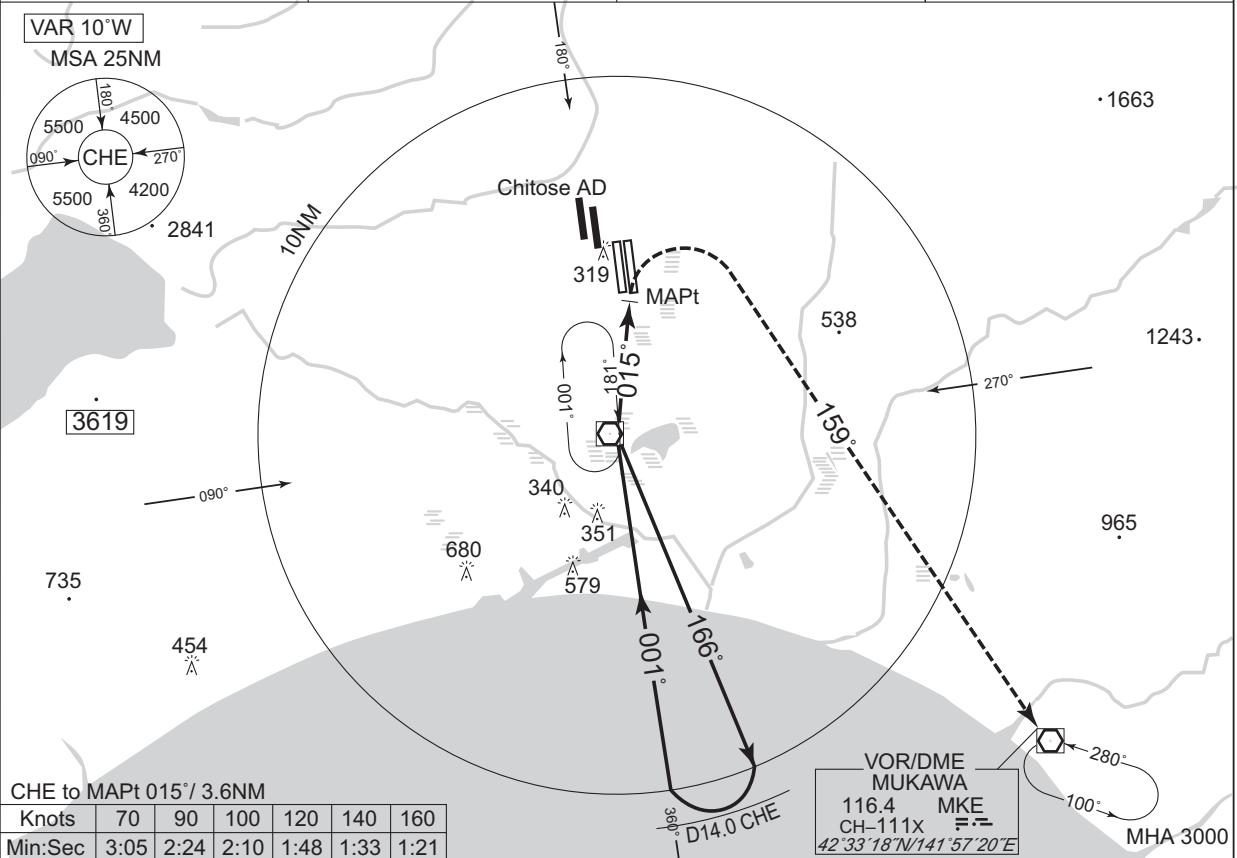
CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

VOR A

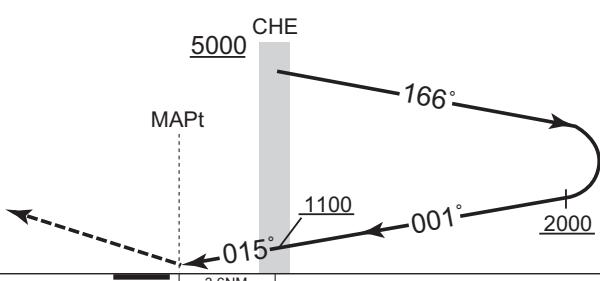
CHITOSE APP 120.1 – 124.7	CHITOSE VOR/DME 116.9 CHE CH-116X  42°42'00"N 141°41'10"E	CHITOSE TOWER 118.8 – 126.2 – 121.6G	RADAR AVBL ATIS 128.6
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MISSED APPROACH

Remain within 14 0NM of CHE

Turn right climb via MKE
R339 to 5000FT. Proceed
to MKE VOR/DME and hold.
Contact CHITOSE APP



MINIMA		AD elev. 70
CAT	CIRCLING	
	MDA(H)	VIS
A	580 (510)	1600
B		2400
C		3200
D	640 (570)	

Circling to EAST side of RWY only.

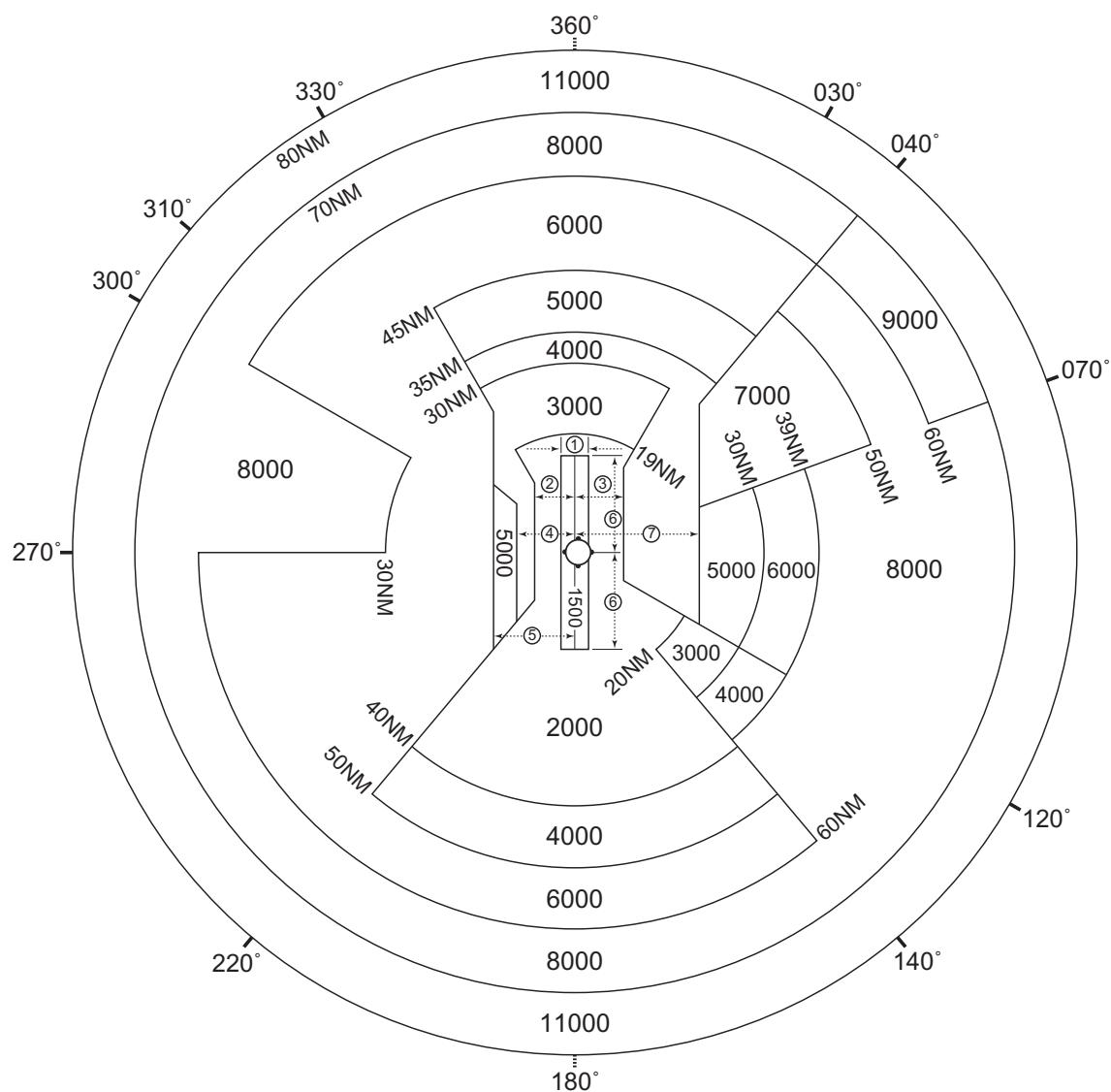
CHANGE : Description of VAR.



RJCC / NEW CHITOSE

Minimum Vectoring Altitude CHART

VAR 10°W (2024)



Each distances as follows,

- ① 4NM
- ② 6NM
- ③ 8NM
- ④ 9NM
- ⑤ 13NM
- ⑥ 15NM
- ⑦ 20NM

CENTER : 424740N/1413959E (RJCJ ARP)

CHANGE: VAR.