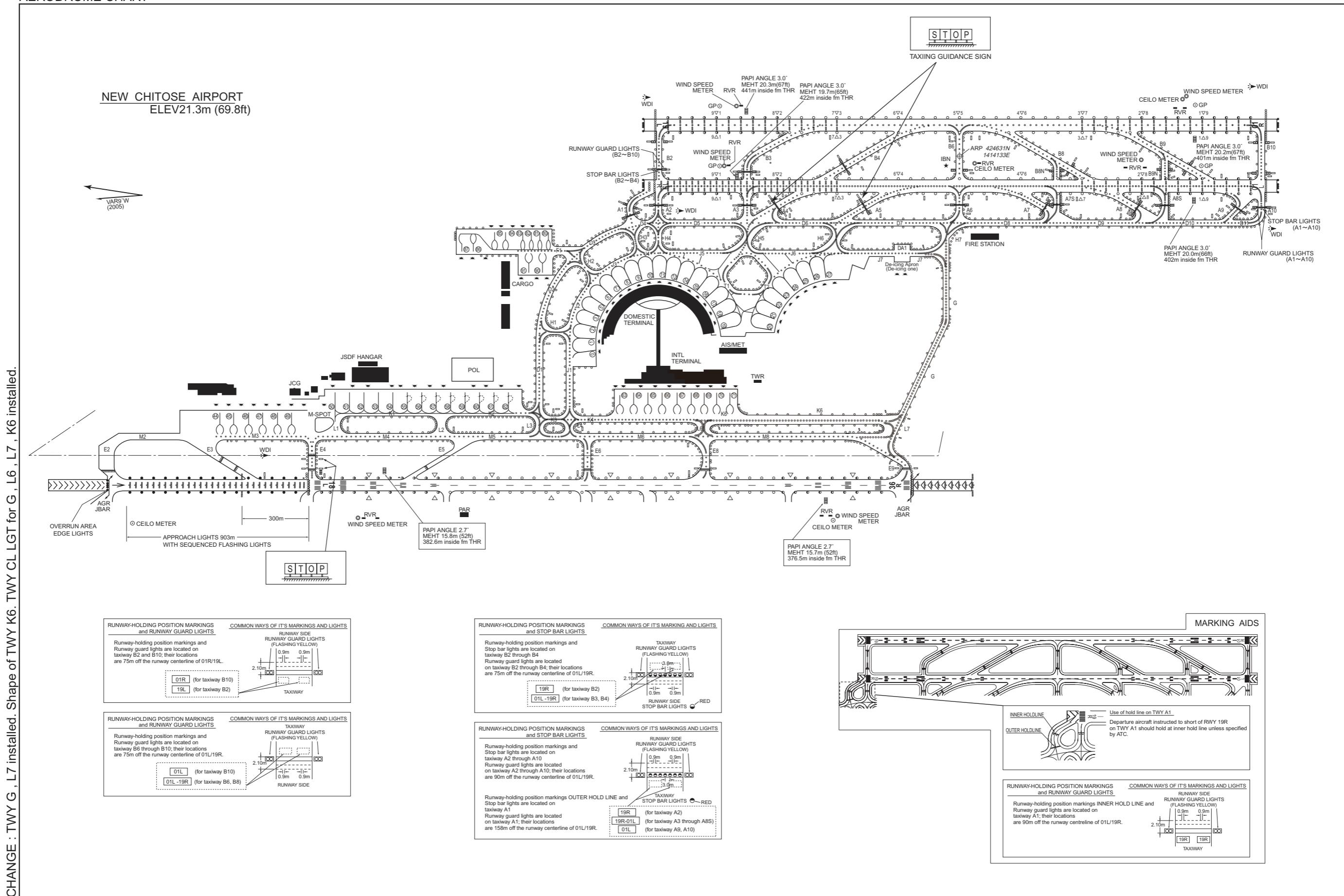
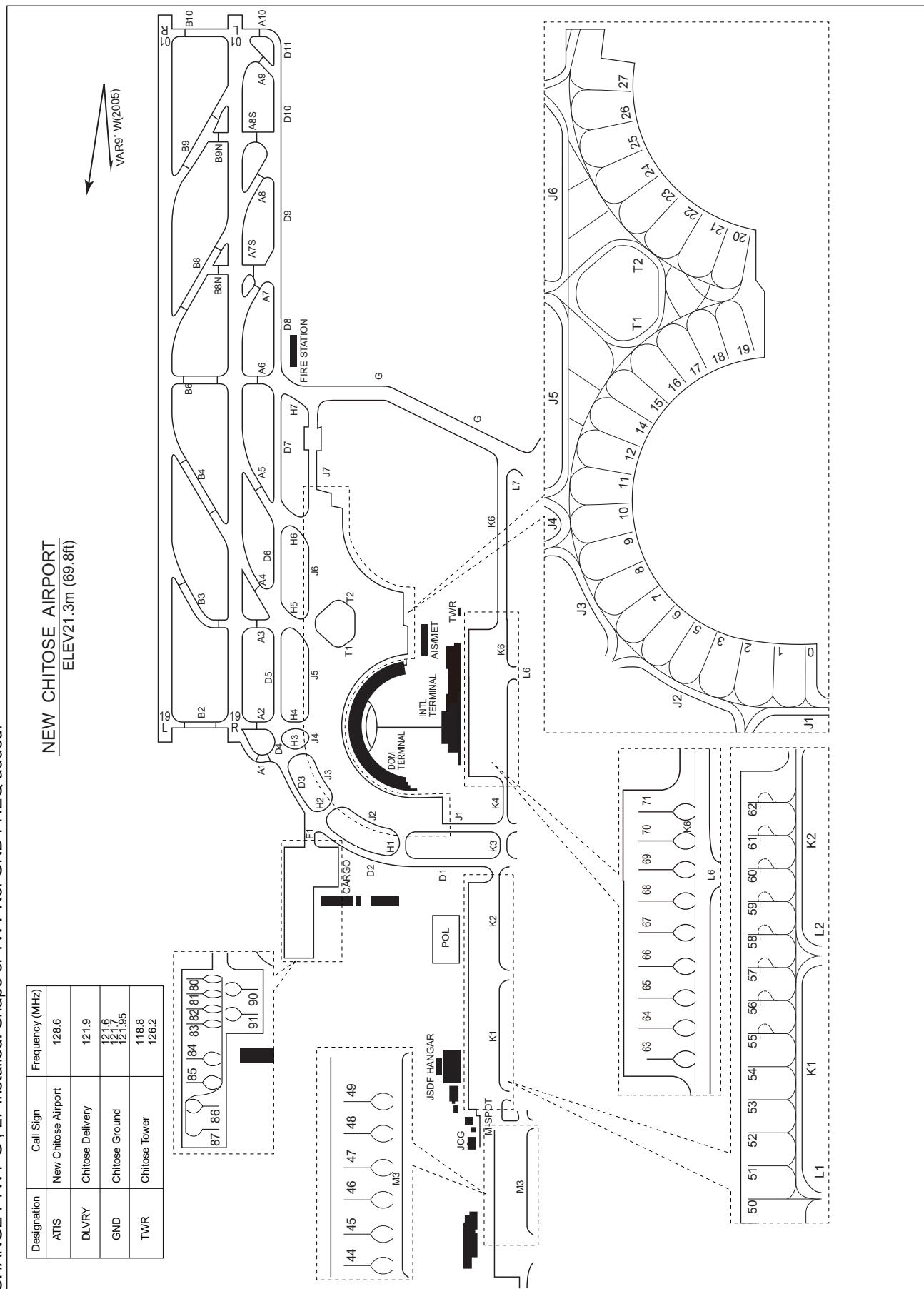


AERODROME CHART



RJCC / NEW CHITOSE

AD CHART

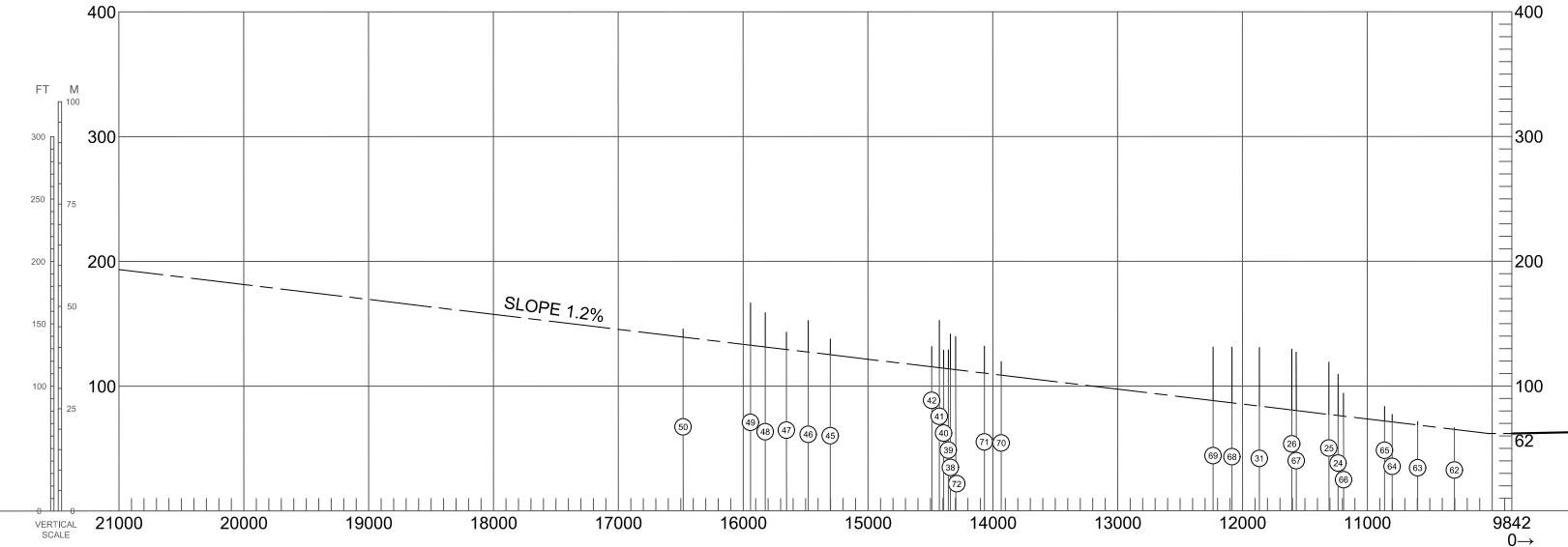


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AERODROME OBSTACLE CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)

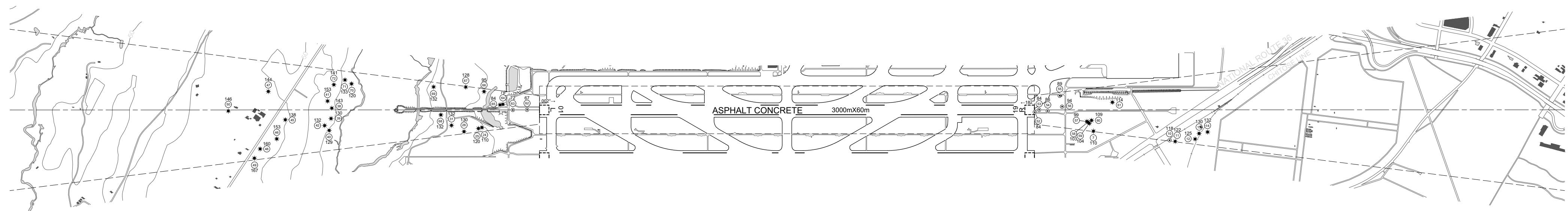
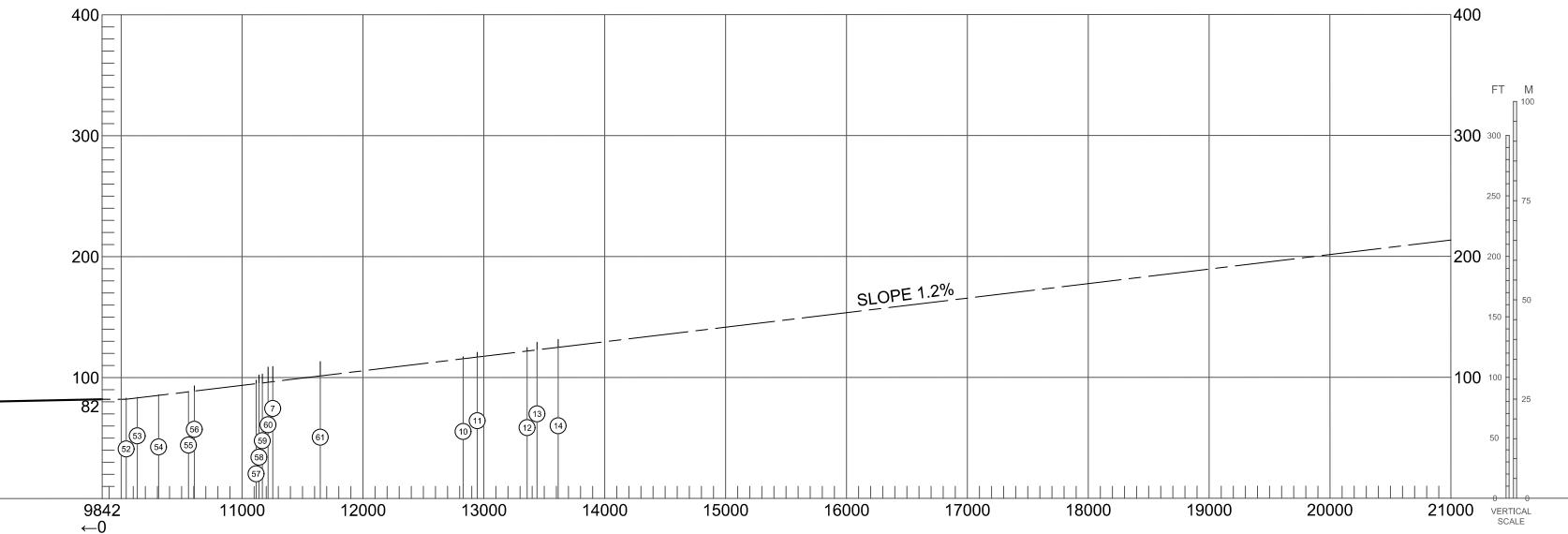
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 9°33' W-APR 2020



NEW CHITOSE AIRPORT  
RWY : 01L/19R

DECLARED DISTANCES	
RWY 01L	RWY 19R
3000m TAKE OFF RUN AVAILABLE	3000m
3000m TAKE OFF DISTANCE AVAILABLE	3000m
3000m ACCELERATE STOP DISTANCE AVAILABLE	3000m
3000m LANDING DISTANCE AVAILABLE	3000m



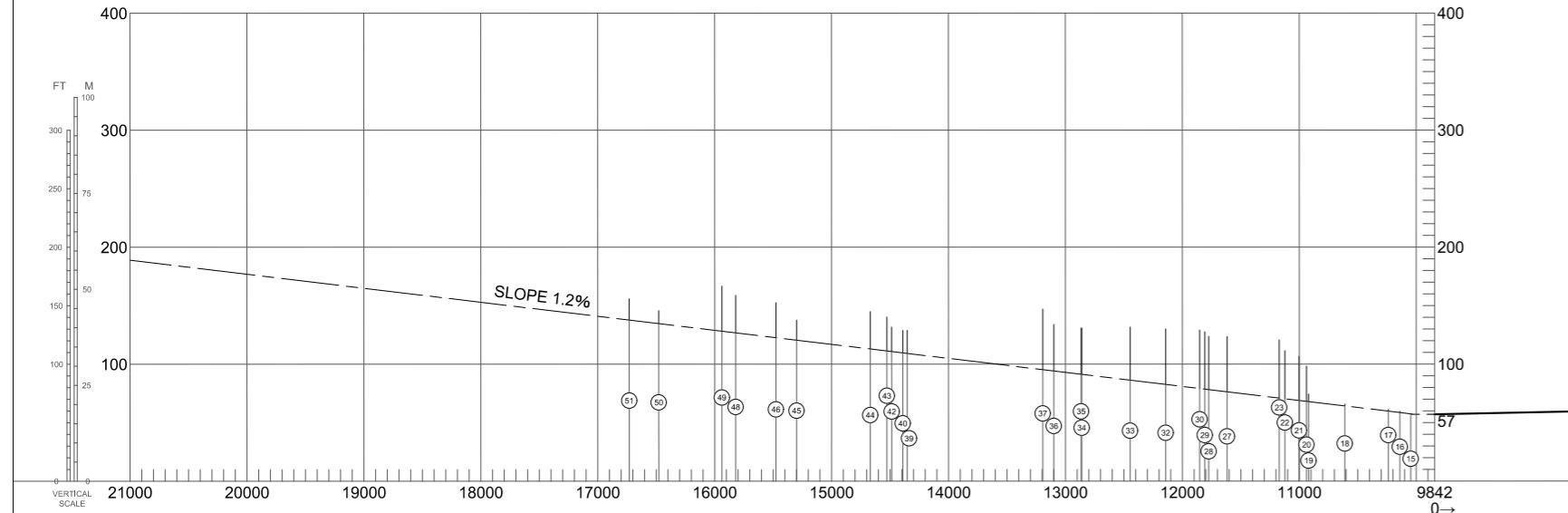
CHANGE:Update

LEGEND			AMENDMENT RECORD		
Nr	Date	Entered By			
(1)	IDENTIFICATION NUMBER				
○	POLE, TOWER, SPIRE, ANTENNA, ETC				
★	AERONAUTICAL GROUND LIGHT				
※	OBSTRUCTION LIGHT				
■	BUILDING OR LARGE STRUCTURE				
—	RAILROAD	▲	TRIANGULATION POINT		
—	TRANSMISSION LINE OR OVERHEAD CABLE				
—	LEVEE				
●	RIVER				
◆	LAKE				
—	CONTOURS(1)				

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

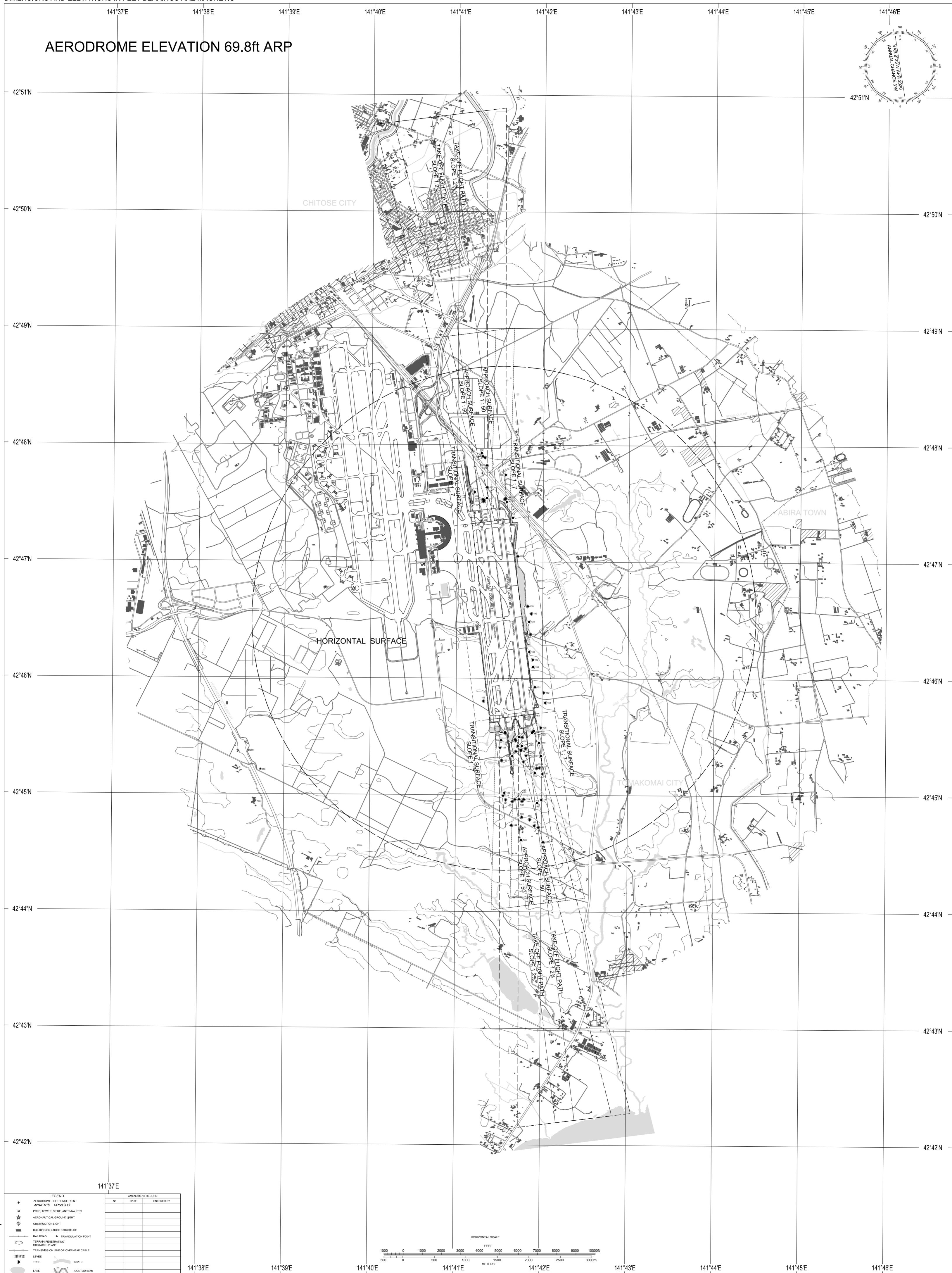


LEGEND		AMENDMENT RECORD	
Nr	Date	Entered By	
(○)	POLE, TOWER, SPIRE, ANTENNA, ETC		
(★)	AERONAUTICAL GROUND LIGHT		
(※)	OBSTRUCTION LIGHT		
(—)	BUILDING OR LARGE STRUCTURE		
(—)	RAILROAD		
(—)	TRANSMISSION LINE OR OVERHEAD CABLE		
(---)	LEVEE		
(▲)	TRIANGULATION POINT		
(—)	TREE		
(—)	RIVER		
(○)	LAKE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

# AERODROME OBSTACLE CHART-ICAO TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

AERODROME ELEVATION 69.8ft ARP

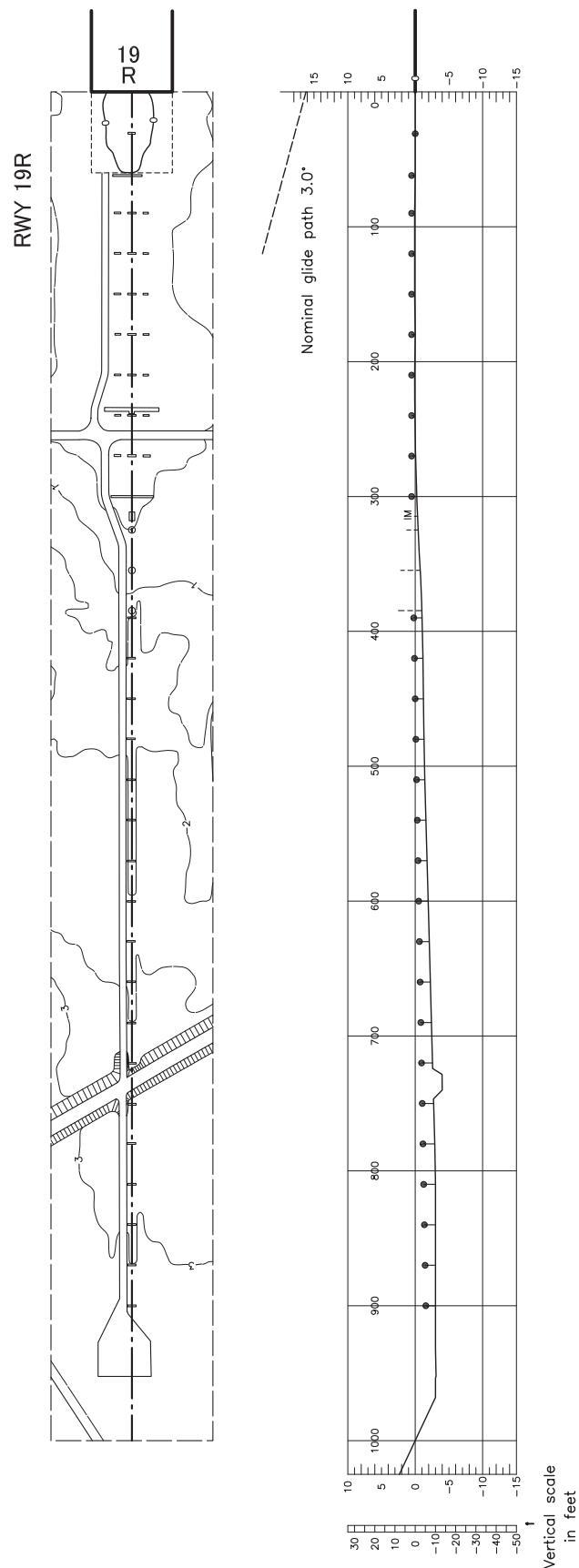


CHANGE:Update

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.

CHITOSE FOUR DEPARTURE



## 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.KURIS SEVEN DEPARTURE

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...

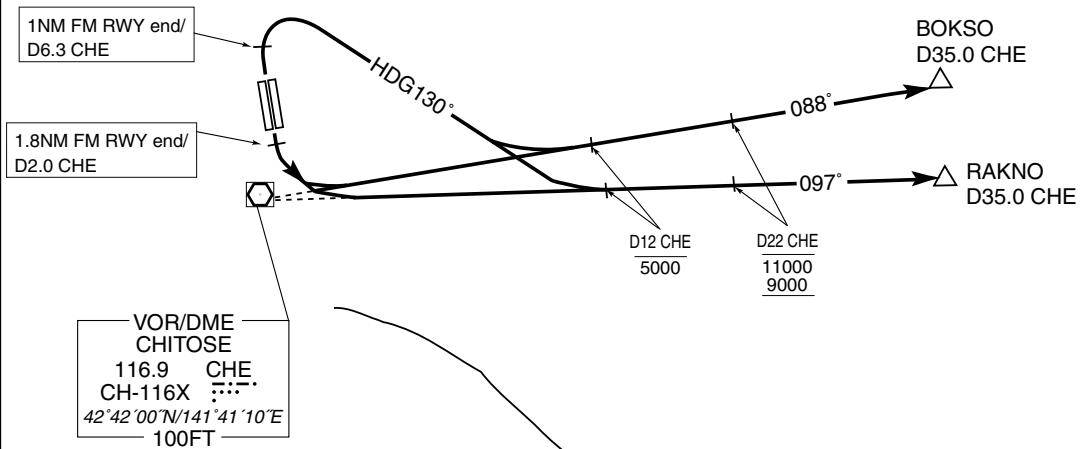
RWY 19R/19L: Climb RWY HDG until 1.8NM FM RWY end/CHE 2.0DME, turn left, via...

...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.

TOKACHI TWO DEPARTURE



## STANDARD DEPARTURE CHART-INSTRUMENT

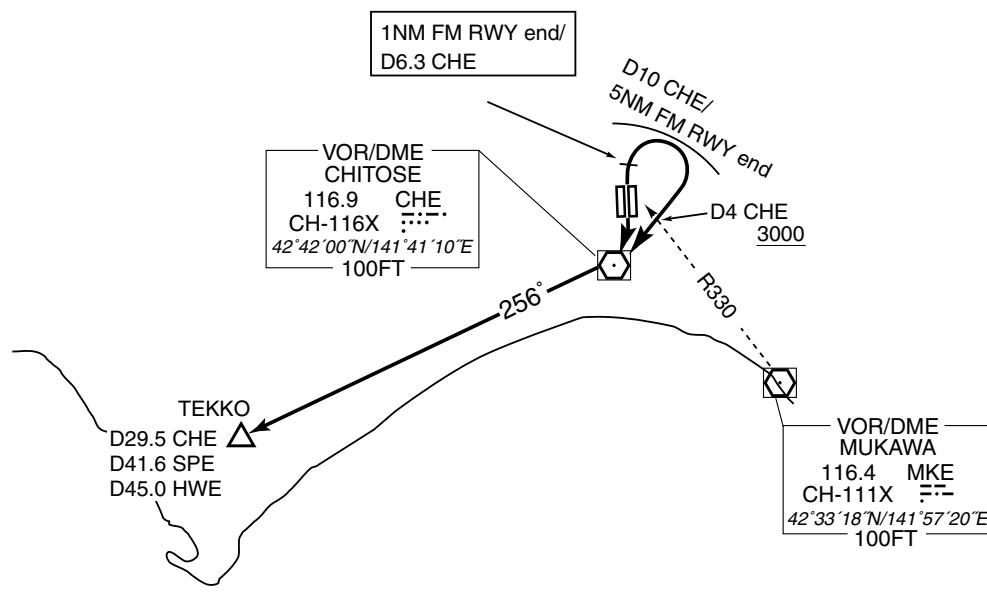
RJCC / NEW CHITOSE

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.

TEKKO ONE DEPARTURE

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.

MUKAWA EIGHT DEPARTURE



## 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.

TOBBY EIGHT DEPARTURE

STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

HAKODATE SIX 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.

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



## STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

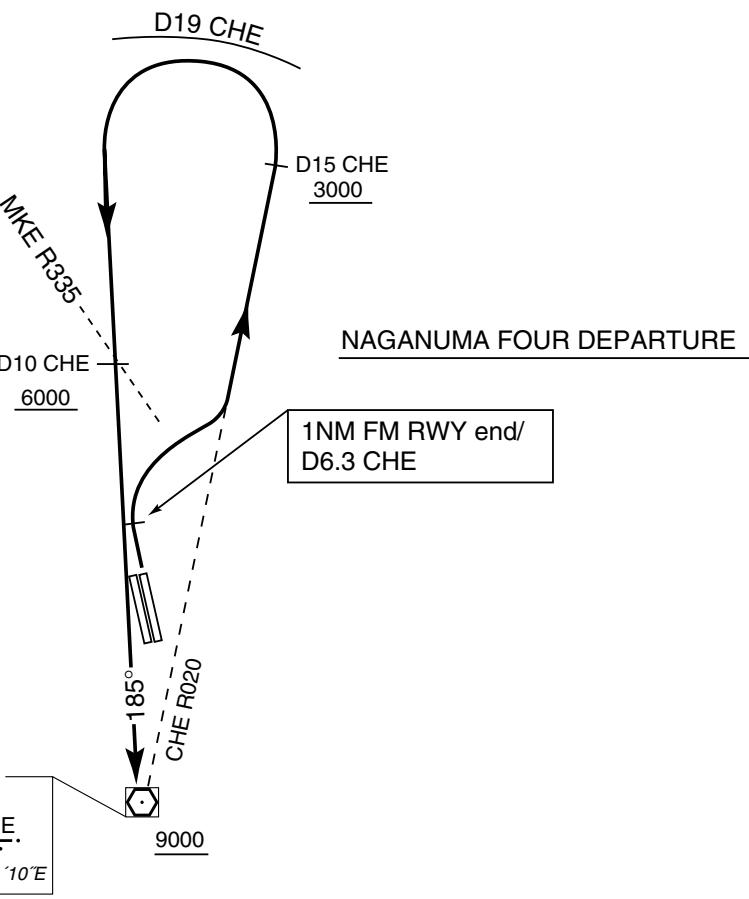
SID

**NAGANUMA FOUR DEPARTURE**

**RWY 01L/01R:** Climb RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right to intercept and proceed via CHE R020 to CHE 15DME, turn left, via CHE R005 to CHE VOR/DME within CHE 19DME.

Cross CHE R020/15DME 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.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

YUFUTSU FOUR 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 R135 (MKE R315) to MKE VOR/DME or after MKE VOR/DME, via MKE R202 to TOBBY.

Cross CHE R135/5DME (MKE R315/10DME) at or above 3000FT, cross MKE R202/7DME at or below 8000FT.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

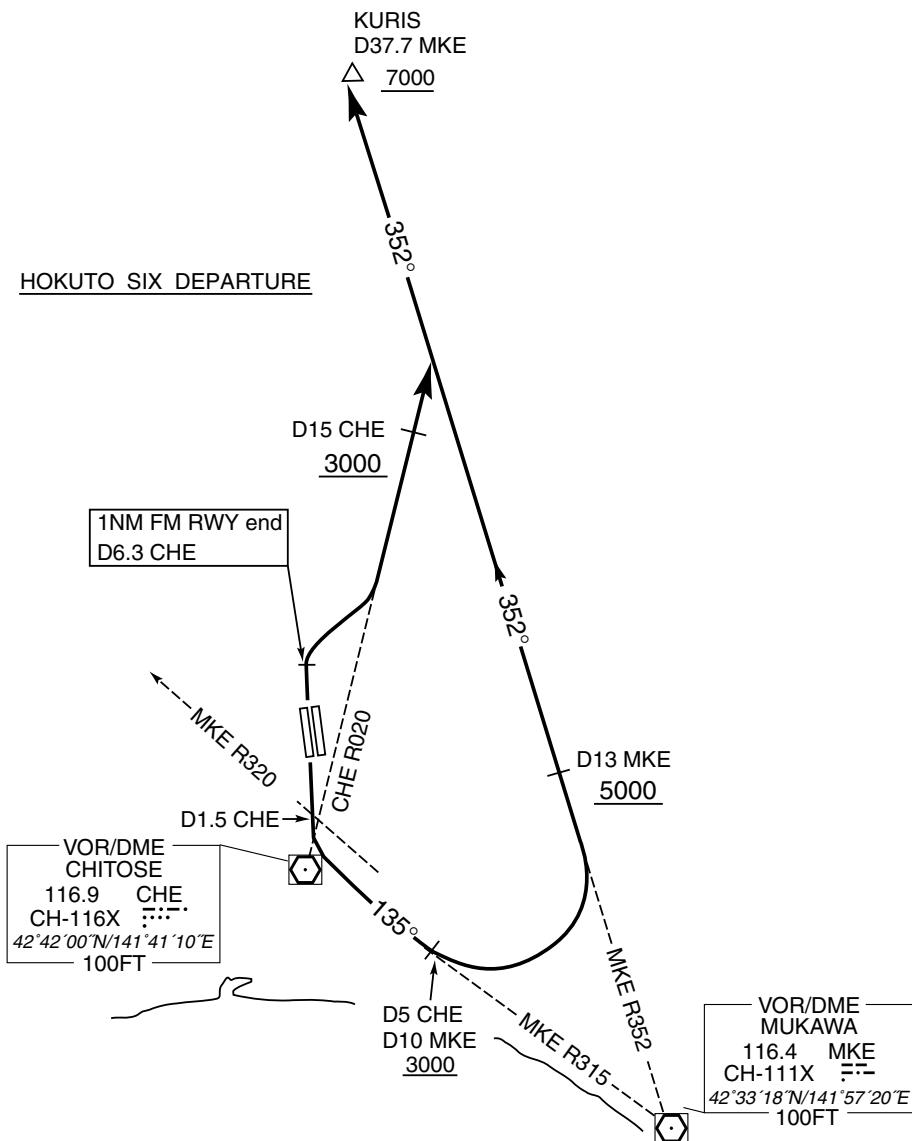
HOKUTO SIX DEPARTURE

RWY 01L/01R: Climb RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right, via CHE R020, via MKE R352 to KURIS.

Cross CHE R020/15DME 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 R135 (MKE R315) to CHE 5DME (MKE 10DME), turn left, via MKE R352 to KURIS.

Cross CHE R135/5DME (MKE R315/10DME) at or above 3000FT, cross MKE R352/13DME at or above 5000FT, cross KURIS at or above 7000FT.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

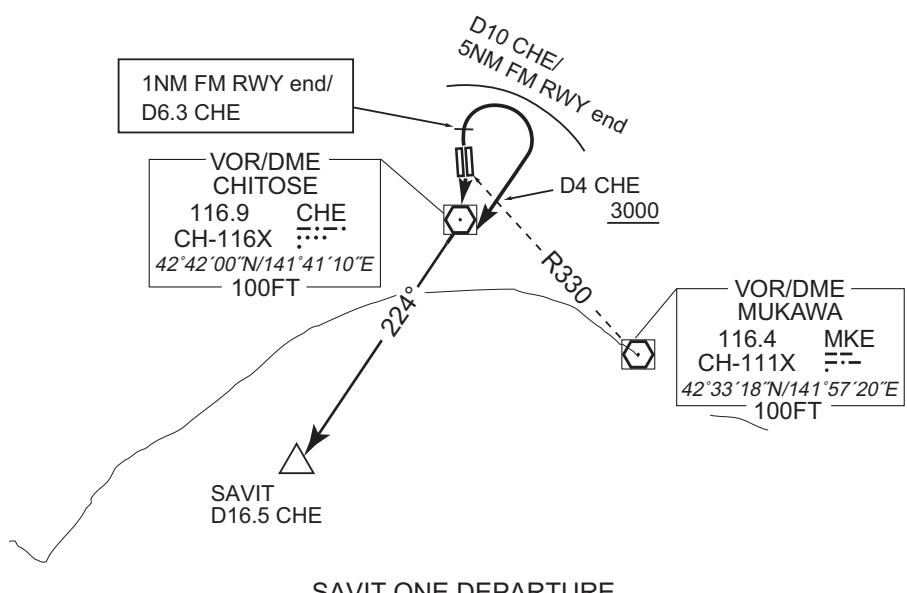
SID

SAVIT ONE 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.

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



CHANGE : New PROC

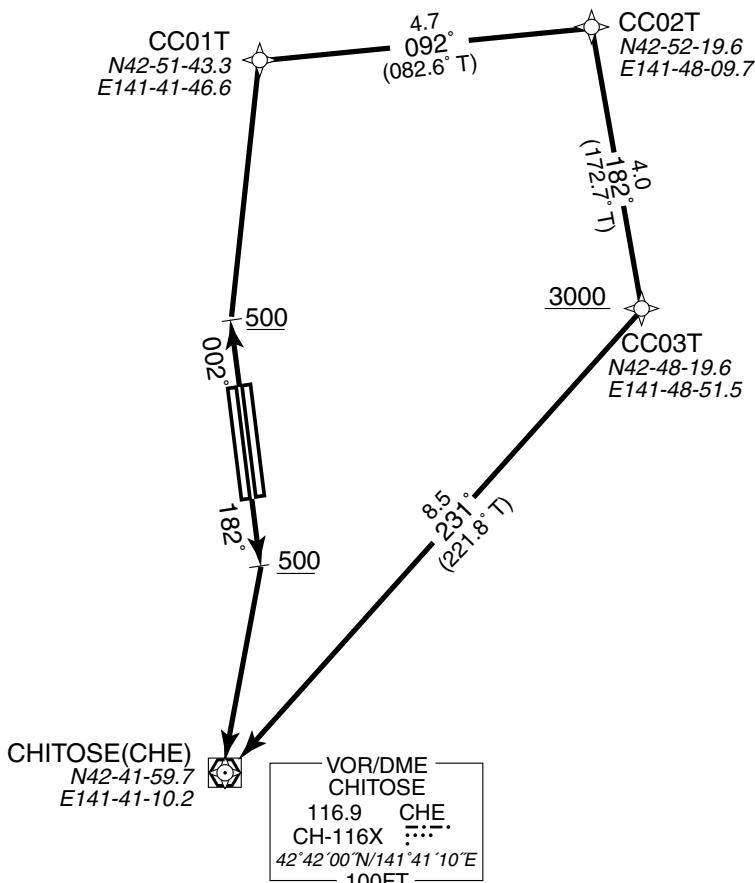
## STANDARD DEPARTURE CHART -INSTRUMENT

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 (2009)



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

SOSHU ONE DEPARTURE

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

RWY19R/19L : Climb on HDG182° at or above 500FT, direct to CHITOSE(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	CHITOSE (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	CHITOSE (CHE)	—	—	-9.1	—	—	—	—	—	RNAV1

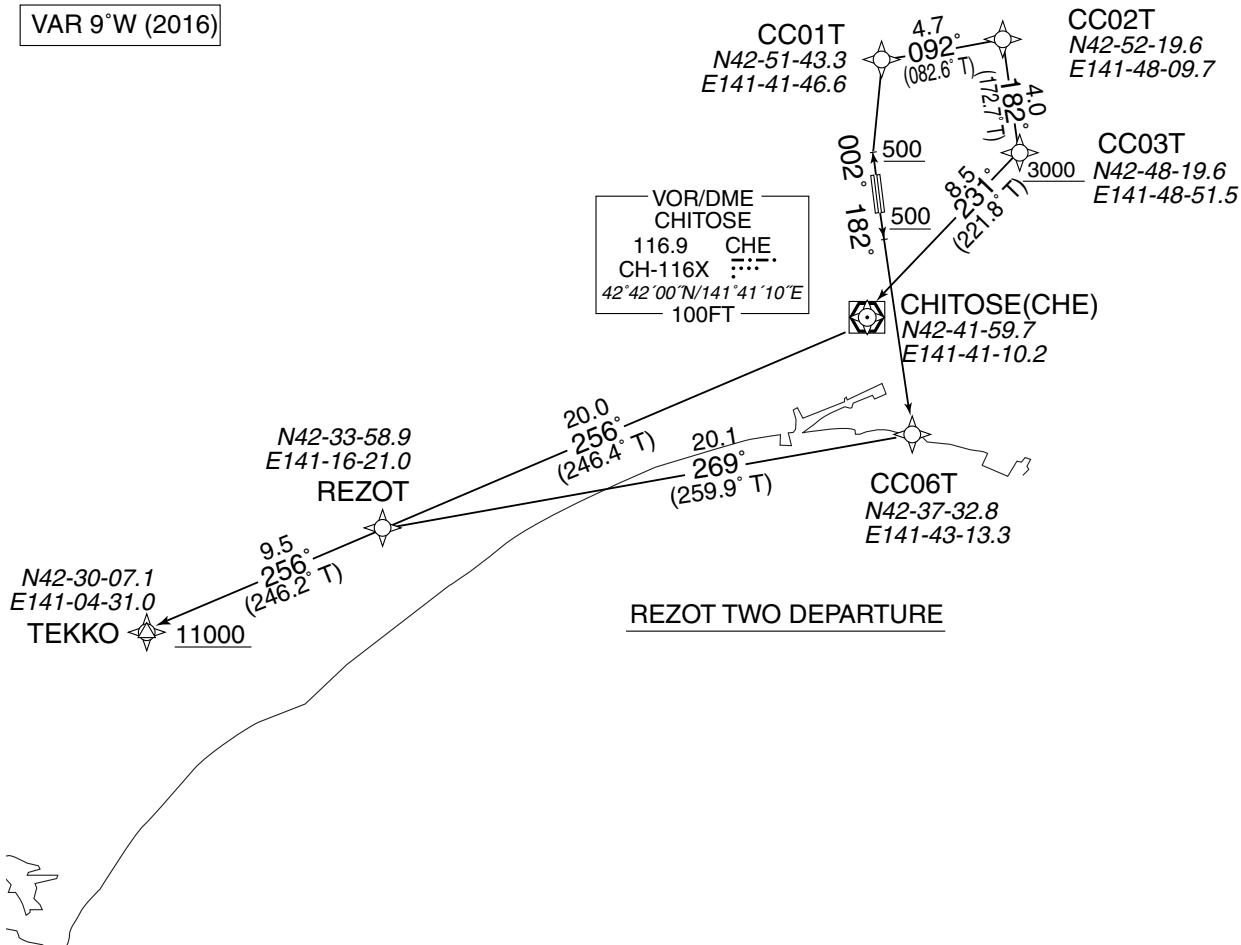
## STANDARD DEPARTURE CHART -INSTRUMENT

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

VAR 9°W (2016)



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.

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	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

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

## 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	RWY01L/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  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
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	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

VAR 9°W (2009)

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.

RWY19L/19R : 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

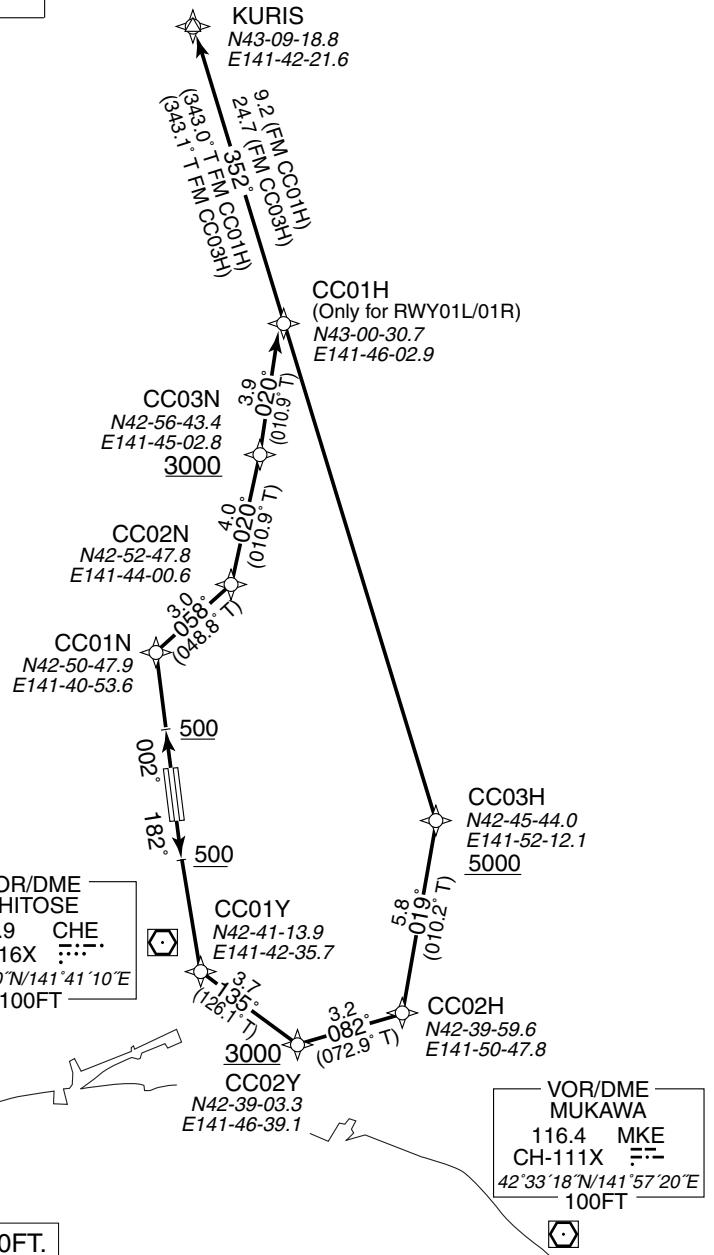
## STANDARD DEPARTURE CHART -INSTRUMENT

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. 2 ) RADAR service required.			Critical DME
DME GAP	RWY01L/01R : DER – 2.0NM FM DER RWY19L/19R : DER – 1.0NM to CC02H		RWY01L/01R SPE : 7.0NM to KURIS – KURIS  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 (2009)



## 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.

RWY19L/19R : 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	RNAV1 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 (2016)

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.

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
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.			
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	RWY01L/01R CHE : 2.0NM FM DER – 2.0NM to CC01T 19.0NM to KUGIE - 18.0NM to KUGIE ZYT : 16.0NM to KUGIE - 13.0NM to KUGIE MKE : 16.0NM to KUGIE - 12.0NM to KUGIE  RWY19L/19R MKE : 6.0NM to NEJIE - 2.0NM to NEJIE NEJIE - 26.8NM to POWAN
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1		

VAR 10° W(2019)

DALBI ONE DEPARTURE

CHANGE : Correction of misdescription(ZALAR COORD)



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

DALBI ONE DEPARTURE

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.

RWY19R/19L : 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																																																																																			
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		DME GAP	-																																																																																
		Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1																																																																																
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CHANGE : New PROC

STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV TRANSITION

SHUYU TRANSITION		RNAV1																																																											
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CHANGE : New PROC

## 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																																																
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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	DALBI	-	205 (195.6)	-9.5	16.8	-	-	-	-	RNAV1																																							

CHANGE : Critical DME

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.

YUKII EAST ARRIVAL

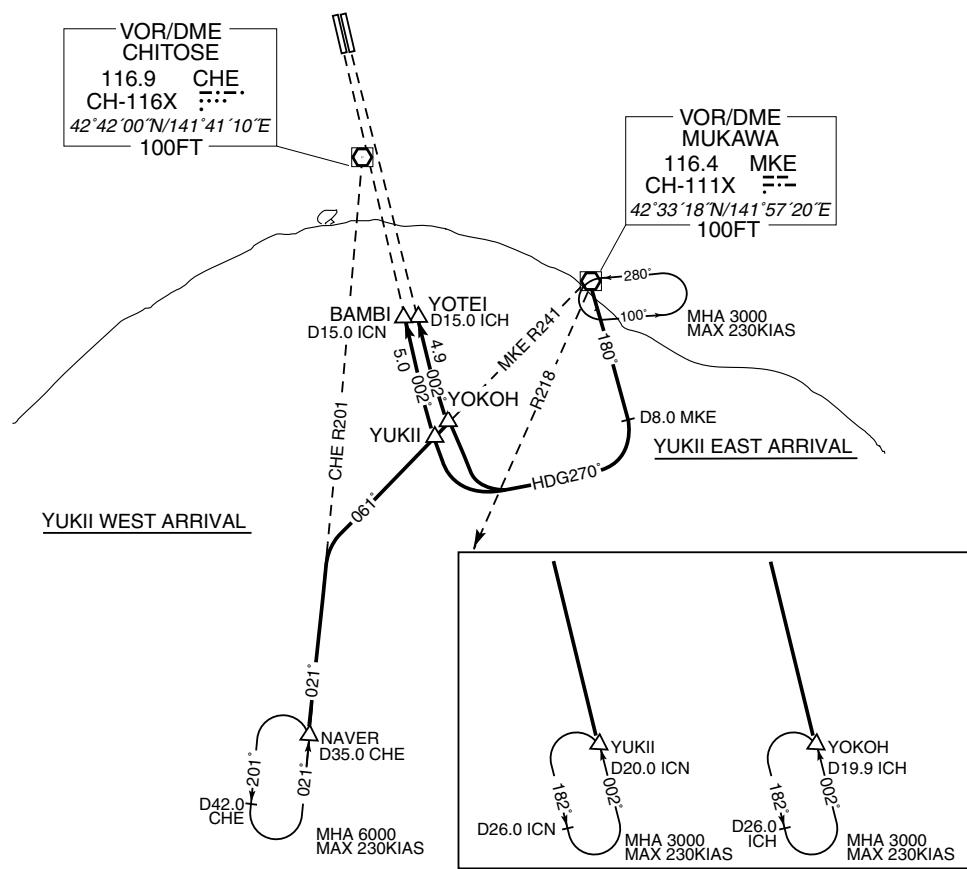
From over MKE VOR/DME, via MKE R180 to 8.0DME, turn right, via HDG 270° to intercept and proceed via ...

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 2000FT.

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

STARs for ILS Y or LOC Y RWY19L

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

SPE R103  
SPE R130

KURIS NR.2 ARRIVAL

KURIS  
R103/D17.7 SPE  
R011/D27.4 CHE  
R352/D37.7 MKE

D17.7 SPE ARC

NAPRO  
R002/D14.4 ICM  
R130/D17.7 SPE  
R344/D31.2 MKE

3000'

D31.2 MKE ARC  
D30.0 MKE  
5000

NAPRO EAST ARRIVAL

D25.0 MKE  
7000

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

CHE R201

045°

090°

CHITOSE NR.2 ARRIVAL

D13.0 MKE  
12000

MHA 3000  
MAX 230KIAS  
VOR/DME  
MUKAWA  
116.4 MKE  
CH-111X  
 $42^{\circ}33'18''N/141^{\circ}57'20''E$   
100FT

280°  
100°  
061°

CHE VOR/DME  
R201  
NAVER  
D35.0 CHE  
D42.0 CHE  
MHA 6000  
MAX 230KIAS

## 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(2016)



CHE\_R201  
NAVER D35.0 CHE  
MHA 6000 MAX 230KIAS  
D42.0 CHE

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

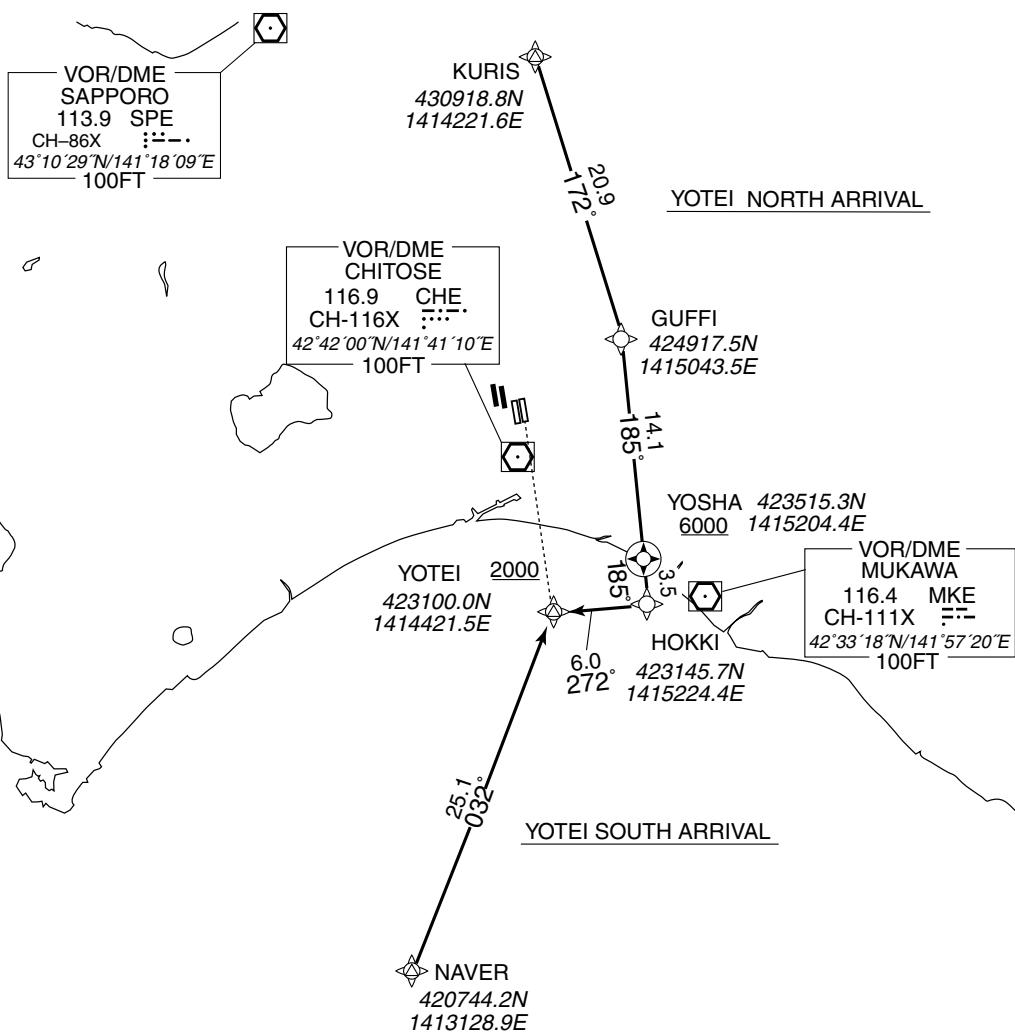
YOTEI SOUTH ARRIVAL  
YOTEI NORTH ARRIVAL

RNAV 1

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

2 ) RADAR service required.

VAR 9° W(2016)



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

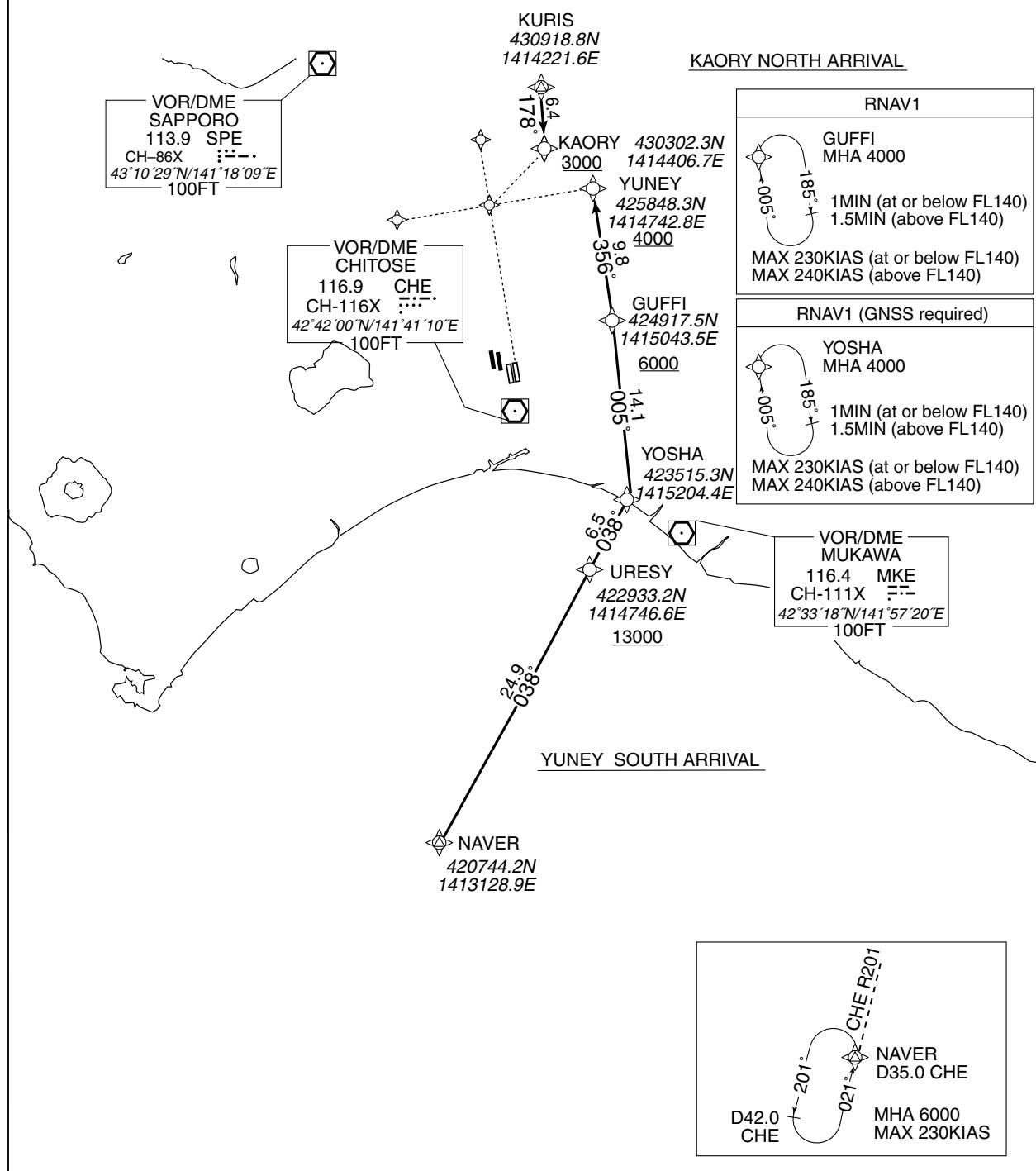
YUNNEY SOUTH ARRIVAL  
KAORY NORTH ARRIVAL

RNAV 1

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

2 ) RADAR service required.

VAR 9° W(2016)



STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

<b>YUNEY SOUTH ARRIVAL</b>																																																																																			
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																																																																								
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																																																																								
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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

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(2016)



## 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	MUKAWA (MKE)	360 (350.9)	-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 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(2016)

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

KAORY  
430302.3N  
1414406.7E  
3000  
330°  
356°  
112°  
GUFFI  
424917.5N  
1415043.5E  
6000  
500  
14.1  
YOSHA  
423515.3N  
1415204.4E  
13000  
538°  
038°  
24.9°  
NAVER ARRIVAL

**RNAV1**  
GUFFI  
MHA 4000  
185°  
005°  
1MIN (at or below FL140)  
1.5MIN (above FL140)  
MAX 230KIAS (at or below FL140)  
MAX 240KIAS (above FL140)

**RNAV1 (GNSS required)**  
YOSHA  
MHA 4000  
85°  
005°  
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

NAVER  
D35.0 CHE  
MHA 6000  
MAX 230KIAS  
CHE\_R201  
021°  
201°  
D42.0 CHE

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

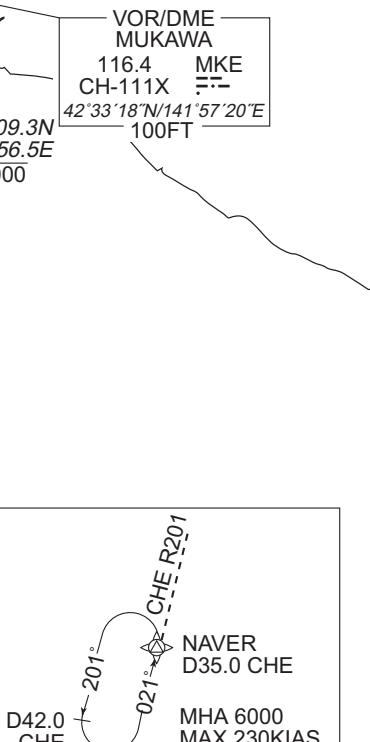
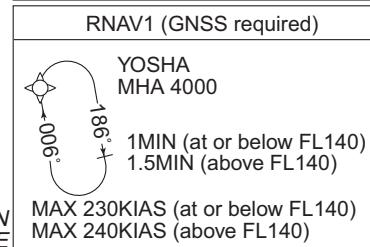
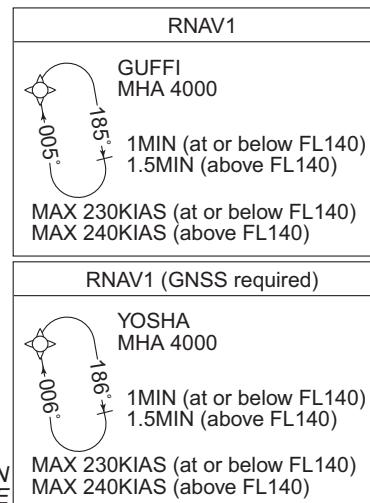
## YUNNEY EAST ARRIVAL

RNAV 1

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

2 ) RADAR service required.

VAR 10° W(2019)



CHANGE : New PROC

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(2016)



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(2016)



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	MUKAWA (MKE)	360 (350.9)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	—	-230(-14000) -240(+14001)	RNAV1

## 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.

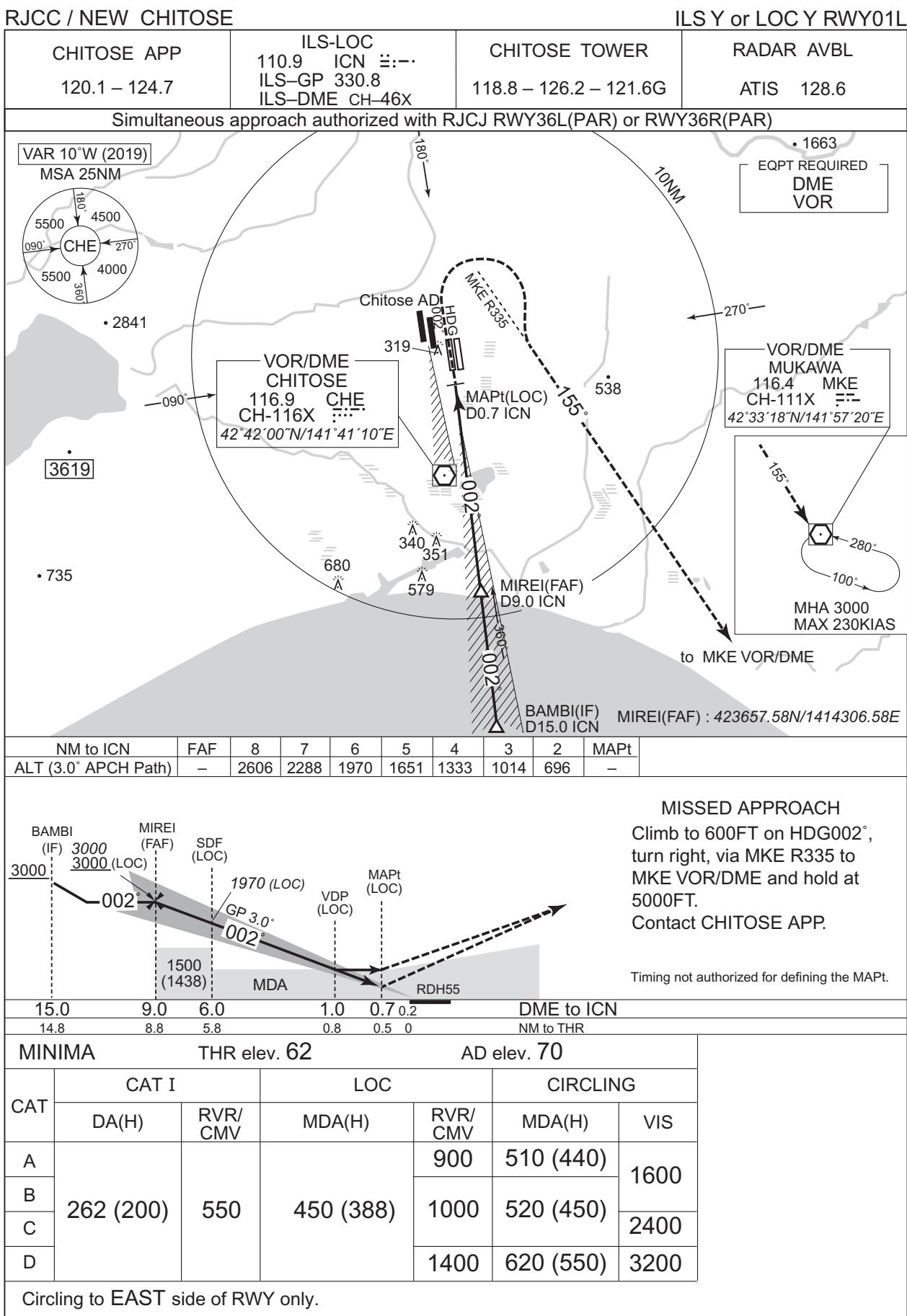
Critical DME	SPE : C9R55 - NACKS
DME GAP	CHE - 11.0NM to C9R53
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

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



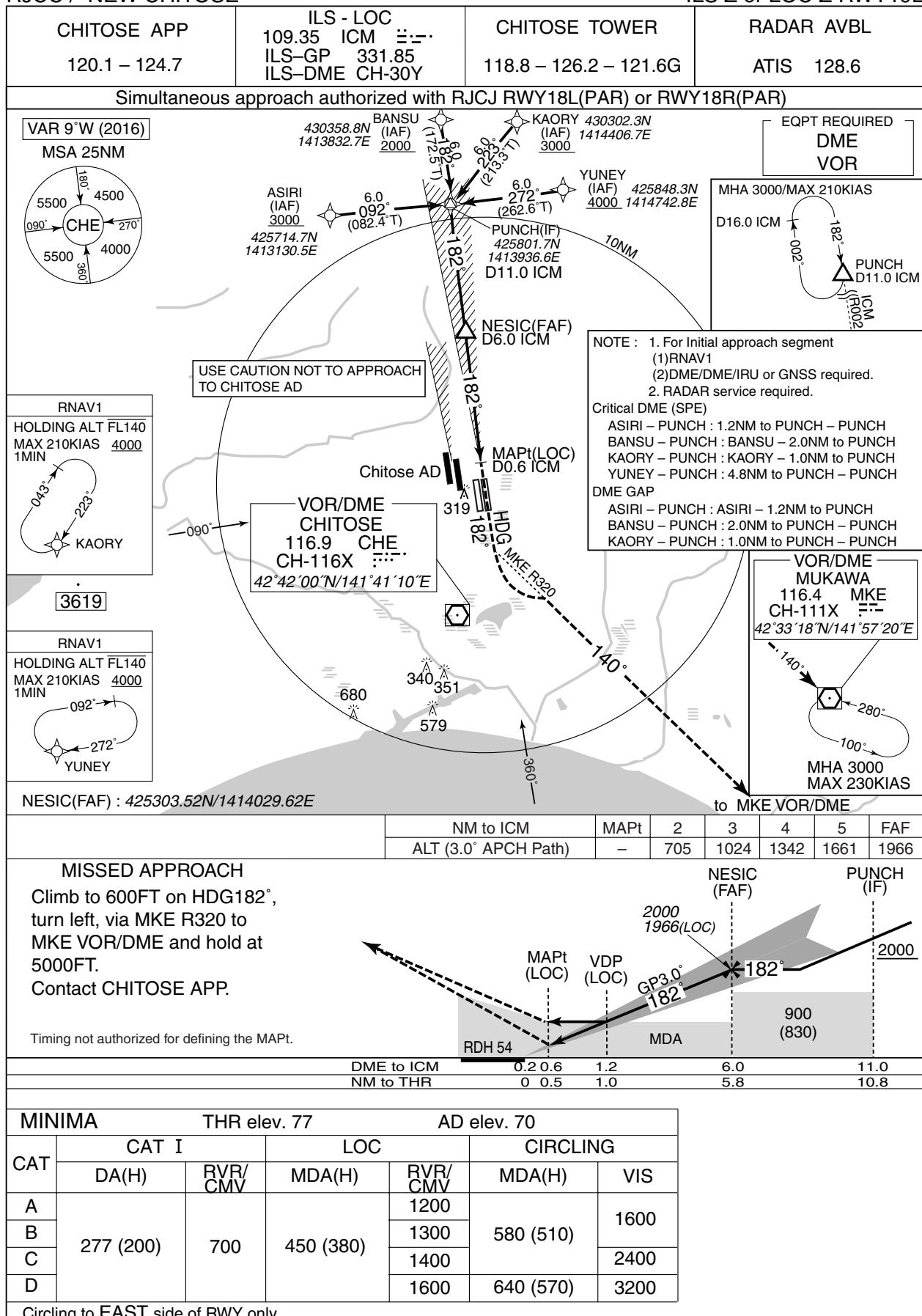
## INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

ILS Z or LOC Z RWY19L



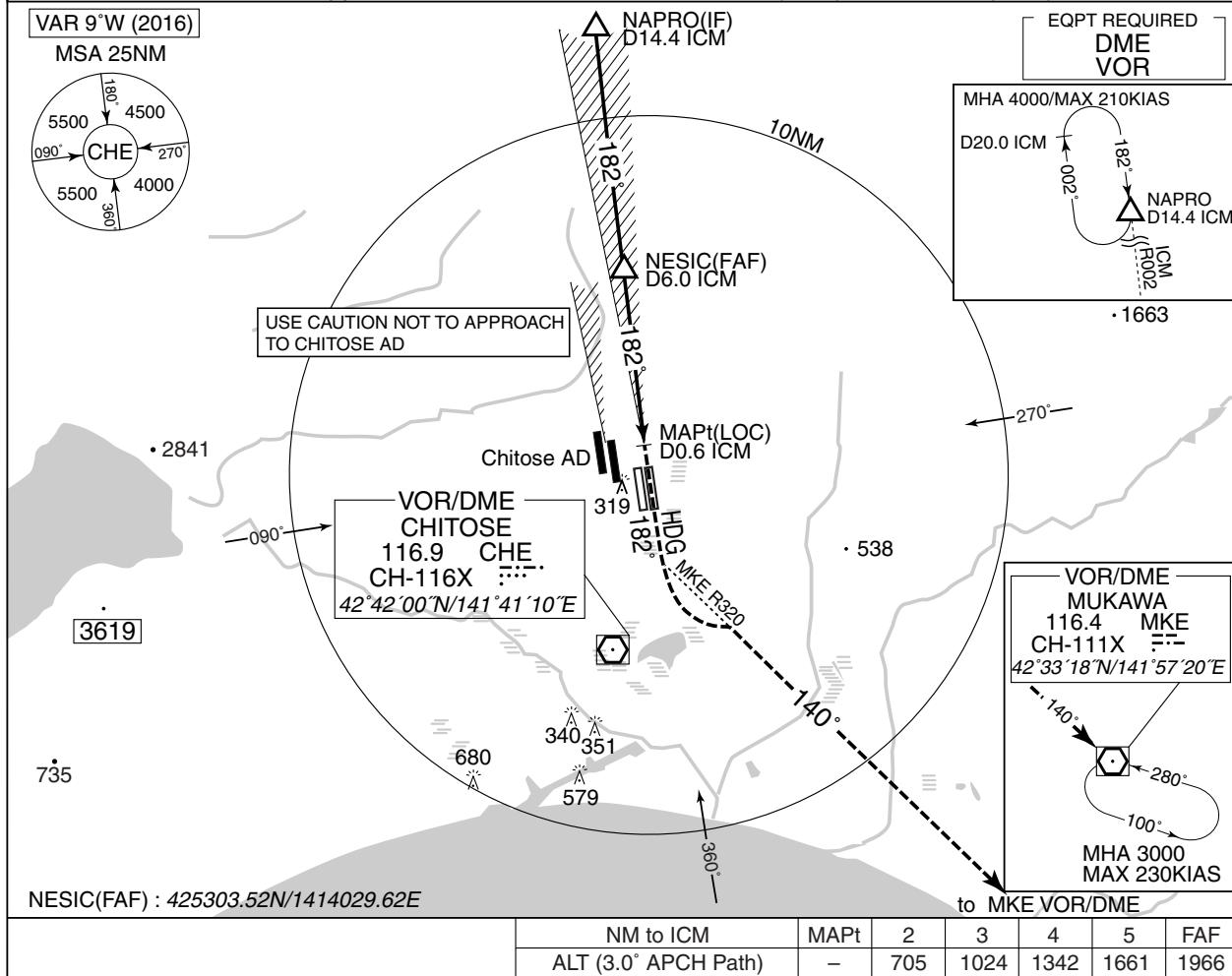
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RJCC / NEW CHITOSE

ILS Y or LOC Y RWY19L

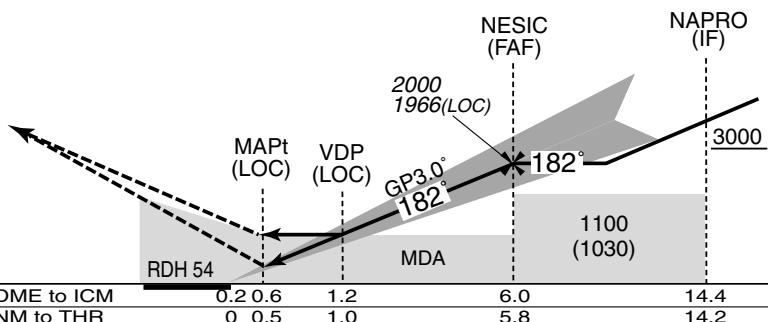
CHITOSE APP 120.1 – 124.7	ILS - LOC 109.35 ICM $\vdash \dashv$ ILS-GP 331.85 ILS-DME CH-30Y	CHITOSE TOWER 118.8 – 126.2 – 121.6G	RADAR AVBL ATIS 128.6
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Simultaneous approach authorized with RJCJ RWY18L(PAR) or RWY18R(PAR)



## MISSSED APPROACH

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



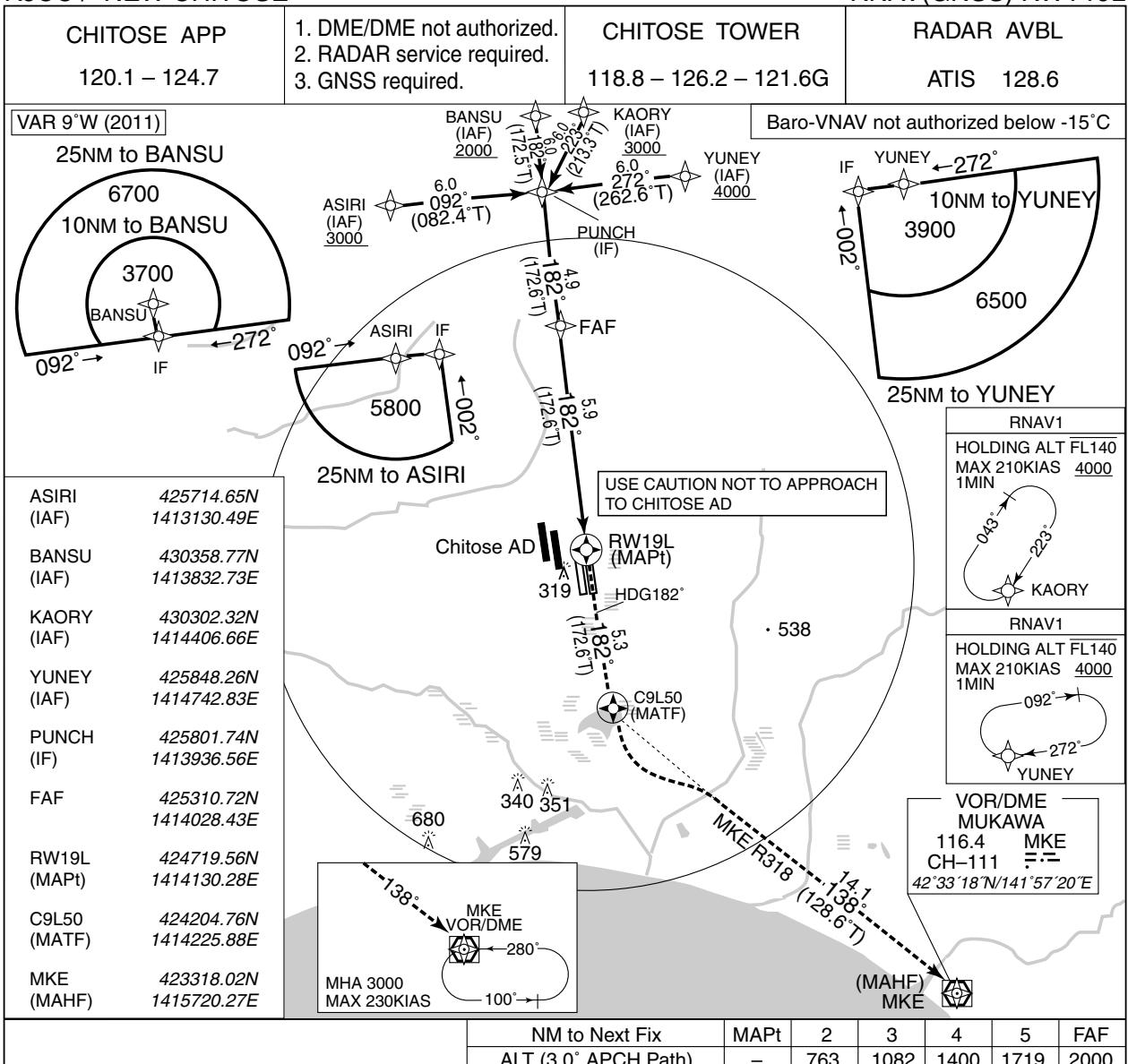
MINIMA		THR elev. 77		AD elev. 70		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A			1200		1600	
B	277 (200)	700	450 (380)	580 (510)	2400	
C			1400			
D			1600	640 (570)	3200	

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

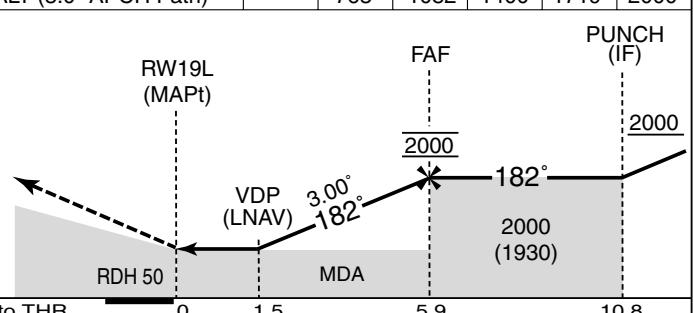
RJCC / NEW CHITOSE

RNAV(GNSS) RWY19L



MISSED APPROACH  
Climb to 3000FT to C9L50 on track 182°, turn left to MKE and hold.  
Contact CHITOSE APP.

(for using VOR/DME)  
Climb to 3000FT on HDG182° to intercept and proceed via MKE R318 to MKE VOR/DME and hold.  
Contact CHITOSE APP.



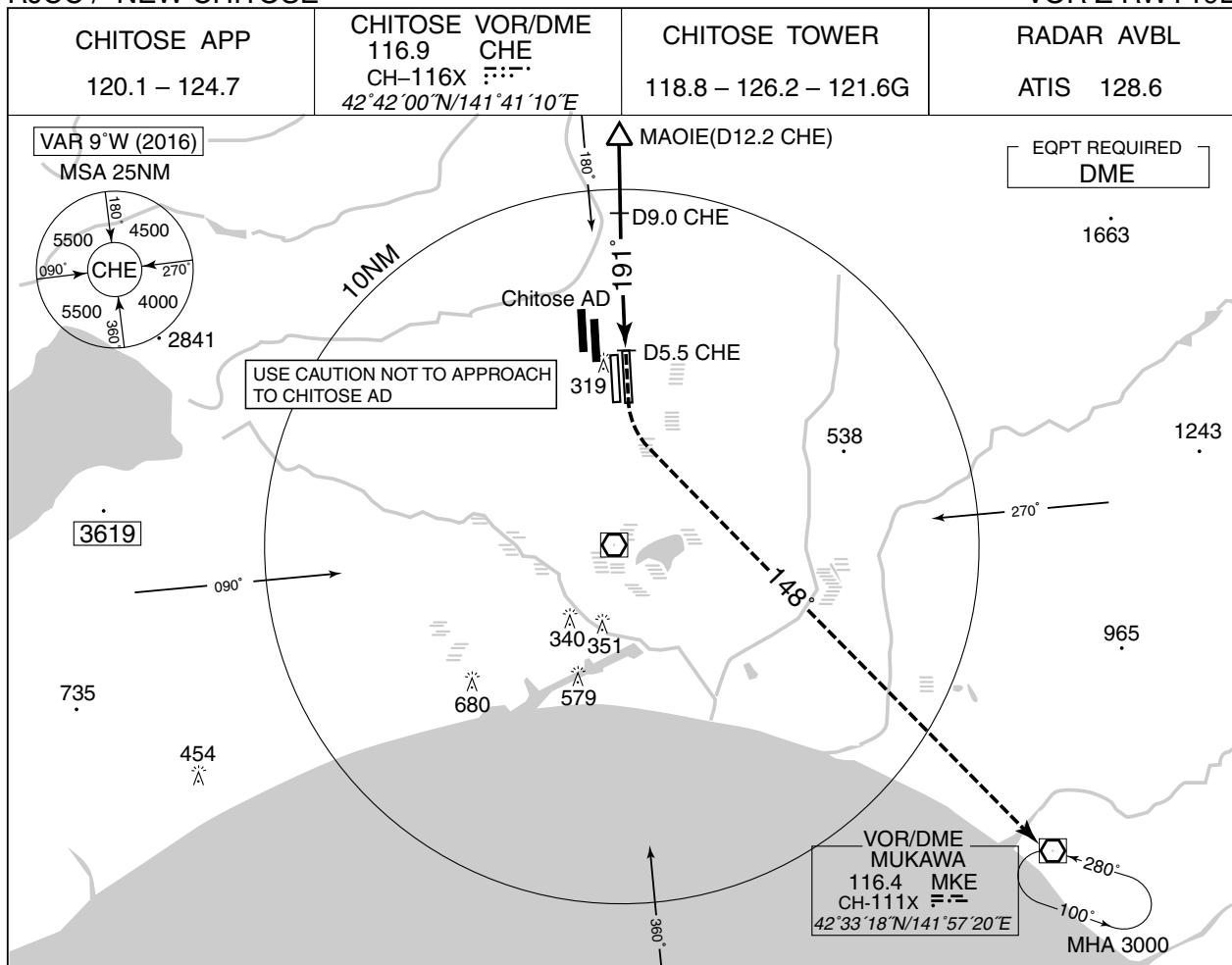
MINIMA		THR elev. 77		AD elev. 70		
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	1400		1400		1600	
B	570 (493)		570 (500)		580 (510)	
C	1500		1500		2400	
D	1600		1600			
	1800		1800	640 (570)	3200	

Circling to EAST side of RWY only.

## 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.



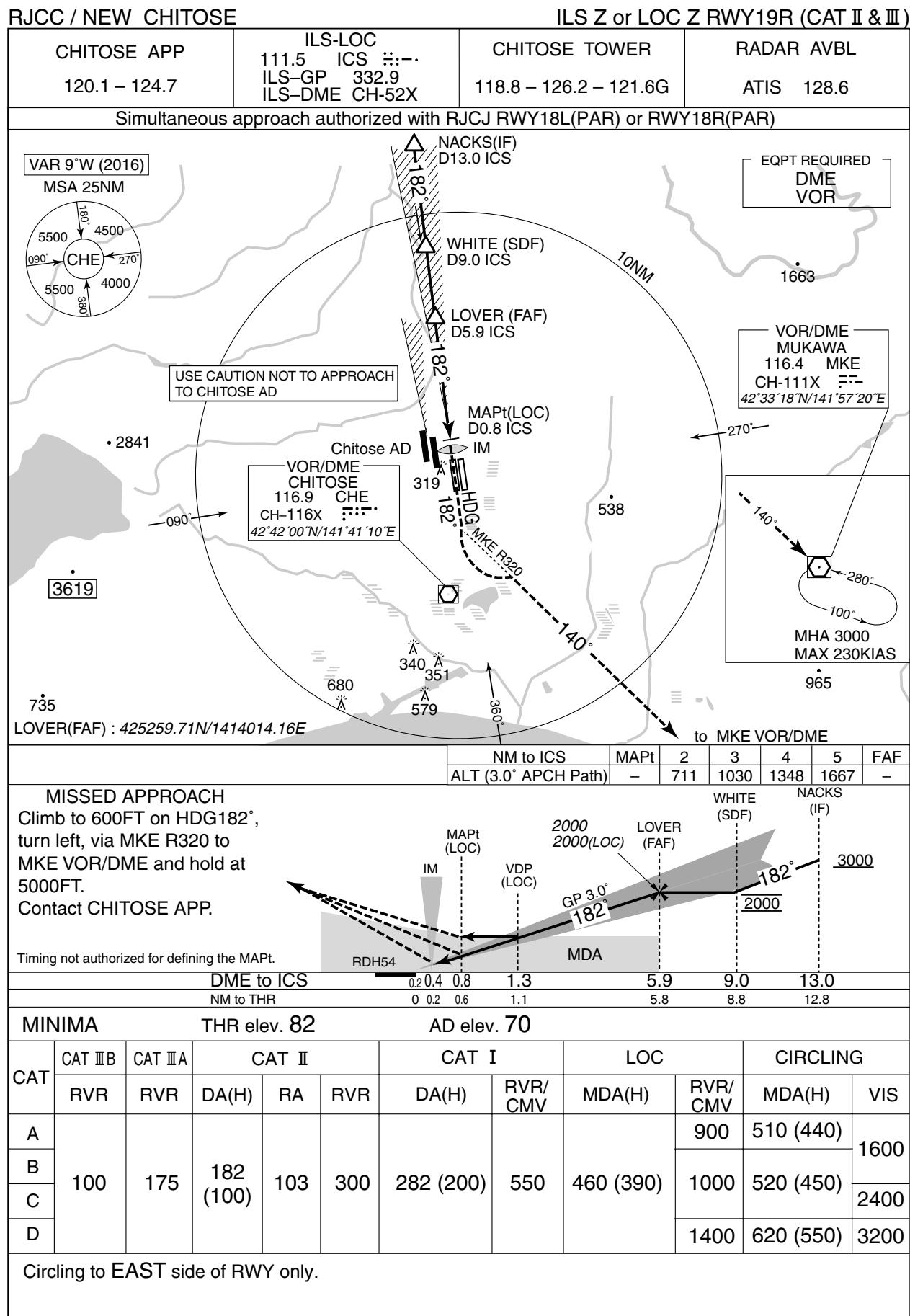
MINIMA		THR elev. 77	AD elev. 70	CIRCLING	
CAT	MDA(H)	RVR/CMV	MDA(H)	VIS	
A	1400			1600	
B	1500		620 (550)		
C	1600			2400	
D	1800	640 (570)	3200		

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART



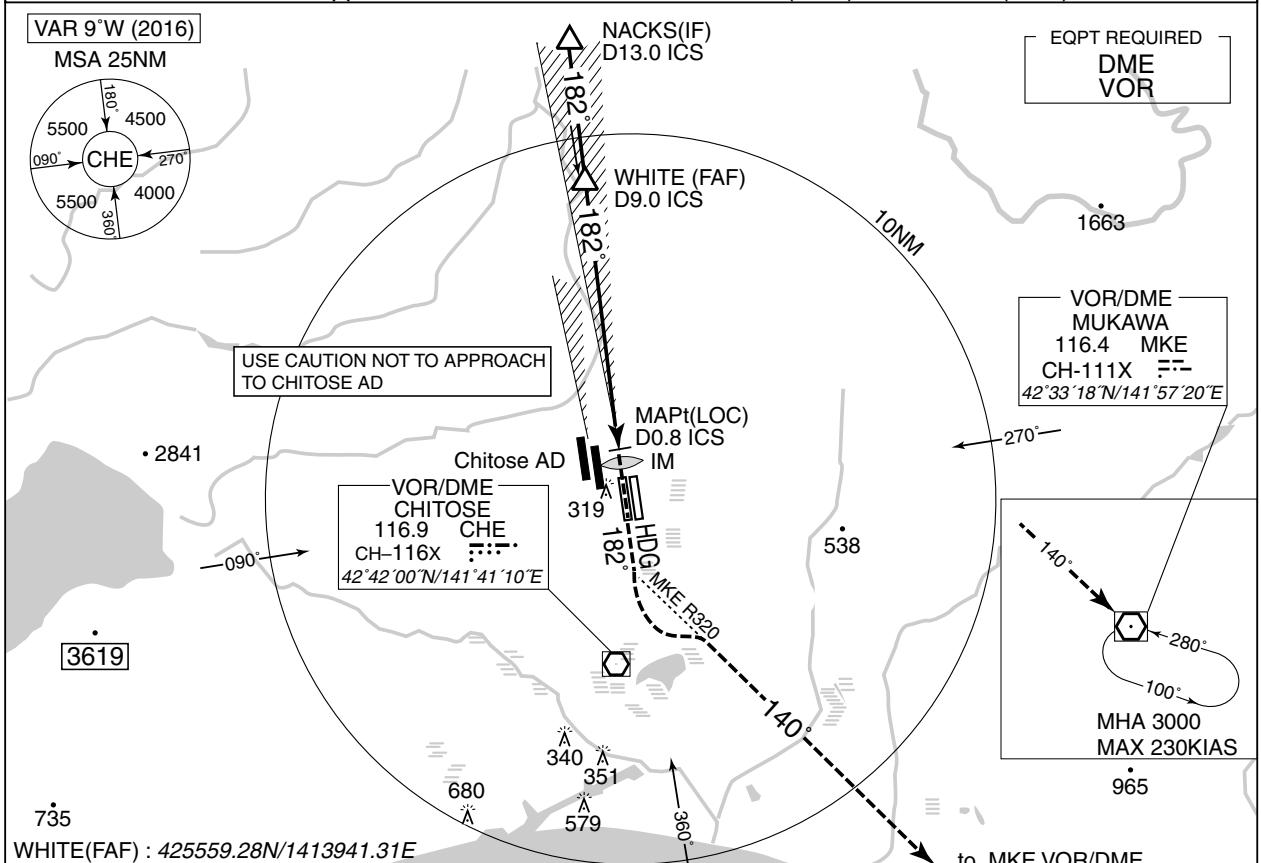
INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

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

CHITOSE APP 120.1 – 124.7	ILS-LOC 111.5 ICS $\vdash\vdash$ 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)



	NM to ICS	MAPt	2	3	4	5	FAF
			ALT (3.0° APCH Path)	711	1030	1348	1667
<b>MISSED APPROACH</b>							
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.							
DME to ICS	0.2 0.4 0.8 1.3		5.9	9.0	13.0		
NM to THR	0 0.2 0.6 1.1		5.8	8.8	12.8		

MINIMA           THR elev. 82           AD elev. 70

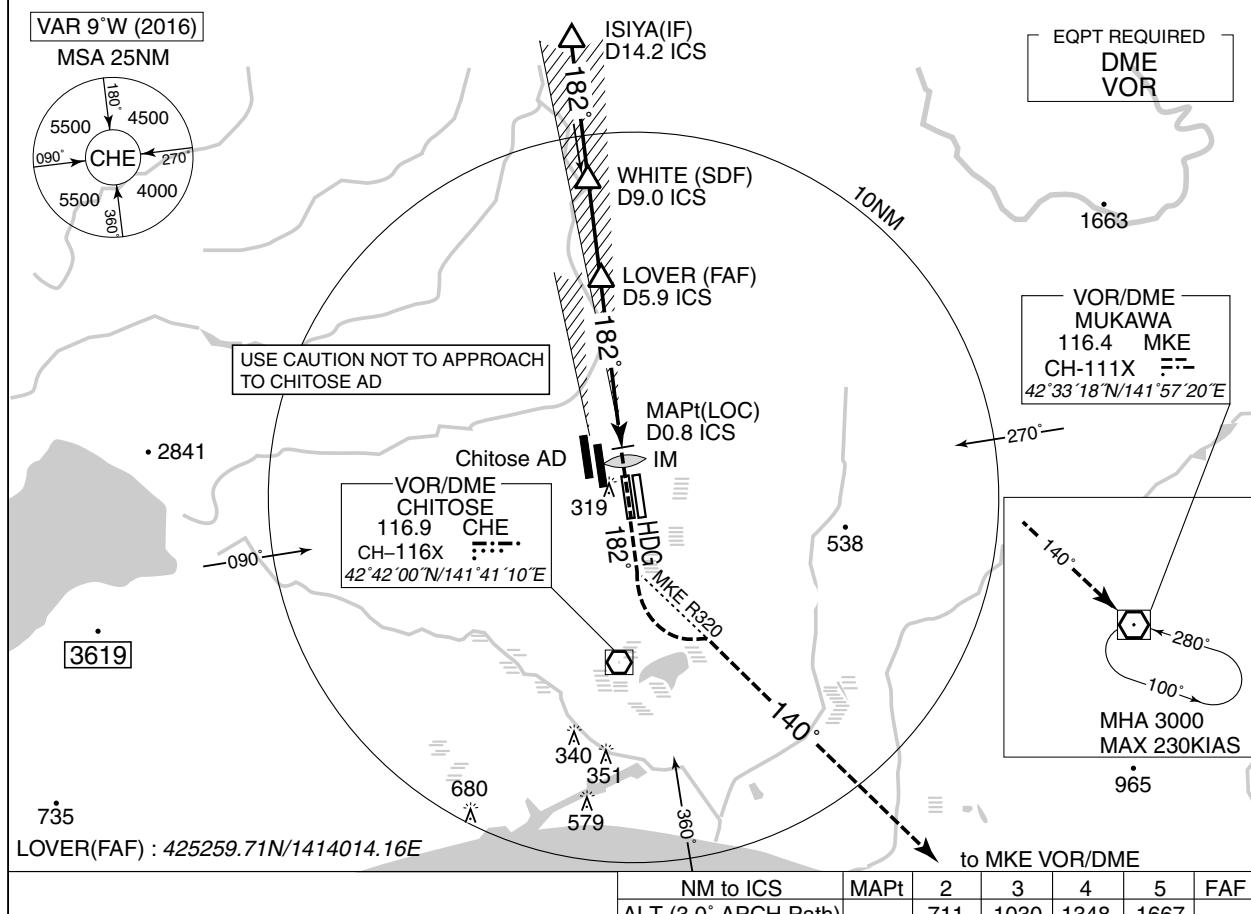
CAT	CAT IIIB	CAT IIIA	CAT II			CAT I		LOC		CIRCLING	
	RVR	RVR	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A										900	510 (440)
B	100	175	182 (100)	103	300	282 (200)	550	460 (390)			1600
C										1000	520 (450)
D										1400	620 (550)
	Circling to EAST side of RWY only.										

## INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

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

CHITOSE APP 120.1 – 124.7	ILS-LOC 111.5 ICS $\vdash\vdash$ ILS-GP 332.9 ILS-DME CH-52X	CHITOSE TOWER 118.8 – 126.2 – 121.6G	RADAR AVBL ATIS 128.6
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.

DME to ICS	0.2	0.4	0.8	1.3	5.9	9.0	14.2
NM to THR	0	0.2	0.6	1.1	5.8	8.8	14.0

## MINIMA

THR elev. 82

AD elev. 70

CAT	CAT III B	CAT III A	CAT II		CAT I		LOC		CIRCLING		
	RVR	RVR	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A								900	510 (440)		1600
B											
C											2400
D											3200
Circling to EAST side of RWY only.											

INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

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



## INSTRUMENT APPROACH CHART

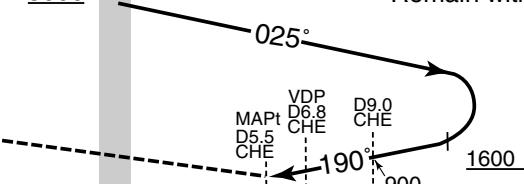


## MISSED APPROACH

Turn left, climb via MKE R328 to 5000FT, proceed to MKE VOR/DME and hold. Contact CHITOSE APP.

CHE  
5000

Remain within CHE 14.0DME



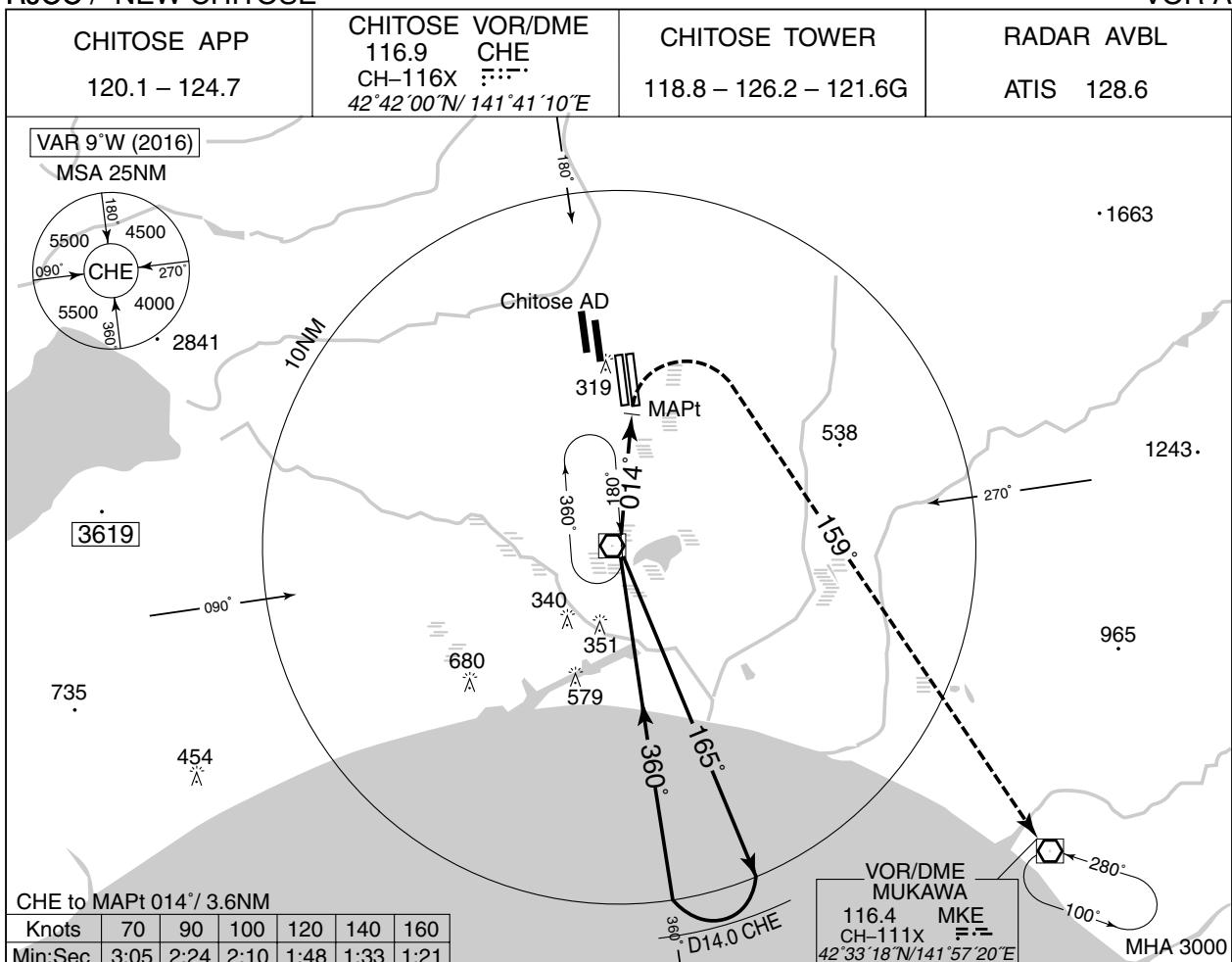
MINIMA		THR elev. 82	AD elev. 70	CIRCLING	
CAT	MDA(H)	RVR/ CMV	MDA(H)	VIS	
				1600	
A	1000			1600	
B	620 (550)		620 (550)	2400	
C	1200			3200	
D	1600		640 (570)		

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

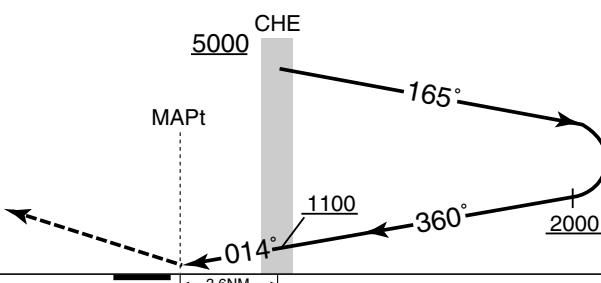
VOR A



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		1600
B	580 (510)	
C		2400
D	640 (570)	3200

Circling to EAST side of RWY only.



RJCC / NEW CHITOSE

Minimum Vectoring Altitude CHART

VAR 9°W (2006)



Each distances as follows,

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

CENTER : 424740N/1413959E (RJCJ ARP)