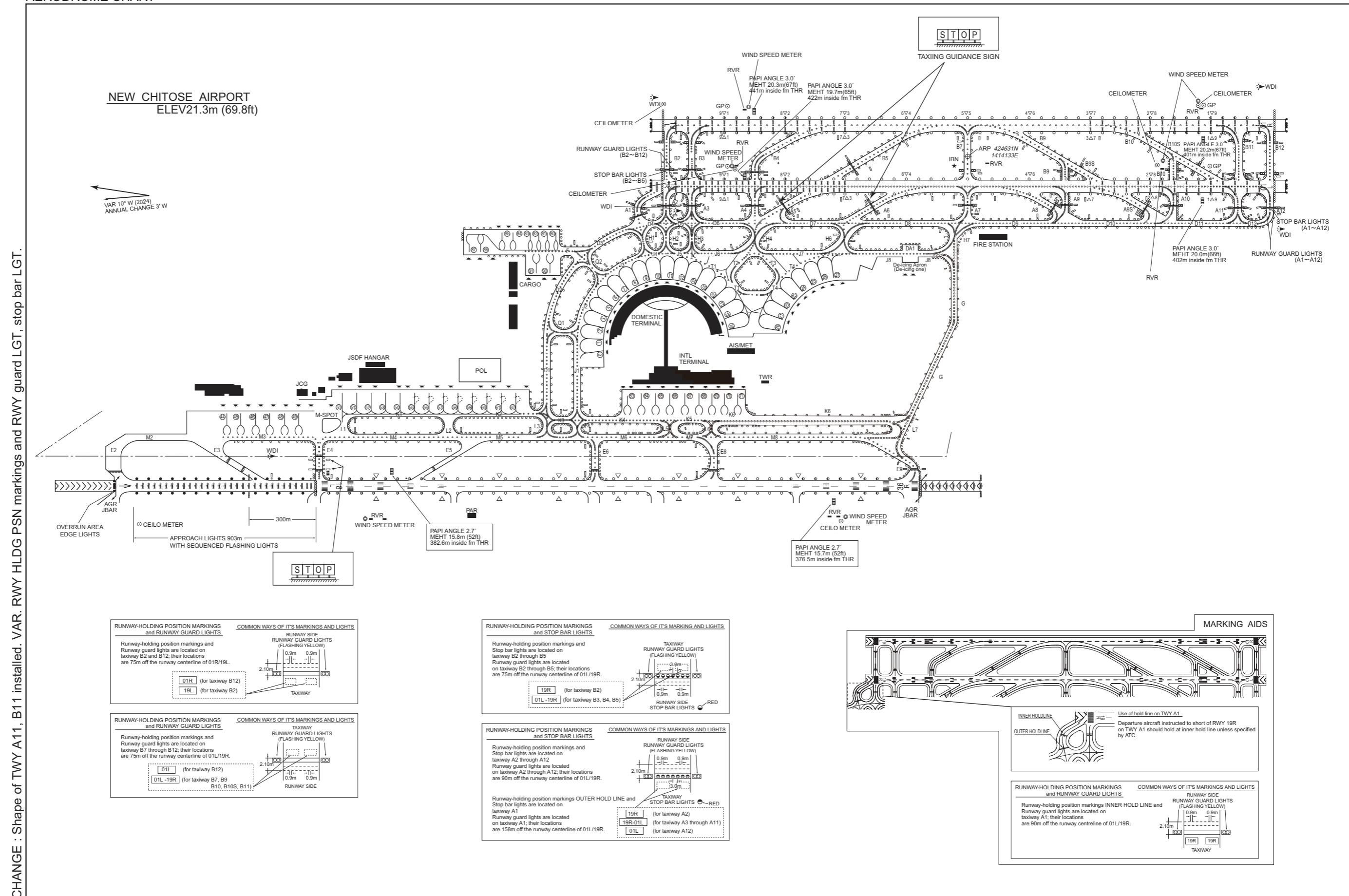
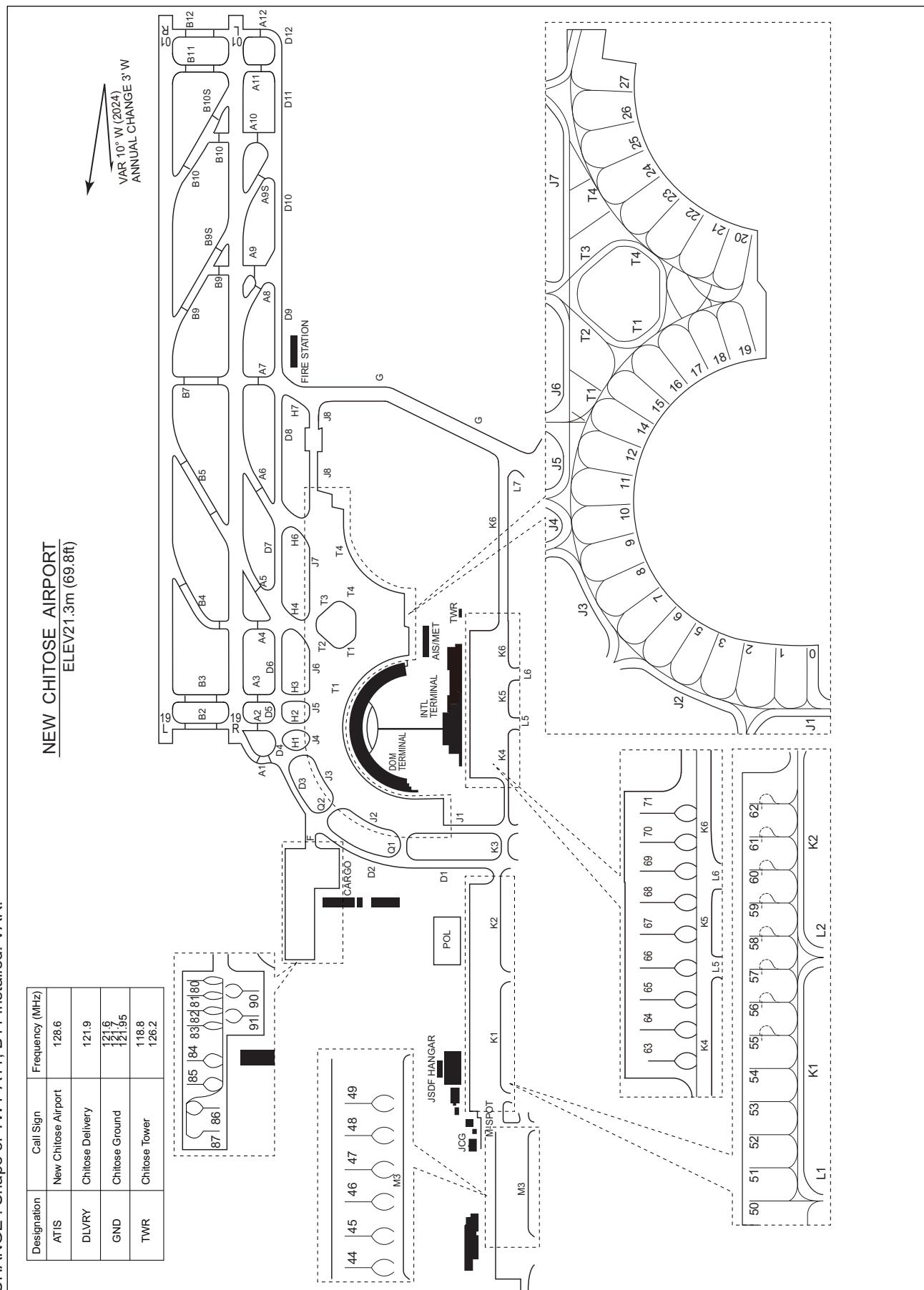


AERODROME CHART



RJCC / NEW CHITOSE

AD CHART



**INTENTIONALLY LEFT BLANK**

AERODROME OBSTACLE CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 9°33' W-APR 2020

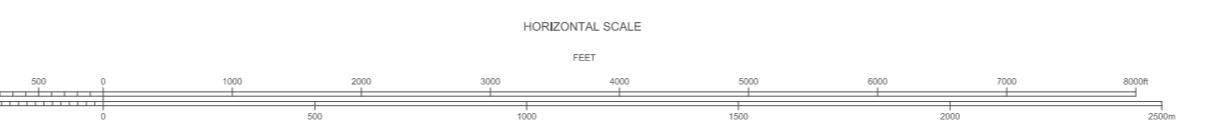
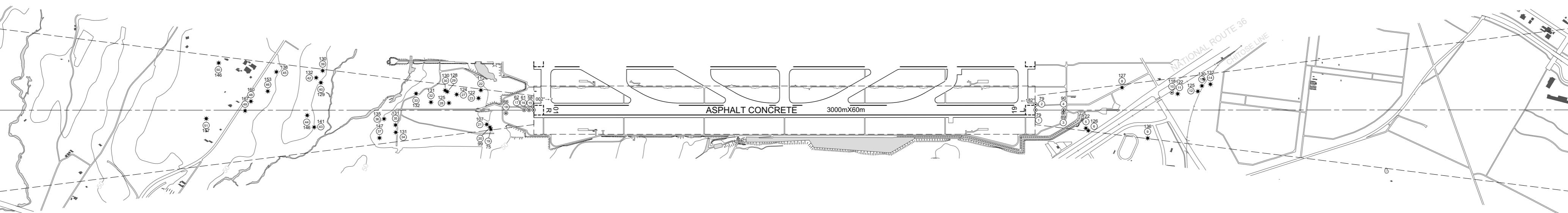
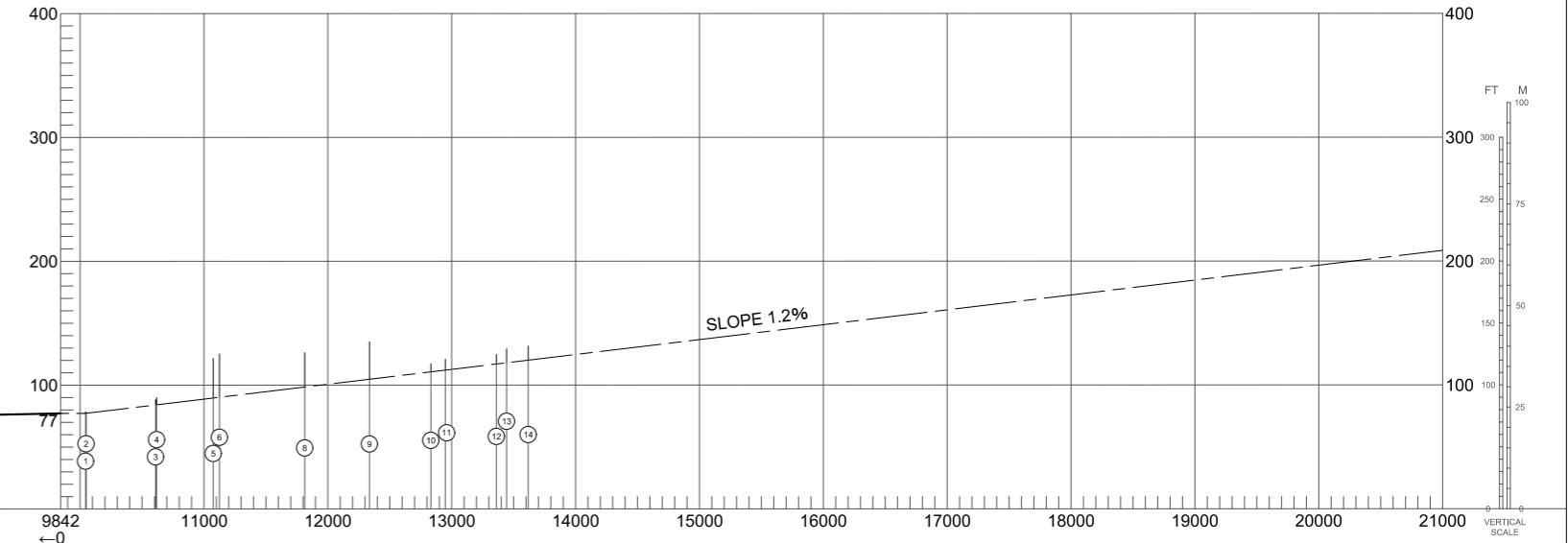
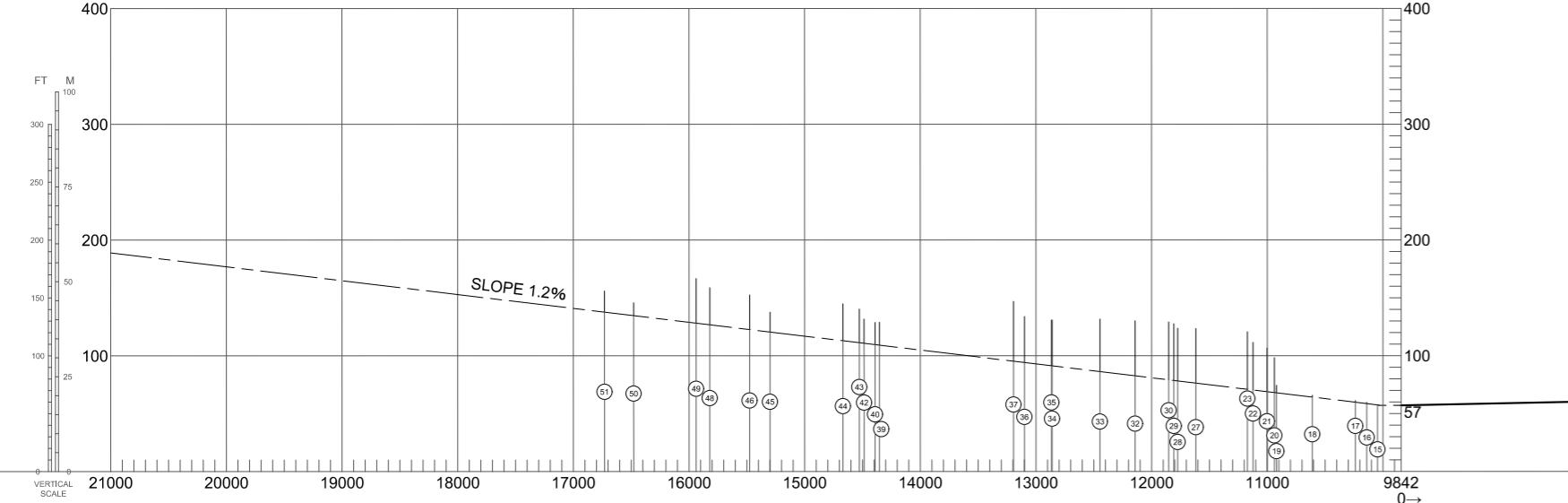


CHANGE:Update

# ERODROME OBSTACLE CHART-ICAO TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

## MAGNETIC VARIATION 9°33' W-APR 2020



| 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                               |                  |                     |  |
| *      | TREE                                |                  |                     |  |
| ○      | LAKE                                |                  |                     |  |
|        | RIVER                               |                  |                     |  |
|        | CONTOURS(R)                         |                  |                     |  |

CHANGE:Update

# AERODROME OBSTACLE CHART-ICAO TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

AERODROME ELEVATION 69.8ft ARP

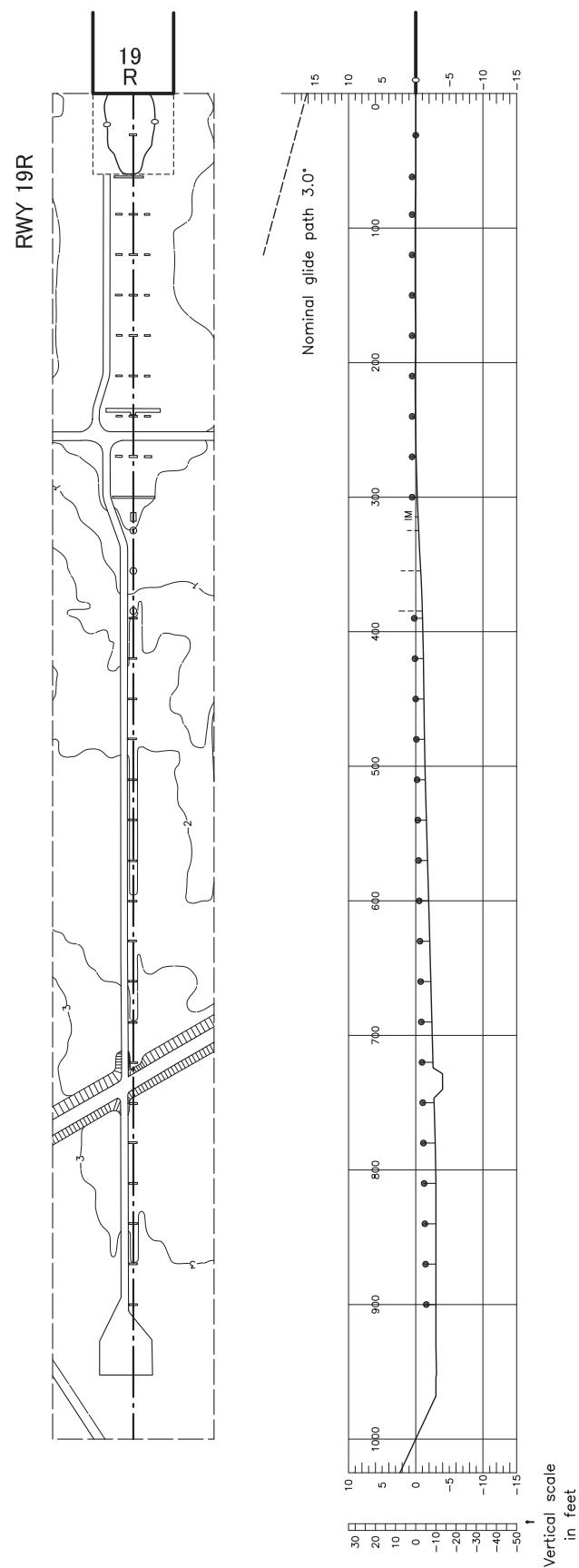


CHANGE:Update

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

STANDARD DEPARTURE CHART-INSTRUMENT

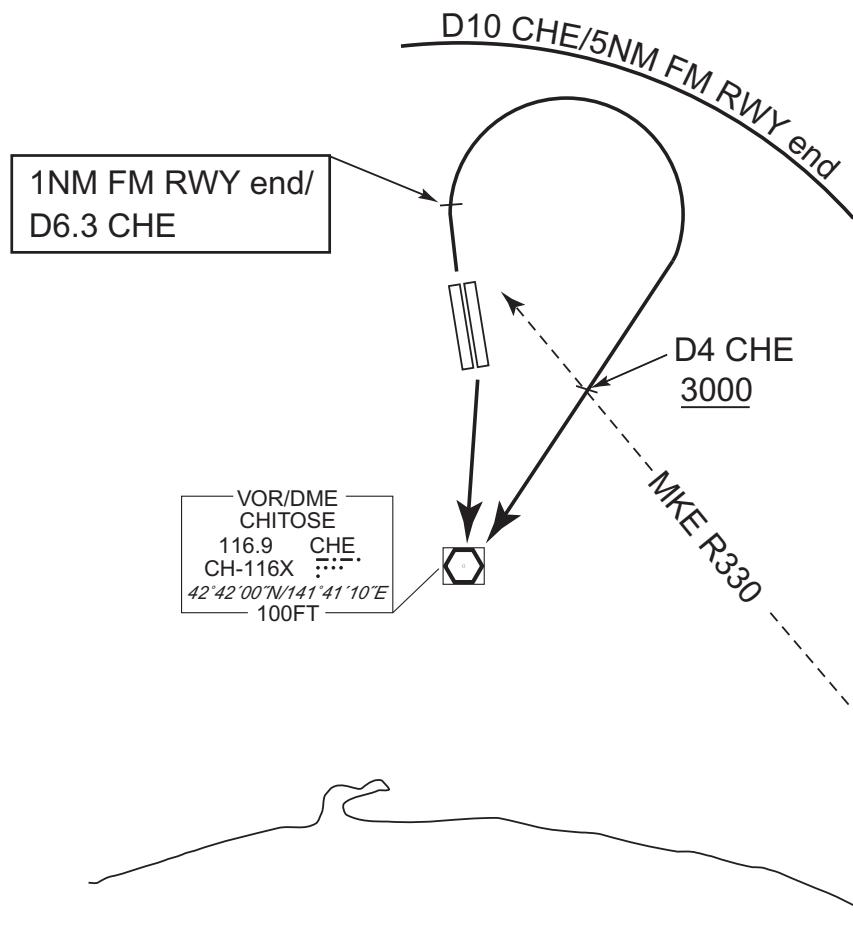
RJCC / NEW CHITOSE

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

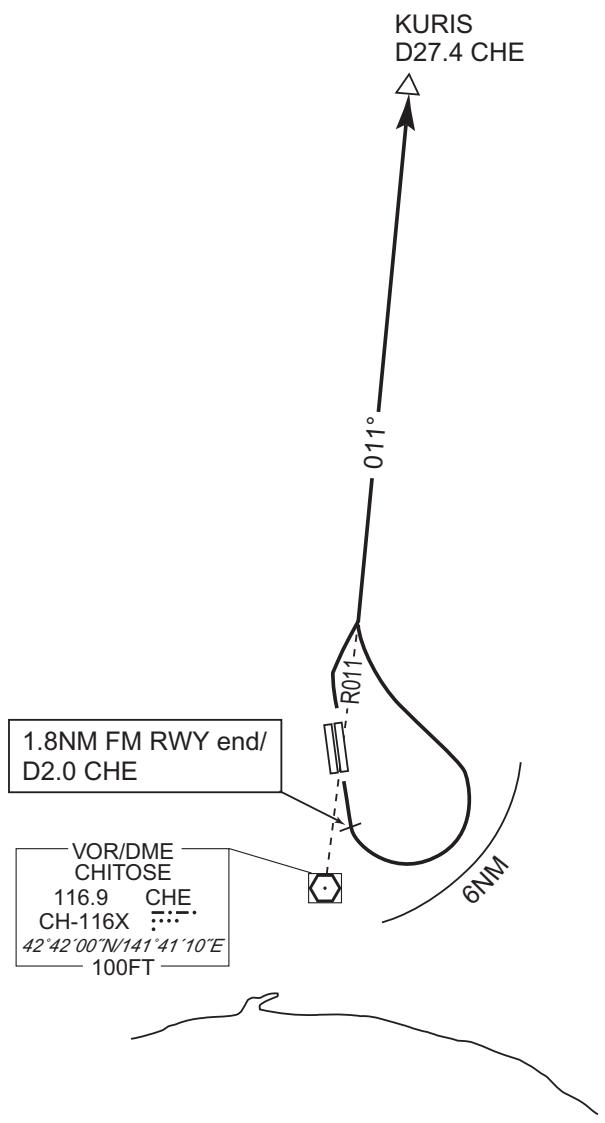
SID

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...

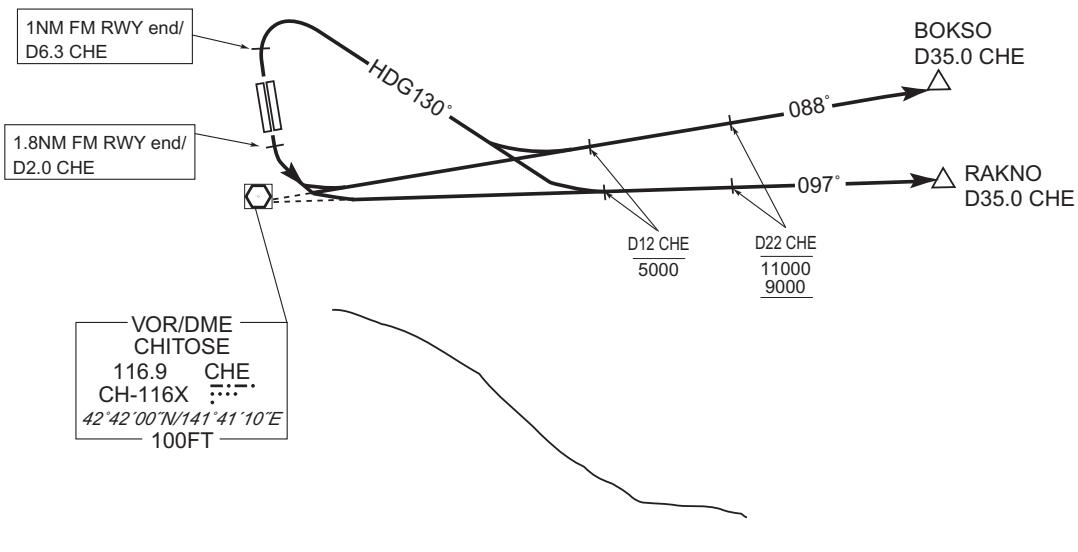
RWY 19R/19L: Climb RWY HDG until 1.8NM FM RWY end/CHE 2.0DME, turn left, via...

...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

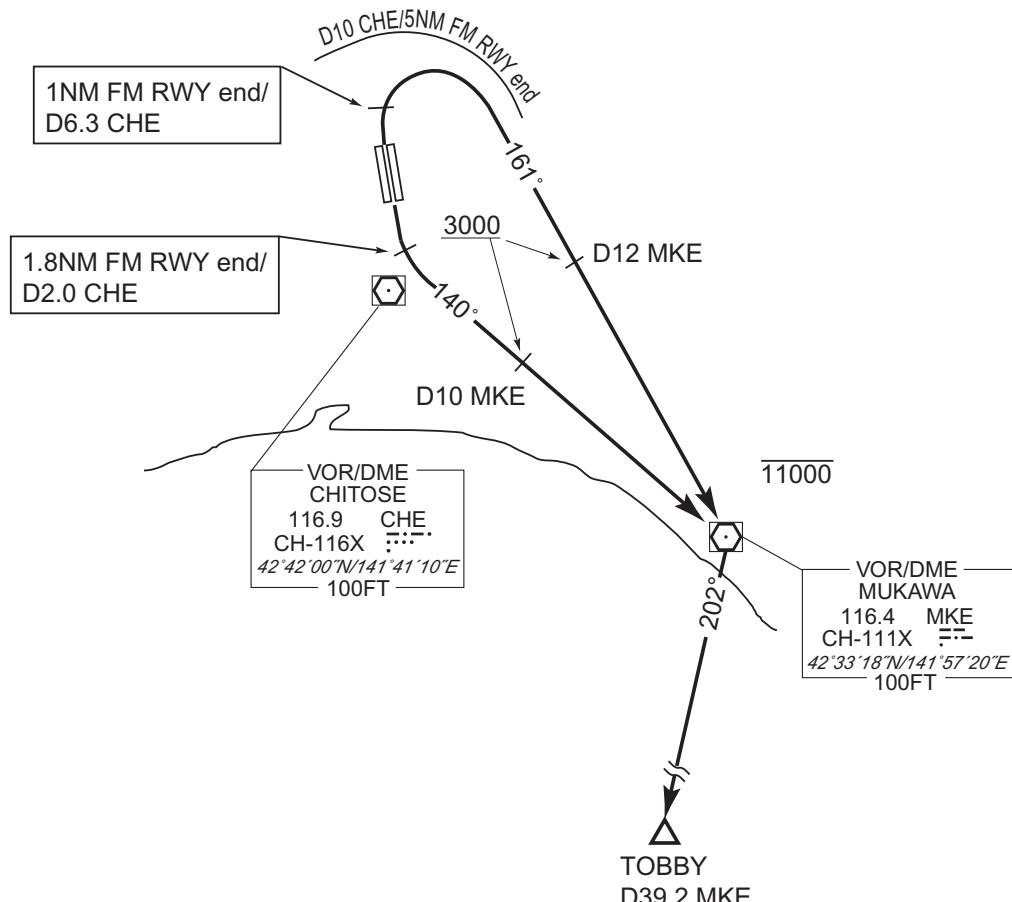
RWY01L/01R: Climb RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right within CHE 10DME(5NM from RWY end), via MKE R341 to MKE VOR/DME, via MKE R202 to TOBBY.

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

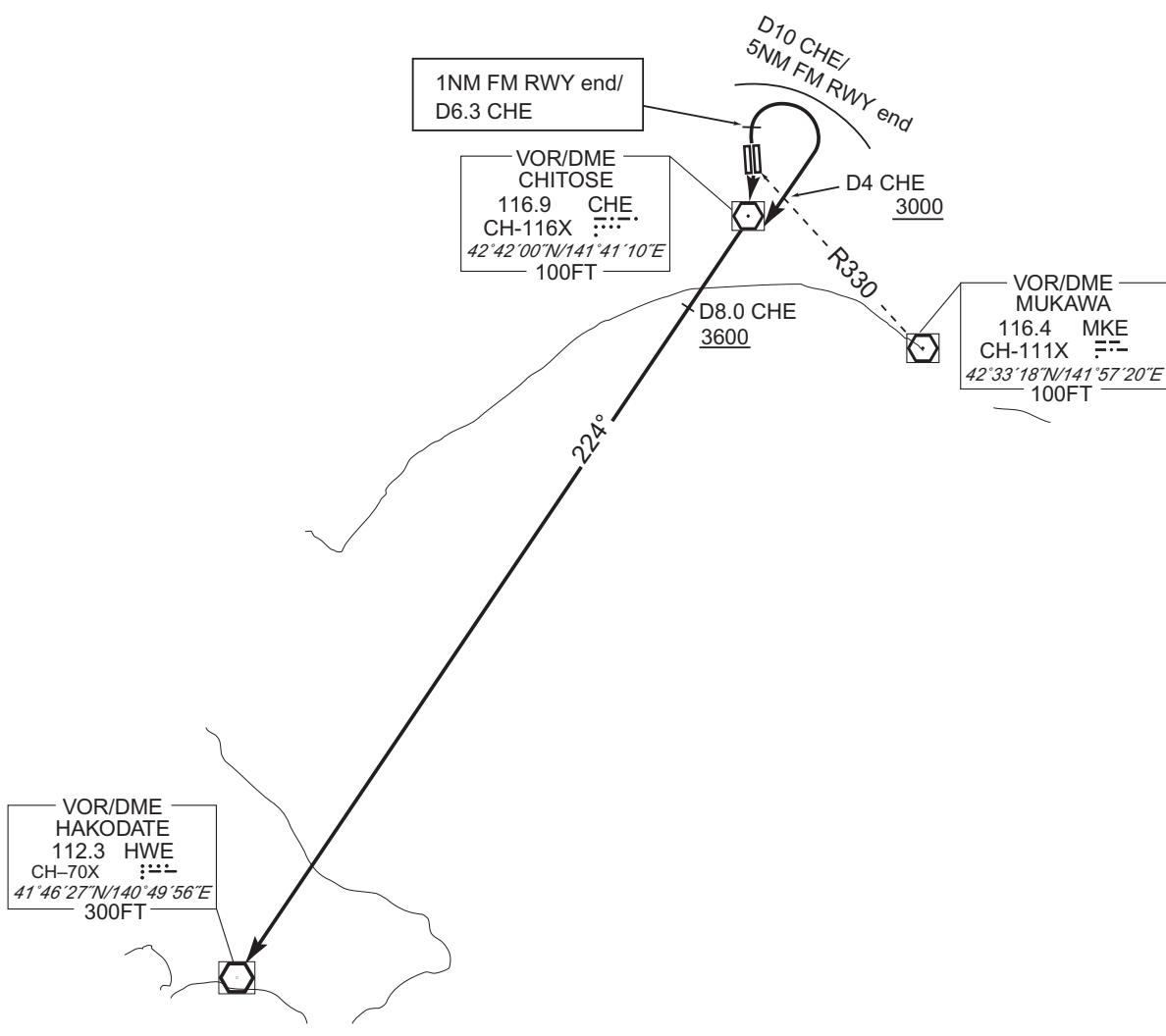
RWY01L/01R: Climb via RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right, direct to CHE VOR/DME within CHE 10DME (5NM FM RWY end), via CHE R224 to HWE VOR/DME.

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

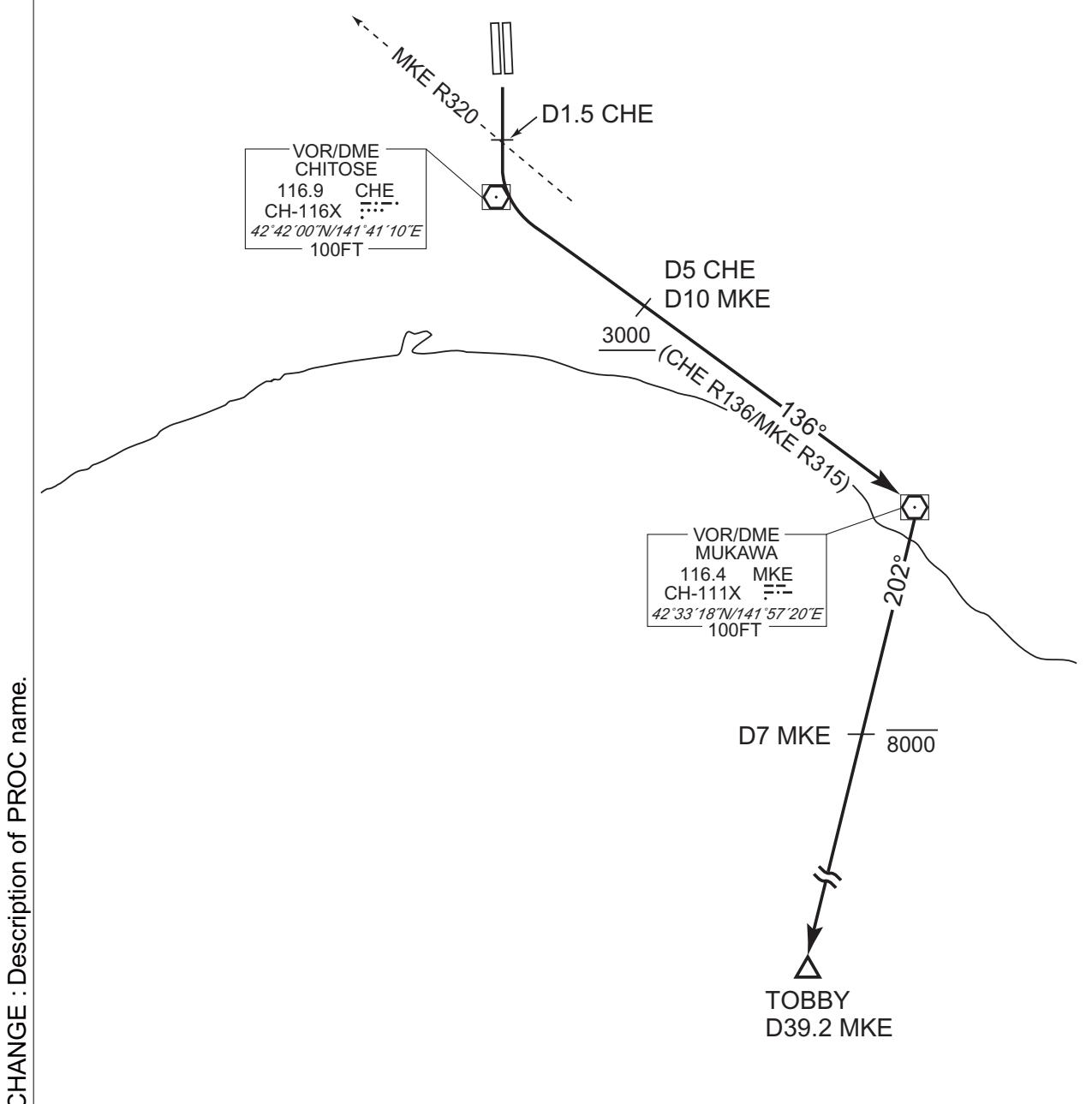
SID

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.



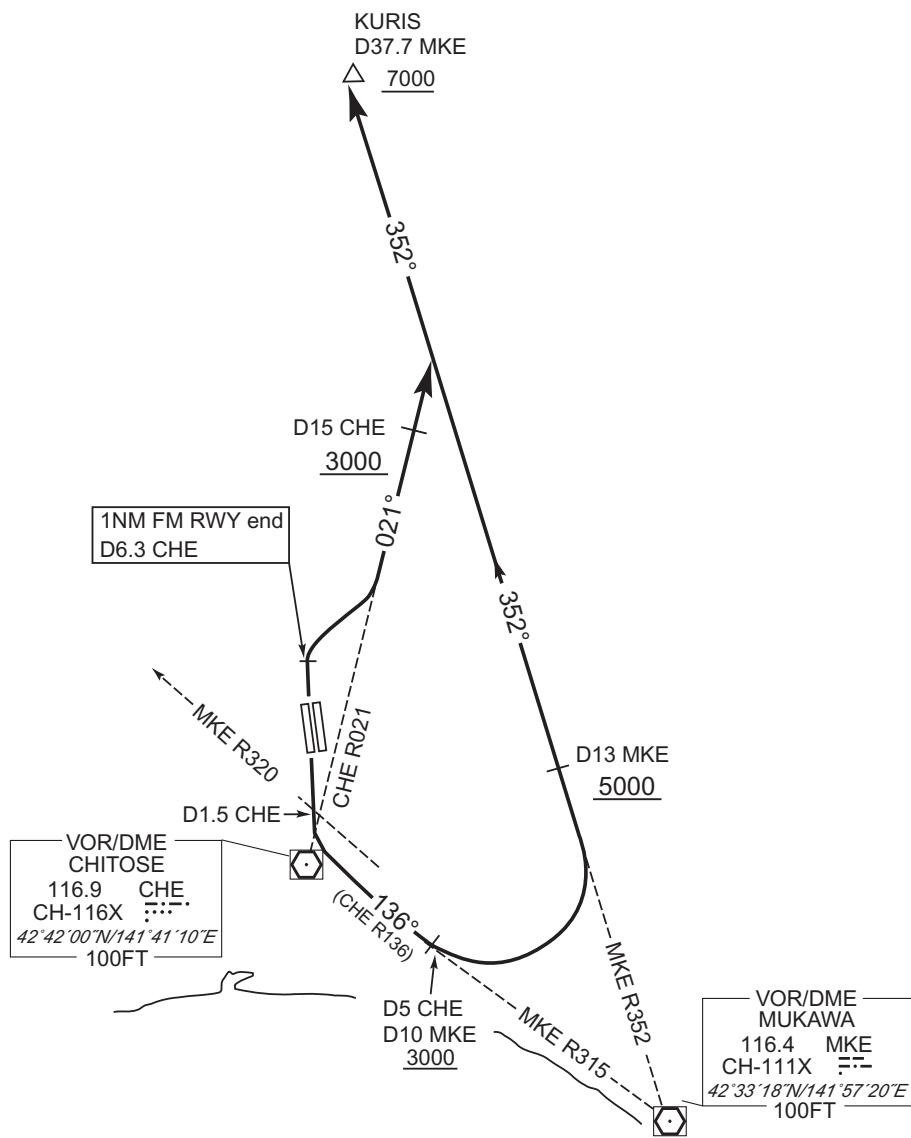
## STANDARD DEPARTURE CHART-INSTRUMENT

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.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

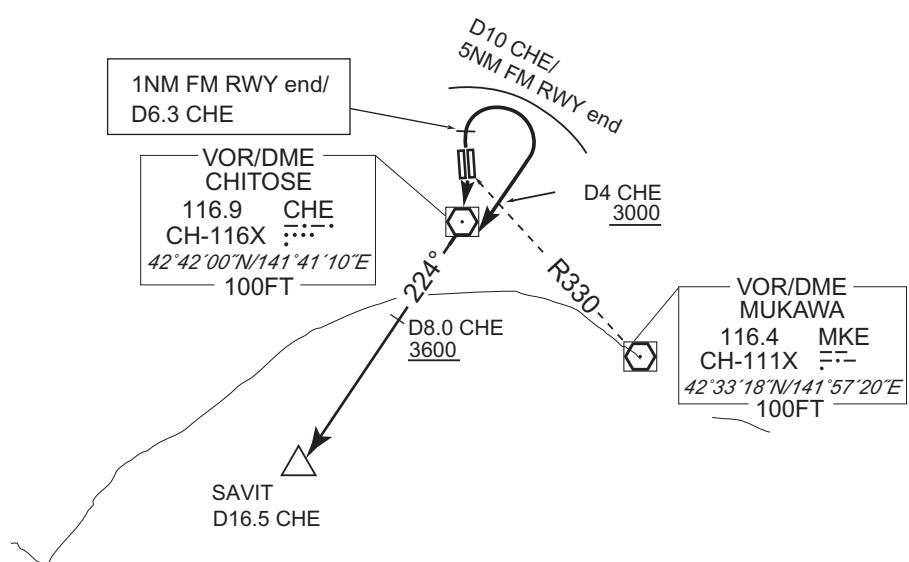
SAVIT TWO DEPARTURE

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.



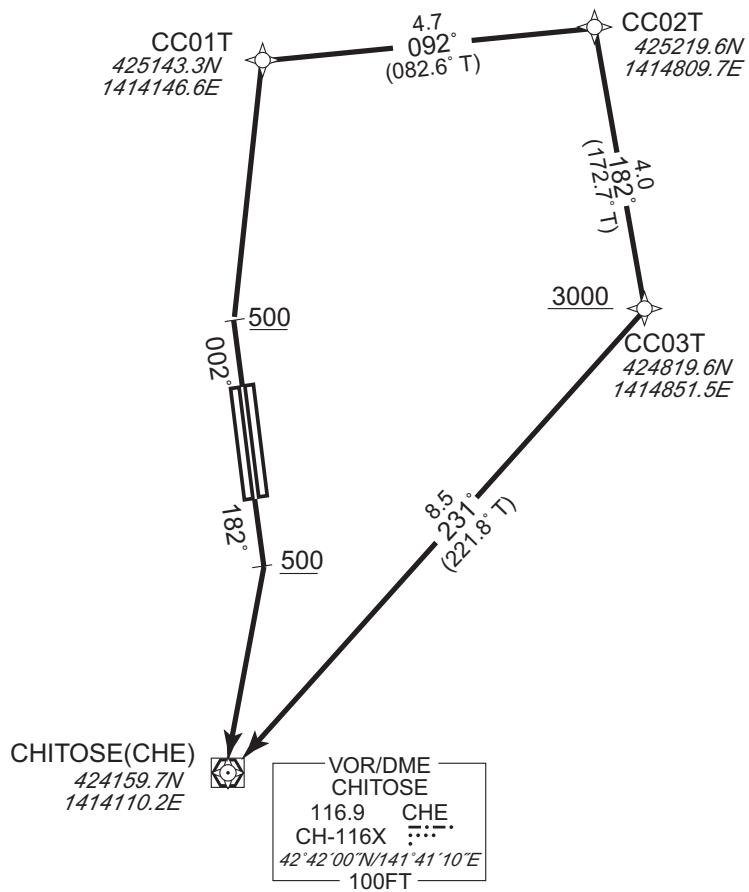
## STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

| SOSHU ONE DEPARTURE  |                       | RNAV1   |
|--|-----------------------|---|
| Note 1 ) DME/DME/IRU or GNSS required.<br>※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<br>CHE : 2.0NM FM DER – 2.0NM to CC01T                               |
| 2 ) RADAR service required.  | DME GAP               | RWY01L/01R : DER – 2.0NM FM DER<br>3.0NM to CHE – CHE<br>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<br>(352.6)  | -9.1               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | CC01T               | —        | —               | -9.1               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | CC02T               | —        | 092<br>(082.6)  | -9.1               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | CC03T               | —        | 182<br>(172.7)  | -9.1               | 4.0           | —              | +3000         | —            | —              | RNAV1                    |
| 005           | TF              | CHE                 | —        | 231<br>(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<br>(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.<br>※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.<br>2 ) RADAR service required. | Critical DME          | RWY01L/01R<br>CHE : 2.0NM FM DER – 2.0NM to CC01T<br>MKE : CHE – 18.0NM to REZOT<br>ZYT : CHE – 18.0NM to REZOT<br>RWY19L/19R<br>MKE : 3.0NM to CC06T – 16.0NM to REZOT<br>7.0NM to REZOT – REZOT<br>ZYT : 3.0NM to CC06T – 1.0NM to CC06T<br>7.0NM to REZOT – REZOT<br>RWY01L/01R, RWY19L/19R<br>SPE : 4.0NM to TEKKO – TEKKO |
| DME GAP<br>RWY01L/01R :<br>DER – 2.0NM FM DER, 3.0NM to CHE – CHE<br>RWY19L/19R :<br>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<br>(352.6)  | -9.3               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | CC01T               | —        | —               | -9.3               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | CC02T               | —        | 092<br>(082.6)  | -9.3               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | CC03T               | —        | 182<br>(172.7)  | -9.3               | 4.0           | —              | +3000         | —            | —              | RNAV1                    |
| 005           | TF              | CHE                 | —        | 231<br>(221.8)  | -9.3               | 8.5           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | REZOT               | —        | 256<br>(246.4)  | -9.3               | 20.0          | —              | —             | —            | —              | RNAV1                    |
| 007           | TF              | TEKKO               | —        | 256<br>(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<br>(172.6)  | -9.3               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | CC06T               | —        | —               | -9.3               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | REZOT               | —        | 269<br>(259.9)  | -9.3               | 20.1          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | TEKKO               | —        | 256<br>(246.2)  | -9.3               | 9.5           | —              | +11000        | —            | —              | RNAV1                    |

CHANGE : Waypoint identifier(CHE).

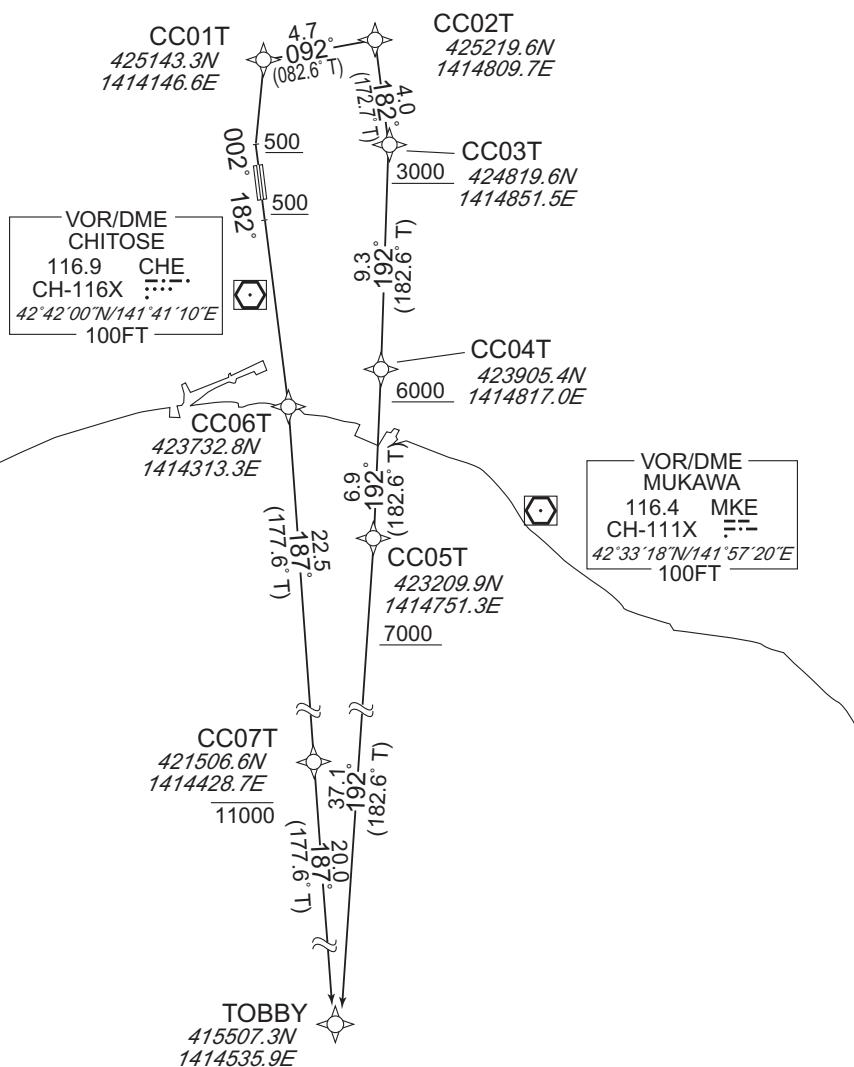
## **STANDARD DEPARTURE CHART -INSTRUMENT**

RJCC / NEW CHITOSE

## RNAV SID

| JUGGLAR ONE DEPARTURE   |  |   | RNAV1  |
|---|--|---|--|
| Note 1 ) DME/DME/IRU or GNSS required.<br>※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.<br>2 ) RADAR service required. |  | RWY01L/01R<br>CHE : 2.0NM FM DER – 2.0NM to CC01T<br>3.0NM to CC04T – CC04T<br>MKE : 4.0NM to CC05T – 23.0NM to TOBBY<br>12.0NM to TOBBY – 4.0NM to TOBBY<br>SPE : 18.0NM to TOBBY – 4.0NM to TOBBY |  |
| DME GAP   | RWY01L/01R : DER – 2.0NM FM DER<br>CC04T – 4.0NM to CC05T<br>4.0NM to TOBBY – TOBBY<br><br>RWY19L/19R : DER – 3.0NM to CC06T<br>3.0NM to TOBBY – TOBBY | Critical DME  | RWY19L/19R<br>MKE : 3.0NM to CC06T – 3.0NM to TOBBY<br>ZYT : 3.0NM to CC06T – 1.0NM to CC06T<br>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<br>(352.6)  | -9.1               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | CC01T               | —        | —               | -9.1               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | CC02T               | —        | 092<br>(082.6)  | -9.1               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | CC03T               | —        | 182<br>(172.7)  | -9.1               | 4.0           | —              | +3000         | —            | —              | RNAV1                    |
| 005           | TF              | CC04T               | —        | 192<br>(182.6)  | -9.1               | 9.3           | —              | +6000         | —            | —              | RNAV1                    |
| 006           | TF              | CC05T               | —        | 192<br>(182.6)  | -9.1               | 6.9           | —              | +7000         | —            | —              | RNAV1                    |
| 007           | TF              | TOBBY               | —        | 192<br>(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<br>(172.6)  | -9.1               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | CC06T               | —        | —               | -9.1               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | CC07T               | —        | 187<br>(177.6)  | -9.1               | 22.5          | —              | -11000        | —            | —              | RNAV1                    |
| 004           | TF              | TOBBY               | —        | 187<br>(177.6)  | -9.1               | 20.0          | —              | —             | —            | —              | RNAV1                    |

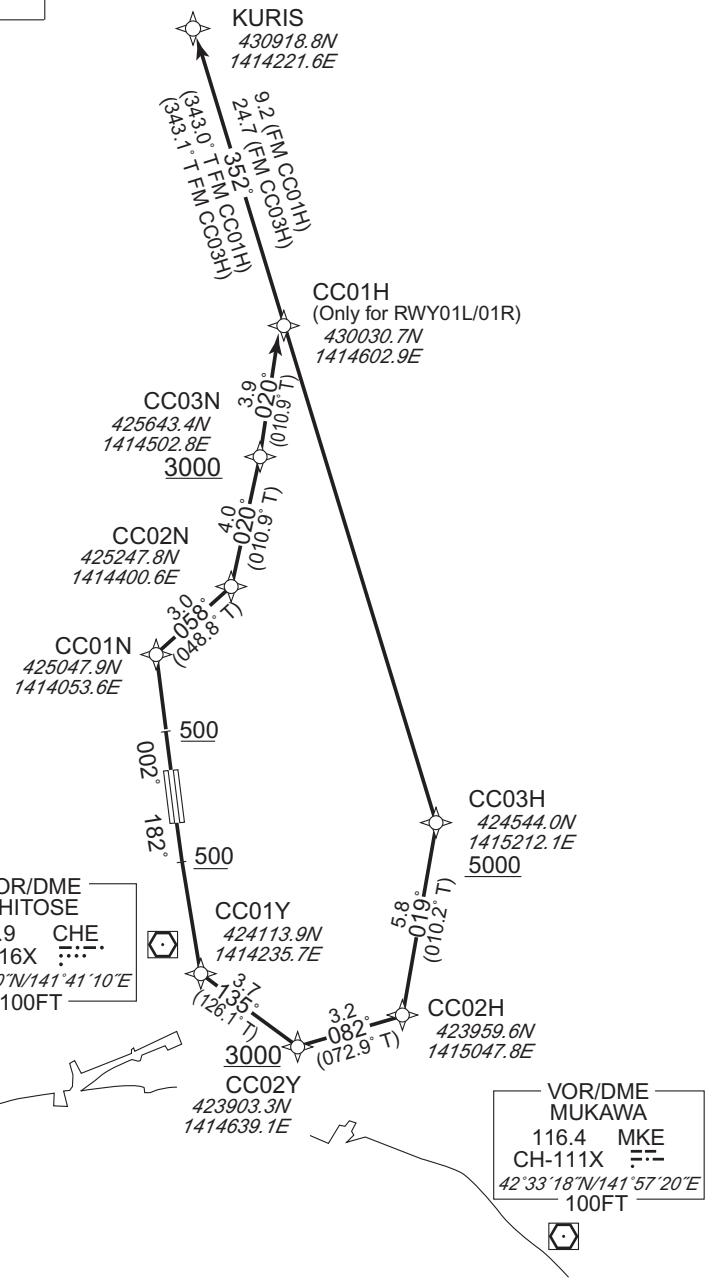
## STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

| PATRUSH ONE DEPARTURE  |   |   | RNAV 1 |
|--|---|---|--------|
| Note 1 ) DME/DME/IRU or GNSS required.<br>※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<br>SPE : 7.0NM to KURIS – KURIS  |        |
| 2 ) RADAR service required.  |   | RWY19L/19R<br>SPE : 1.0NM to CC02H – CC02H<br>7.0NM to KURIS – KURIS<br>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<br>(352.6)  | -9.1               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | CC01N               | —        | —               | -9.1               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | CC02N               | —        | 058<br>(048.8)  | -9.1               | 3.0           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | CC03N               | —        | 020<br>(010.9)  | -9.1               | 4.0           | —              | +3000         | —            | —              | RNAV1                    |
| 005           | TF              | CC01H               | —        | 020<br>(010.9)  | -9.1               | 3.9           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | KURIS               | —        | 352<br>(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<br>(172.6)  | -9.1               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | CC01Y               | —        | —               | -9.1               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | CC02Y               | —        | 135<br>(126.1)  | -9.1               | 3.7           | —              | +3000         | —            | —              | RNAV1                    |
| 004           | TF              | CC02H               | —        | 082<br>(072.9)  | -9.1               | 3.2           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | CC03H               | —        | 019<br>(010.2)  | -9.1               | 5.8           | —              | +5000         | —            | —              | RNAV1                    |
| 006           | TF              | KURIS               | —        | 352<br>(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.<br>※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<br>MKE : 3.0NM to CC06T – 6.0NM to YASKN<br>3.0NM to YASKN – 1.0NM to YASKN<br>YASKN – 3.0NM to YOSAN<br>5.0NM to TOBBY – 3.0NM to TOBBY<br>ZYT : 3.0NM to CC06T – 1.0NM to CC06T<br>YASKN – 5.0NM to MISTA<br>SPE : 5.0NM to TOBBY – 3.0NM to TOBBY<br>HWE : 19.0NM to TOBBY – 17.0NM to TOBBY<br>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<br>(172.6)  | -9.3               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | CC06T               | —        | —               | -9.3               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | YASKN               | —        | 246<br>(236.8)  | -9.3               | 10.0          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | MISTA               | —        | 224<br>(214.5)  | -9.3               | 11.3          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | YOSAN               | —        | 158<br>(148.9)  | -9.3               | 11.6          | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | TOBBY               | —        | 158<br>(149.0)  | -9.3               | 20.7          | —              | —             | —            | —              | RNAV1                    |

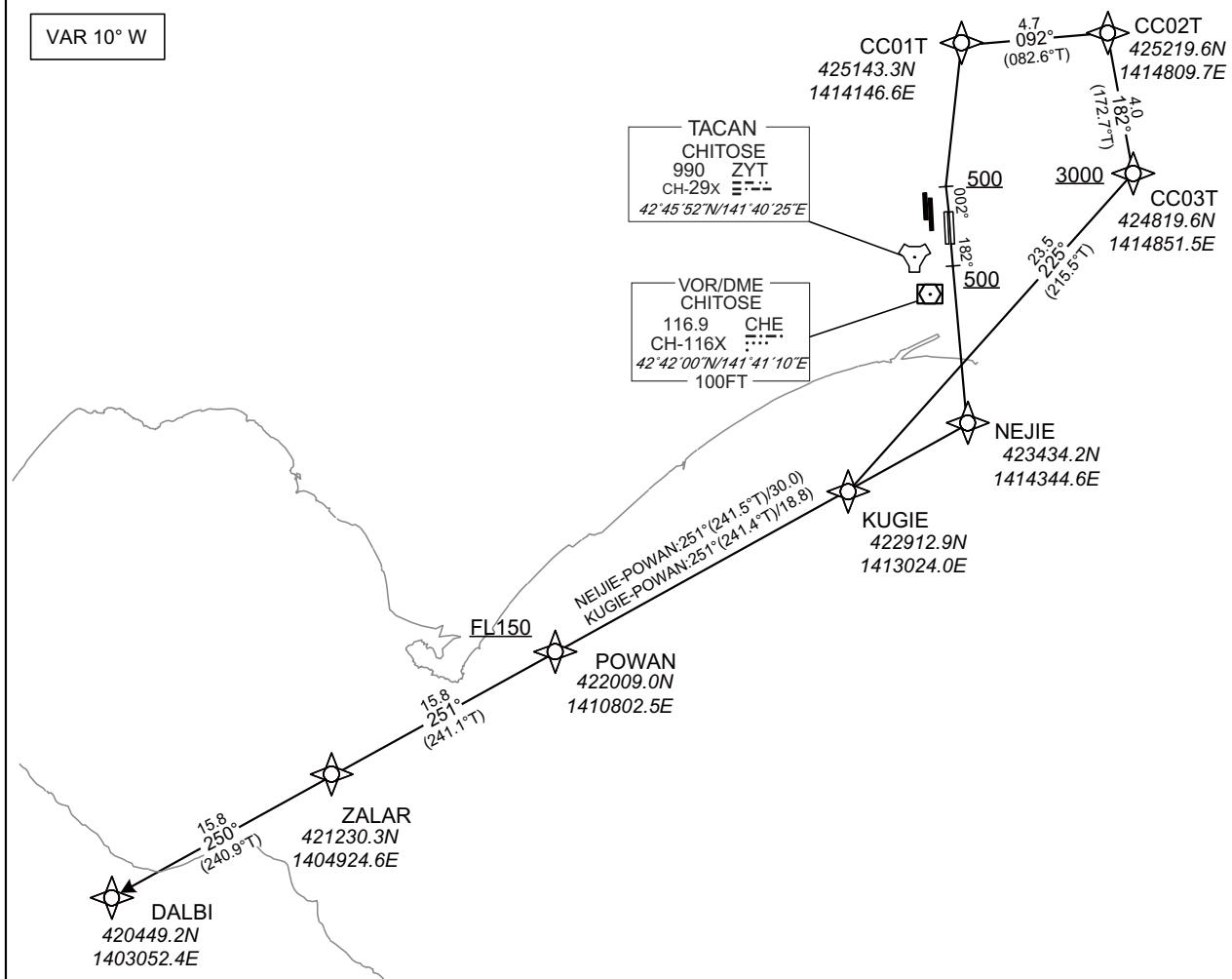
## STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

| DALBI ONE DEPARTURE   |   |              | RNAV1   |
|---|---|--------------|---|
| <p>Note 1) DME/DME/IRU or GNSS required.<br/>       ※ 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 :<br>DER – 2.0NM FM DER<br>18.0NM to KUGIE - 15.0NM to KUGIE<br><br>RWY19L/19R :<br>DER – 6.0NM to NEJIE | Critical DME | <p>RWY01L/01R</p> <p>CHE : 2.0NM FM DER – 2.0NM to CC01T<br/>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<br/>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.

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   |                 |                       | RNAV 1   |               |                    |                     |                |               |                    |                |                          |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
| Note 1) DME/DME/IRU or GNSS required.<br>2) RADAR service required.   |                 | Critical DME          | -  |               |                    |                     |                |               |                    |                |                          |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
|   |                 | DME GAP               | -  |               |                    |                     |                |               |                    |                |                          |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
|   |                 | Inappropriate Navaids | See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1 |               |                    |                     |                |               |                    |                |                          |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
| <p>VAR 10°W</p> <p>VOR/DME HAKODATE<br/>112.3 HWE<br/>CH-70X<br/>41°46'27"N 140°49'56"E<br/>300FT</p> <p>PANSY TRANSITION</p> <p>BUTOS TRANSITION</p> <p>TOBBY 415507.3N 1414535.9E<br/>NOHEY 413638.8N 1412615.2E FL250<br/>APIOS 410339.3N 1411657.4E<br/>PANSY 400014.0N 1411912.3E<br/>BUTOS 392600.1N 1412517.8E</p>   |                 |                       |  |               |                    |                     |                |               |                    |                |                          |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
| <p><b>PANSY TRANSITION</b></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><b>BUTOS TRANSITION</b></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 |
| 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                    |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |

CHANGE : Description of VAR.

STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV TRANSITION

| SHUYU TRANSITION   |                       | RNAV1   |                 |                     |                    |               |                    |               |                |                |                          |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |  |
|--|-----------------------|---|-----------------|---------------------|--------------------|---------------|--------------------|---------------|----------------|----------------|--------------------------|----------------|--------------------------|-----|----|-------|---|---|------|---|---|---|---|---|-------|-----|----|-------|---|-------------|------|------|---|--------|---|---|-------|-----|----|-------|---|-------------|------|------|---|---|---|---|-------|-----|----|-------|---|-------------|------|------|---|---|---|---|-------|--|
| Note 1) DME/DME/IRU or GNSS required.<br>2) RADAR service required.  | Critical DME          | -   |                 |                     |                    |               |                    |               |                |                |                          |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |  |
|  | DME GAP               | -   |                 |                     |                    |               |                    |               |                |                |                          |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |  |
|  | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |                 |                     |                    |               |                    |               |                |                |                          |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |  |
| <p>VAR 10° W</p> <p>TACAN<br/>CHITOSE<br/>990 ZYT<br/>CH-29X <br/>42°45'52"N/141°40'25"E</p> <p>VOR/DME<br/>CHITOSE<br/>116.9 CHE<br/>CH-116X <br/>42°42'00"N/141°41'10"E<br/>100FT</p> <p>SAVIT<br/>422827.1N<br/>1412830.4E</p> <p>POWAN<br/>422009.0N<br/>1410802.5E<br/>FL150</p> <p>ZALAR<br/>421230.3N<br/>1404924.6E</p> <p>DALBI<br/>420449.2N<br/>1403052.4E</p> <p>15.8 251°<br/>15.8 251°<br/>17.3 251°</p>   |                       |   |                 |                     |                    |               |                    |               |                |                |                          |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |  |
| <p>From SAVIT, to POWAN at or above FL150, to ZALAR, to DALBI.</p>   |                       |   |                 |                     |                    |               |                    |               |                |                |                          |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |  |
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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                    | SAVIT   | -               | -                   | -9.5               | -             | -                  | -             | -              | -              | RNAV1                    |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |  |
| 002  | TF                    | POWAN   | -               | 251 (241.3)         | -9.5               | 17.3          | -                  | +FL150        | -              | -              | RNAV1                    |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |  |
| 003  | TF                    | ZALAR   | -               | 251 (241.1)         | -9.5               | 15.8          | -                  | -             | -              | -              | RNAV1                    |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |  |
| 004  | TF                    | DALBI   | -               | 250 (240.9)         | -9.5               | 15.8          | -                  | -             | -              | -              | RNAV1                    |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |  |

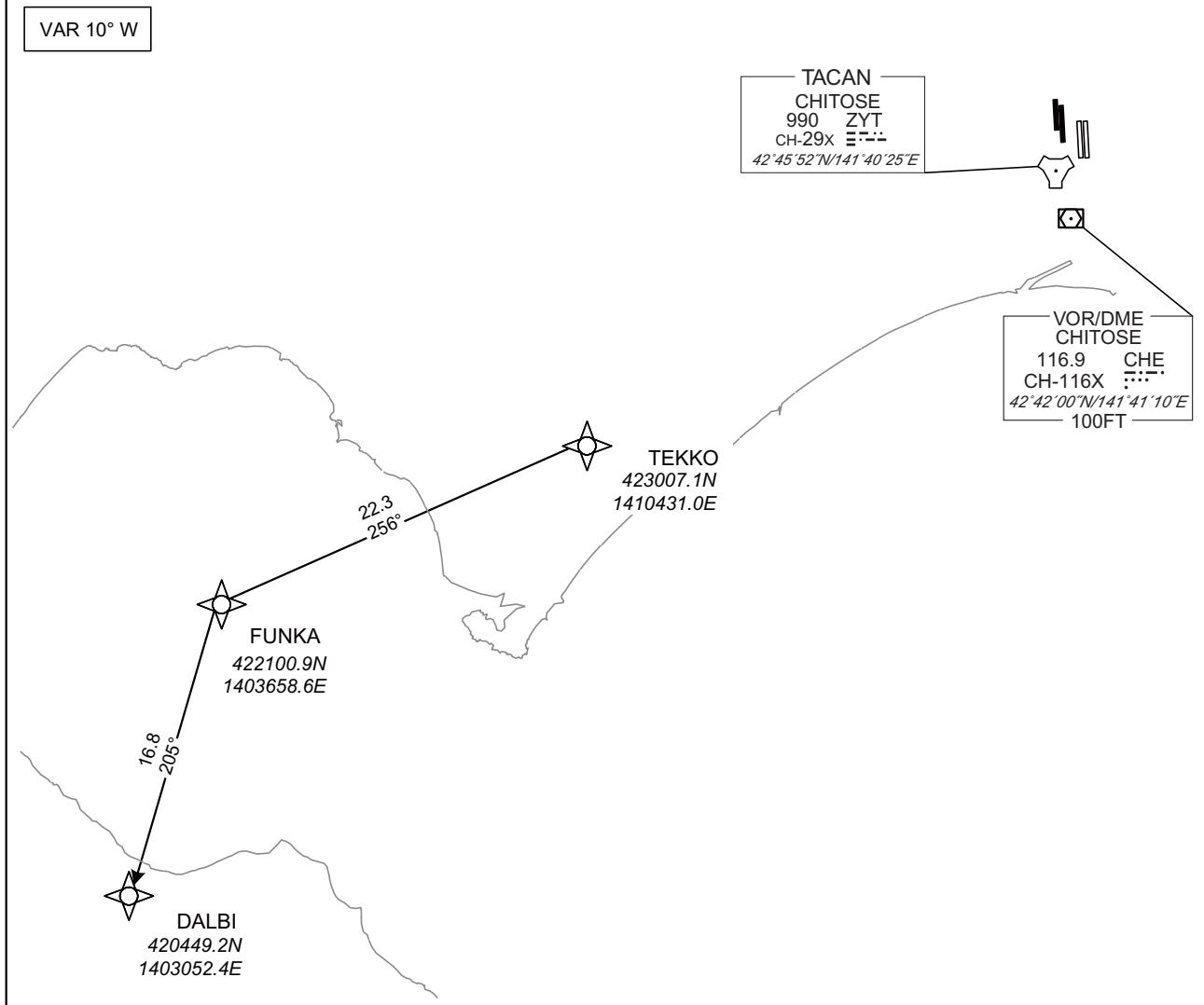
CHANGE : Description of VAR and PROC name.

## STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV TRANSITION

| FUNKA TRANSITION  |                       | RNAV1   |
|---|-----------------------|---|
| Note 1) DME/DME/IRU or GNSS required.<br>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.

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.

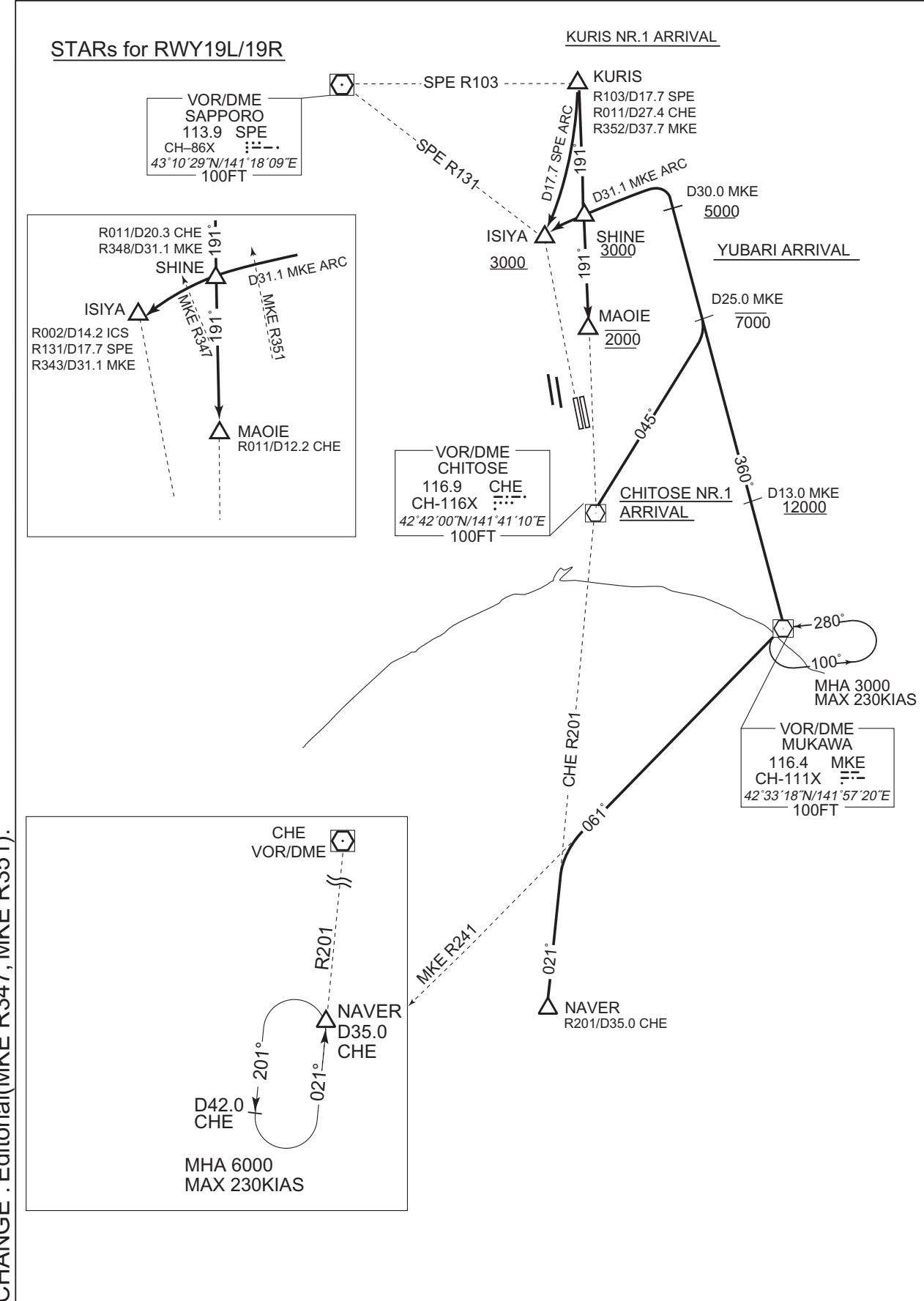
for VOR Z RWY19L : From over KURIS, via CHE R011 to MAOIE via SHINE.

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



## STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY01L

BAMBI SOUTH ARRIVAL  
BAMBI NORTH ARRIVAL

RNAV 1

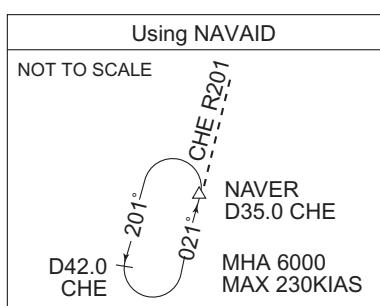
Note 1 ) DME/DME/IRU or GNSS required.

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<br>CHE : 13.0NM to YOSHA - 3.0NM to YOSHA<br>HOKKI - BAMBI<br>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<br>(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<br>CHE : 13.0NM to YOSHA - 3.0NM to YOSHA<br>HOKKI - YOTEI<br>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<br>(162.9) | -9.3               | 20.9          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | YOSHA               | Y        | 185<br>(175.9) | -9.3               | 14.1          | —              | +6000         | —            | —              | RNAV1                    |
| 004           | TF              | HOKKI               | —        | 185<br>(175.9) | -9.3               | 3.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | YOTEI               | —        | 272<br>(262.8) | -9.3               | 6.0           | —              | +2000         | —            | —              | RNAV1                    |

## STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

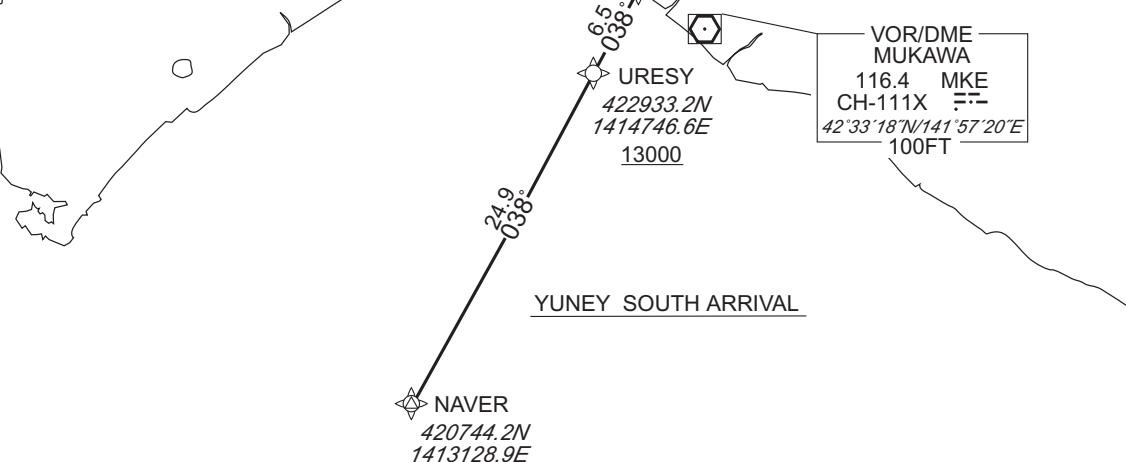
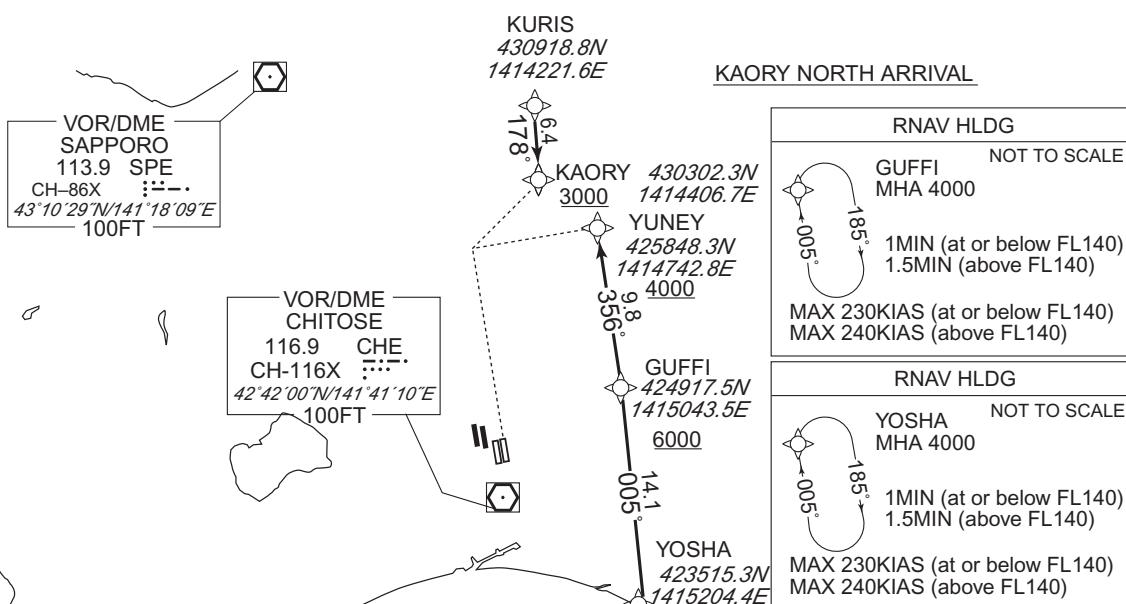
YUNEY SOUTH ARRIVAL  
KAORY NORTH ARRIVAL

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

| <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<br/>10.0NM to GUFFI - GUFFI<br/>MKE : 18.5NM to URESY - 3.0NM to YOSHA<br/>1.0NM to YOSHA - YOSHA</td> <td colspan="8"></td> </tr> <tr> <td>DME GAP</td> <td>NAVER - 18.5NM to URESY<br/>3.0NM to YOSHA - 1.0NM to YOSHA<br/>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<br>10.0NM to GUFFI - GUFFI<br>MKE : 18.5NM to URESY - 3.0NM to YOSHA<br>1.0NM to YOSHA - YOSHA |                       |                       |                              |                          |                |                          |               |                     | DME GAP               | NAVER - 18.5NM to URESY<br>3.0NM to YOSHA - 1.0NM to YOSHA<br>YOSHA - 10.0NM to GUFFI |                     |                    |                       |                       |               |                          |                |                          | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
| Critical DME   | CHE : 18.5NM to URESY - 15.5NM to URESY<br>10.0NM to GUFFI - GUFFI<br>MKE : 18.5NM to URESY - 3.0NM to YOSHA<br>1.0NM to YOSHA - YOSHA |                       |                    |                            |  |                       |                       |                              |                          |                |                          |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
| DME GAP  | NAVER - 18.5NM to URESY<br>3.0NM to YOSHA - 1.0NM to YOSHA<br>YOSHA - 10.0NM to GUFFI  |                       |                    |                            |  |                       |                       |                              |                          |                |                          |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
| Inappropriate Navaids  | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1  |                       |                    |                            |  |                       |                       |                              |                          |                |                          |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
| <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>NAVER</td><td>—</td><td>—</td><td>-9.3</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>RNAV1</td></tr> <tr> <td>002</td><td>TF</td><td>URESY</td><td>—</td><td>038 (028.8)</td><td>-9.3</td><td>24.9</td><td>—</td><td>+13000</td><td>—</td><td>—</td><td>RNAV1</td></tr> <tr> <td>003</td><td>TF</td><td>YOSHA</td><td>—</td><td>038 (029.0)</td><td>-9.3</td><td>6.5</td><td>—</td><td>—</td><td>—</td><td>—</td><td>RNAV1</td></tr> <tr> <td>004</td><td>TF</td><td>GUFFI</td><td>—</td><td>005 (356.0)</td><td>-9.3</td><td>14.1</td><td>—</td><td>+6000</td><td>—</td><td>—</td><td>RNAV1</td></tr> <tr> <td>005</td><td>TF</td><td>YUNEY</td><td>—</td><td>356 (346.9)</td><td>-9.3</td><td>9.8</td><td>—</td><td>+4000</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  | 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 | YUNEY | — | 356 (346.9) | -9.3 | 9.8 | — | +4000 | — | — | 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   | YUNEY                 | —                  | 356 (346.9)                | -9.3   | 9.8                   | —                     | +4000                        | —                        | —              | RNAV1                    |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
| <table border="1"> <thead> <tr> <th>Path</th><th>Waypoint Identifier</th><th>Inbound Course °M(°T)</th><th>Magnetic Variation</th><th>Outbound Time (MIN)</th><th>Turn Direction</th><th>Minimum Altitude (FT)</th><th>Maximum Altitude (FT)</th><th>Speed (KIAS)</th><th>Navigation Specification</th></tr> </thead> <tbody> <tr> <td>Hold</td><td>GUFFI</td><td>005 (356.0)</td><td>-9.3</td><td>1.0(-14000)<br/>1.5(+14001)</td><td>R</td><td>4000</td><td>—</td><td>-230(-14000)<br/>-240(+14001)</td><td>RNAV1</td></tr> <tr> <td>Hold</td><td>YOSHA</td><td>005 (356.0)</td><td>-9.3</td><td>1.0(-14000)<br/>1.5(+14001)</td><td>R</td><td>4000</td><td>—</td><td>-230(-14000)<br/>-240(+14001)</td><td>RNAV1</td></tr> </tbody> </table>  |  |                       |                    |                            |  |                       |                       |                              |                          |                |                          | 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)<br>1.5(+14001) | R | 4000 | —    | -230(-14000)<br>-240(+14001) | RNAV1 | Hold | YOSHA | 005 (356.0) | -9.3  | 1.0(-14000)<br>1.5(+14001) | R  | 4000  | — | -230(-14000)<br>-240(+14001) | 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)<br>1.5(+14001) | R  | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |                |                          |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
| Hold   | YOSHA  | 005 (356.0)           | -9.3               | 1.0(-14000)<br>1.5(+14001) | R  | 4000                  | —                     | -230(-14000)<br>-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<br>(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.

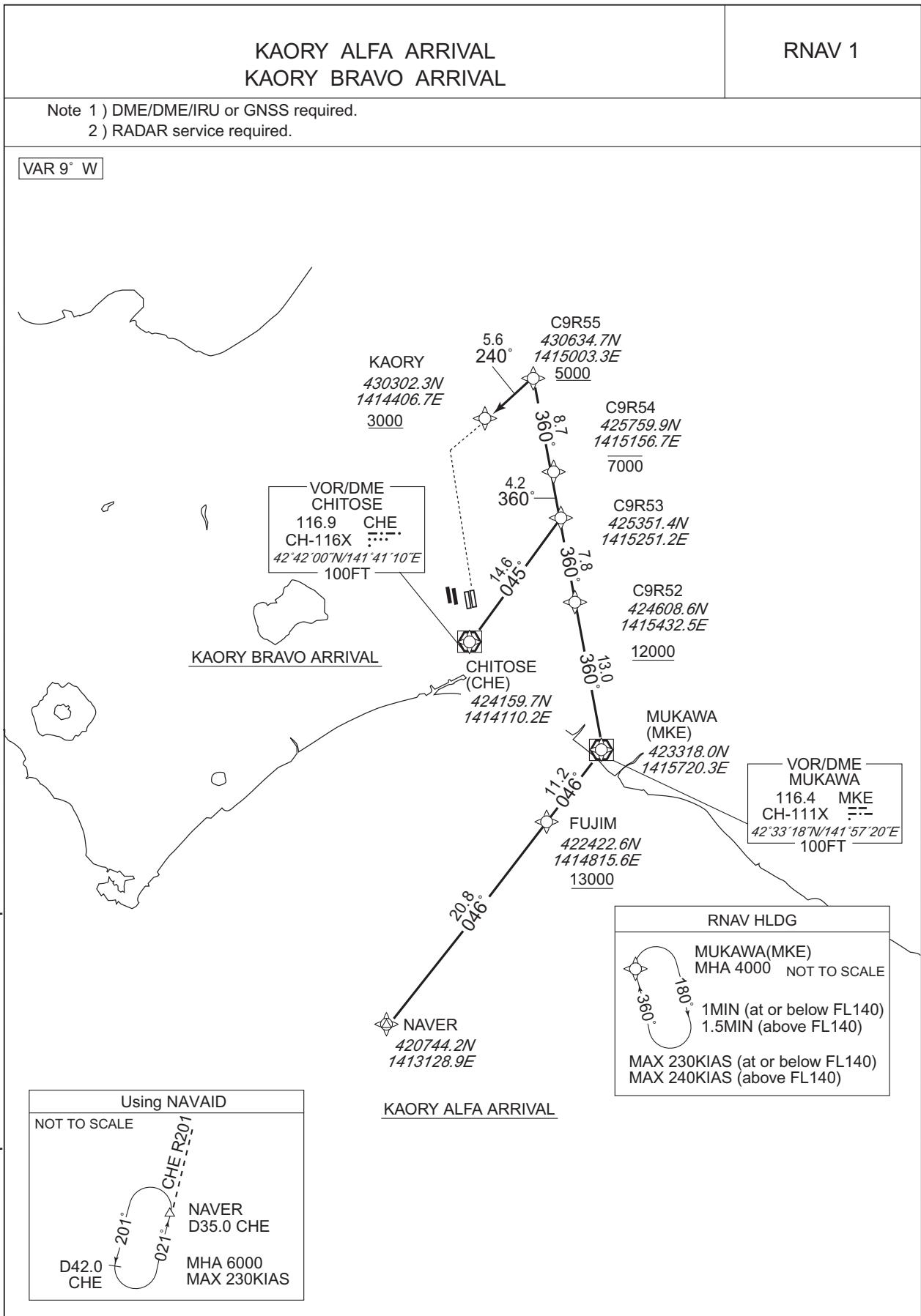
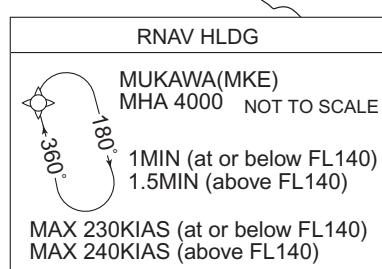
2 ) RADAR service required.

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<br>MKE: 10.0NM to MKE - 3.0NM to MKE<br>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<br>(036.6) | -9.3               | 20.8          | —              | +13000        | —            | —              | RNAV1                    |
| 003           | TF              | MKE                 | —        | 046<br>(036.8) | -9.3               | 11.2          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | C9R52               | —        | 360<br>(350.9) | -9.3               | 13.0          | —              | +12000        | —            | —              | RNAV1                    |
| 005           | TF              | C9R53               | —        | 360<br>(350.9) | -9.3               | 7.8           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | C9R54               | —        | 360<br>(350.9) | -9.3               | 4.2           | —              | -7000         | —            | —              | RNAV1                    |
| 007           | TF              | C9R55               | —        | 360<br>(350.9) | -9.3               | 8.7           | —              | +5000         | —            | —              | RNAV1                    |
| 008           | TF              | KAORY               | —        | 240<br>(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<br>(350.9)        | -9.3               | 1.0(-14000)<br>1.5(+14001) | R              | 4000                  | —                     | -230(-14000)<br>-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<br>(035.8) | -9.3               | 14.6          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | C9R54               | —        | 360<br>(350.9) | -9.3               | 4.2           | —              | -7000         | —            | —              | RNAV1                    |
| 004           | TF              | C9R55               | —        | 360<br>(350.9) | -9.3               | 8.7           | —              | +5000         | —            | —              | RNAV1                    |
| 005           | TF              | KAORY               | —        | 240<br>(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°  
6000  
1415043.5E  
GUFFI  
 $424917.5N$   
 $1415043.5E$   
YOHCK  
 $430010.8N$   
 $1414716.6E$   
YOSHA  
 $423515.3N$   
 $1415204.4E$   
URESY  
 $422933.2N$   
 $1414746.6E$   
13000  
038°  
038°  
24.9°

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  
021°  
201°  
CHE\_R201  
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<br>10.0NM to GUFFI - GUFFI<br>MKE : 18.5NM to URESY - 3.0NM to YOSHA<br>1.0NM to YOSHA - YOSHA<br>SPE : YOHCK - KAORY |
| DME GAP               | NAVER - 18.5NM to URESY<br>3.0NM to YOSHA - 1.0NM to YOSHA<br>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<br>(028.8) | -9.3               | 24.9          | —              | +13000        | —            | —              | RNAV1                    |
| 003           | TF              | YOSHA               | —        | 038<br>(029.0) | -9.3               | 6.5           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | GUFFI               | —        | 005<br>(356.0) | -9.3               | 14.1          | —              | +6000         | —            | —              | RNAV1                    |
| 005           | TF              | YOHCK               | —        | 356<br>(346.9) | -9.3               | 11.2          | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | KAORY               | —        | 330<br>(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<br>(356.0)        | -9.3               | 1.0(-14000)<br>1.5(+14001) | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | YOSHA               | 005<br>(356.0)        | -9.3               | 1.0(-14000)<br>1.5(+14001) | R              | 4000                  | —                     | -230(-14000)<br>-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<br>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)<br>1.5(+14001) | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | YOSHA               | 006 (356.0)           | -9.5               | 1.0(-14000)<br>1.5(+14001) | R              | 4000                  | —                     | -230(-14000)<br>-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

YOSHA  
 $423515.3N$   
 $1415204.4E$   
13000

NAGANUMA SOUTH ARRIVAL

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 NAVID**  
NOT TO SCALE  
CHE\_R201  
NAVER D35.0 CHE  
MHA 6000  
MAX 230KIAS

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<br>10.0NM to GUFFI - GUFFI<br>1.0NM to NACKS - NACKS<br>MKE : 18.5NM to URESY - 3.0NM to YOSHA<br>1.0NM to YOSHA - YOSHA<br>SPE : YOHCK - NACKS |
| DME GAP               | NAVER - 18.5NM to URESY<br>3.0NM to YOSHA - 1.0NM to YOSHA<br>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<br>(028.8) | -9.3               | 24.9          | —              | +13000        | —            | —              | RNAV1                    |
| 003           | TF              | YOSHA               | —        | 038<br>(029.0) | -9.3               | 6.5           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | GUFFI               | —        | 005<br>(356.0) | -9.3               | 14.1          | —              | +6000         | —            | —              | RNAV1                    |
| 005           | TF              | YOHCK               | —        | 356<br>(346.9) | -9.3               | 11.2          | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | KAORY               | —        | 330<br>(320.9) | -9.3               | 3.7           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF              | NACKS               | —        | 240<br>(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<br>(356.0)        | -9.3               | 1.0(-14000)<br>1.5(+14001) | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | YOSHA               | 005<br>(356.0)        | -9.3               | 1.0(-14000)<br>1.5(+14001) | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

NAGANUMA NORTH ARRIVAL

From KURIS, to NACKS at or above 3000FT.

|                       |   |
|-----------------------|---|
| Critical DME          | CHE : 1.0NM to NACKS - NACKS<br>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<br>(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<br>MKE : 10.0NM to MKE - 3.0NM to MKE<br>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 NAV AIDS 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)<br>1.5(+14001) | R              | 4000                  | —                     | -230(-14000)<br>-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<br>(035.8) | -9.3               | 14.6          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | C9R54               | —        | 360<br>(350.9) | -9.3               | 4.2           | —              | -7000         | —            | —              | RNAV1                    |
| 004           | TF              | C9R55               | —        | 360<br>(350.9) | -9.3               | 8.7           | —              | +5000         | —            | —              | RNAV1                    |
| 005           | TF              | NACKS               | —        | 240<br>(230.8) | -9.3               | 10.4          | —              | +3000         | —            | —              | RNAV1                    |

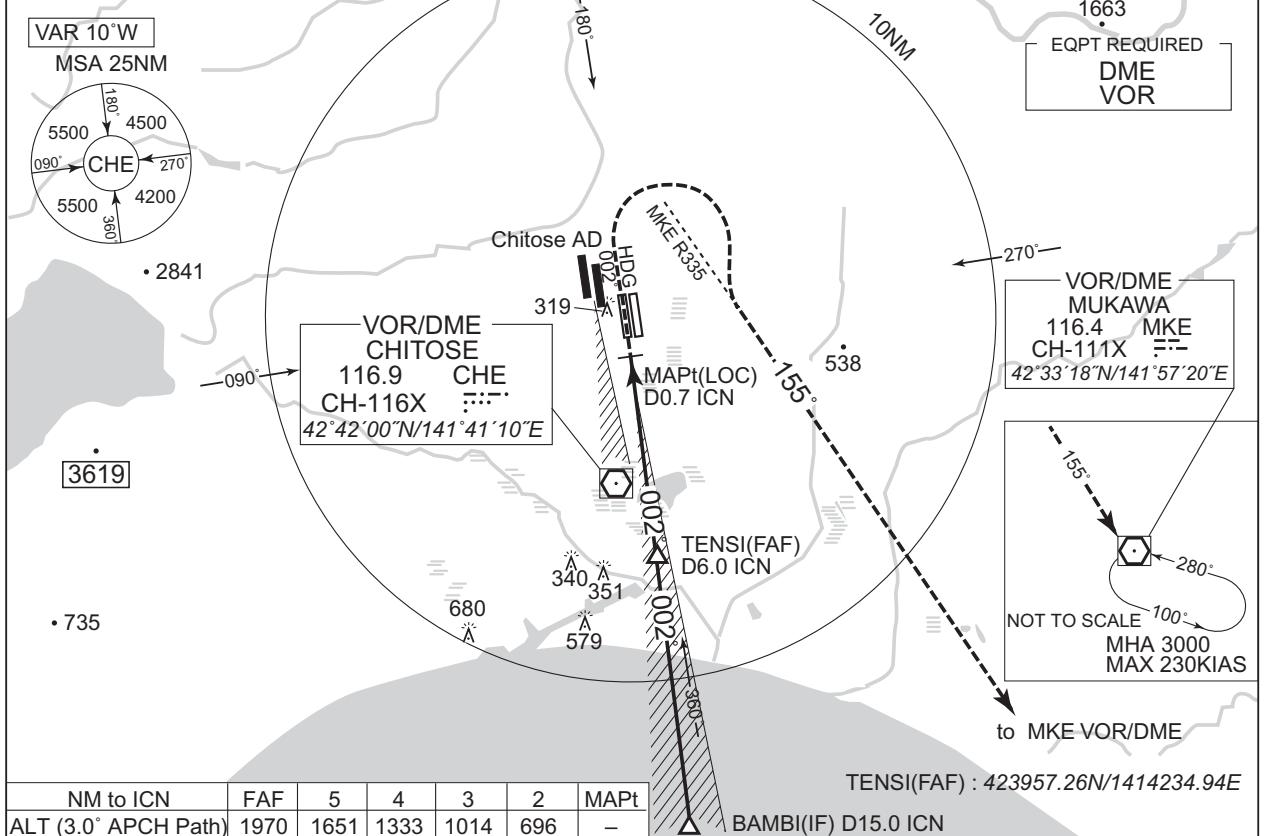
## **INSTRUMENT APPROACH CHART**

RJCC / NEW CHITOSE

ILS Z or LOC Z RWY01L

|                              |   |   |                          |
|------------------------------|---|---|--------------------------|
| CHITOSE APP<br>120.1 – 124.7 | ILS-LOC<br>110.9 ICN 三:-.<br>ILS-GP 330.8<br>ILS-DME CH-46X | CHITOSE TOWER<br>118.8 – 126.2 – 121.6G | RADAR AVBL<br>ATIS 128.6 |
|------------------------------|---|---|--------------------------|

Simultaneous approach authorized with RJCJ RWY36L(PAR) or RWY36R(PAR)



CHANGE : DME to ICN for VDP. NM to THR for VDP. MDA(H) for LOC.

**MISSED APPROACH**  
Climb to 600FT on HDG002°,  
turn right, via MKE R335 to  
MKE VOR/DME and hold at  
5000FT.  
Contact CHITOSE APP.

Timing not authorized for defining the MAPt

| 14.8   |           | 5.8          |           | 1.2         |           | 0.5         |           | 0         |      | NM to THR |  |  |  |  |  |
|--------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|-----------|------|-----------|--|--|--|--|--|
| MINIMA |           | THR elev. 62 |           |             |           | AD elev. 70 |           |           |      |           |  |  |  |  |  |
| CAT    | CAT I     |              | LOC       |             |           | CIRCLING    |           |           |      |           |  |  |  |  |  |
|        | DA(H)     | RVR/<br>CMV  | MDA(H)    | RVR/<br>CMV |           | MDA(H)      | VIS       |           |      |           |  |  |  |  |  |
| A      | 262 (200) | 550          | 470 (408) | 900         | 510 (440) |             |           | 1600      |      |           |  |  |  |  |  |
| B      |           |              |           |             |           | 1000        | 520 (450) |           |      |           |  |  |  |  |  |
| C      |           |              |           |             |           |             | 2400      |           |      |           |  |  |  |  |  |
| D      |           |              |           |             |           | 1400        |           | 620 (550) | 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 RWY01R

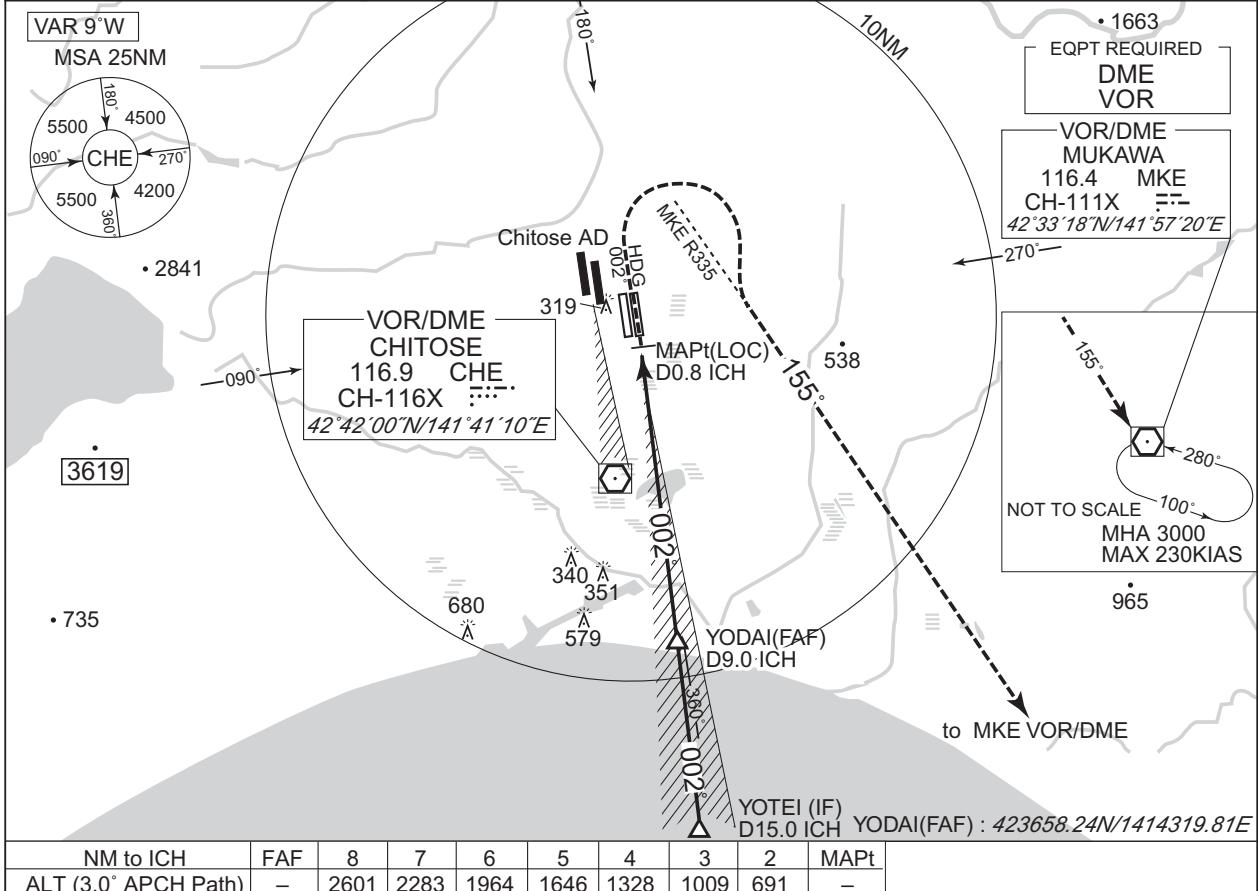
CHITOSE APP  
120.1 – 124.7

ILS-LOC 110.75 ICH  $\text{---}$   
ILS-GP 330.05  
ILS-DME CH-44Y

CHITOSE TOWER  
118.8 – 126.2 – 121.6G

RADAR AVBL  
ATIS 128.6

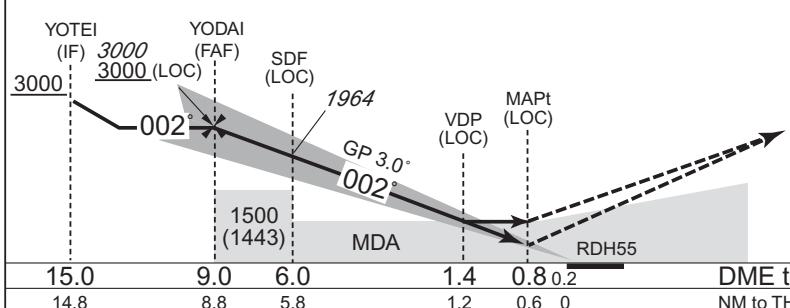
Simultaneous approach authorized with RJCJ RWY36L(PAR) or RWY36R(PAR)



## MISSSED APPROACH

Climb to 600FT on HDG002°, turn right, via MKE R335 to MKE VOR/DME and hold at 5000FT. Contact CHITOSE APP.

Timing not authorized for defining the MAPt.



CHANGE : DME to ICH for VDP. NM to THR for VDP. MDA(H) for LOC.

## AD elev. 70

| CAT | CAT I     |         | LOC       |         | CIRCLING |           |
|-----|-----------|---------|-----------|---------|----------|-----------|
|     | DA(H)     | RVR/CMV | MDA(H)    | RVR/CMV | MDA(H)   | VIS       |
| A   |           |         |           |         | 900      | 510 (440) |
| B   | 257 (200) | 550     | 470 (413) |         | 1000     | 520 (450) |
| C   |           |         |           |         |          | 2400      |
| D   |           |         |           |         | 1400     | 620 (550) |
|     |           |         |           |         |          | 3200      |

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

ILS Z or LOC Z RWY19L



CHANGE : Description of VAR.

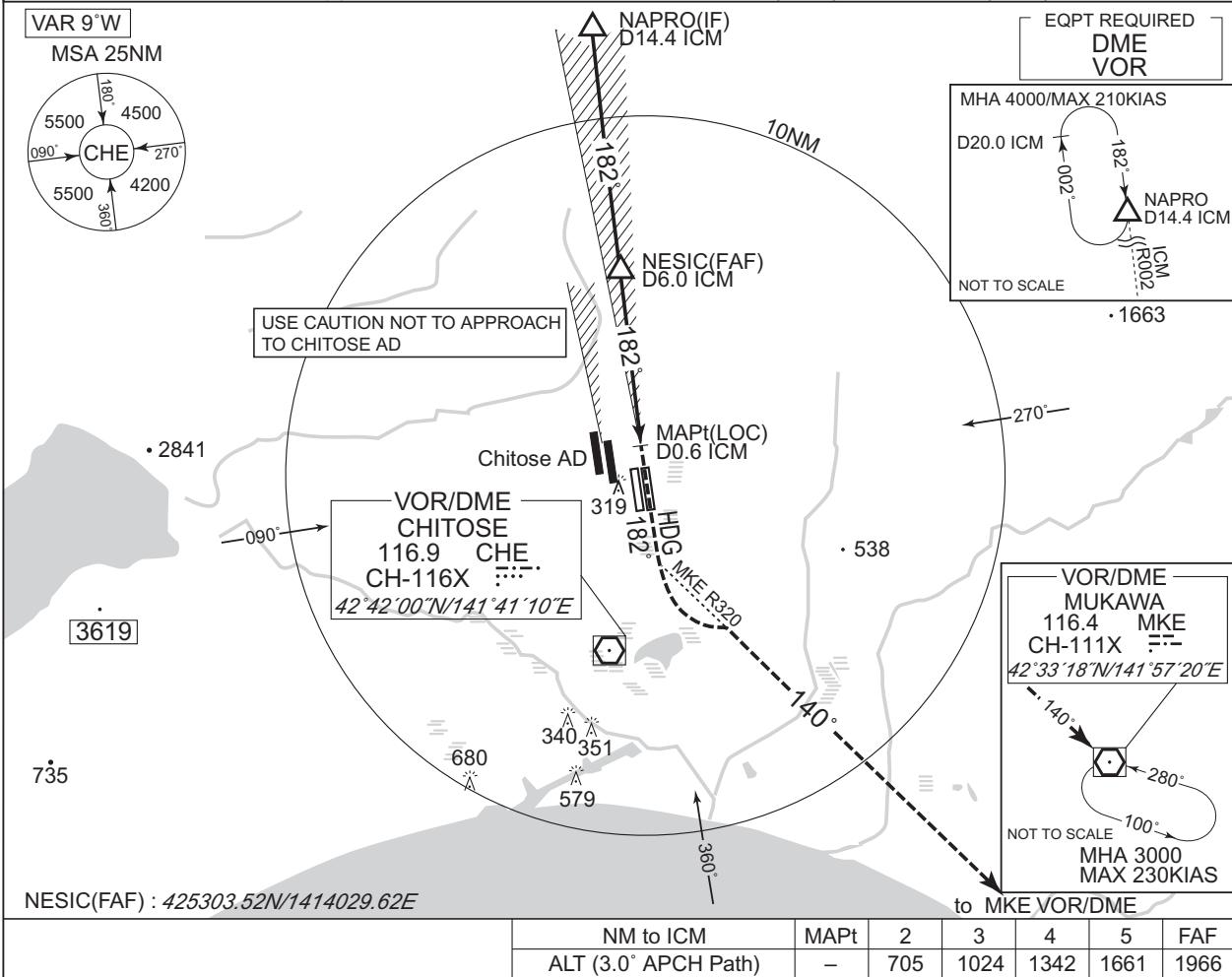
## INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

ILS Y or LOC Y RWY19L

|               |   |                        |            |
|---------------|---|------------------------|------------|
| CHITOSE APP   | ILS - LOC<br>109.35 ICM 三三<br>ILS-GP 331.85<br>ILS-DME CH-30Y | CHITOSE TOWER          | RADAR AVBL |
| 120.1 – 124.7 |   | 118.8 – 126.2 – 121.6G | ATIS 128.6 |

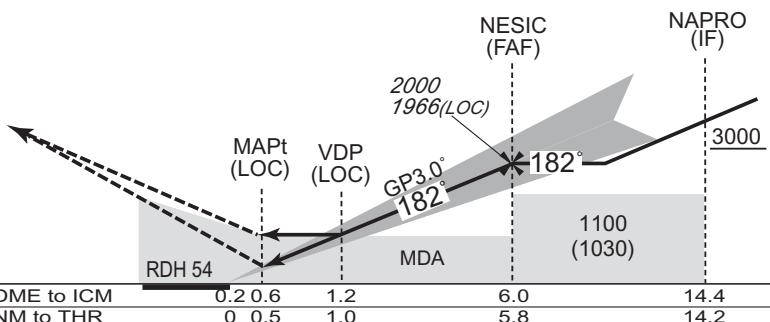
Simultaneous approach authorized with RJCJ RWY18L(PAR) or RWY18R(PAR)



## MISSED APPROACH

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

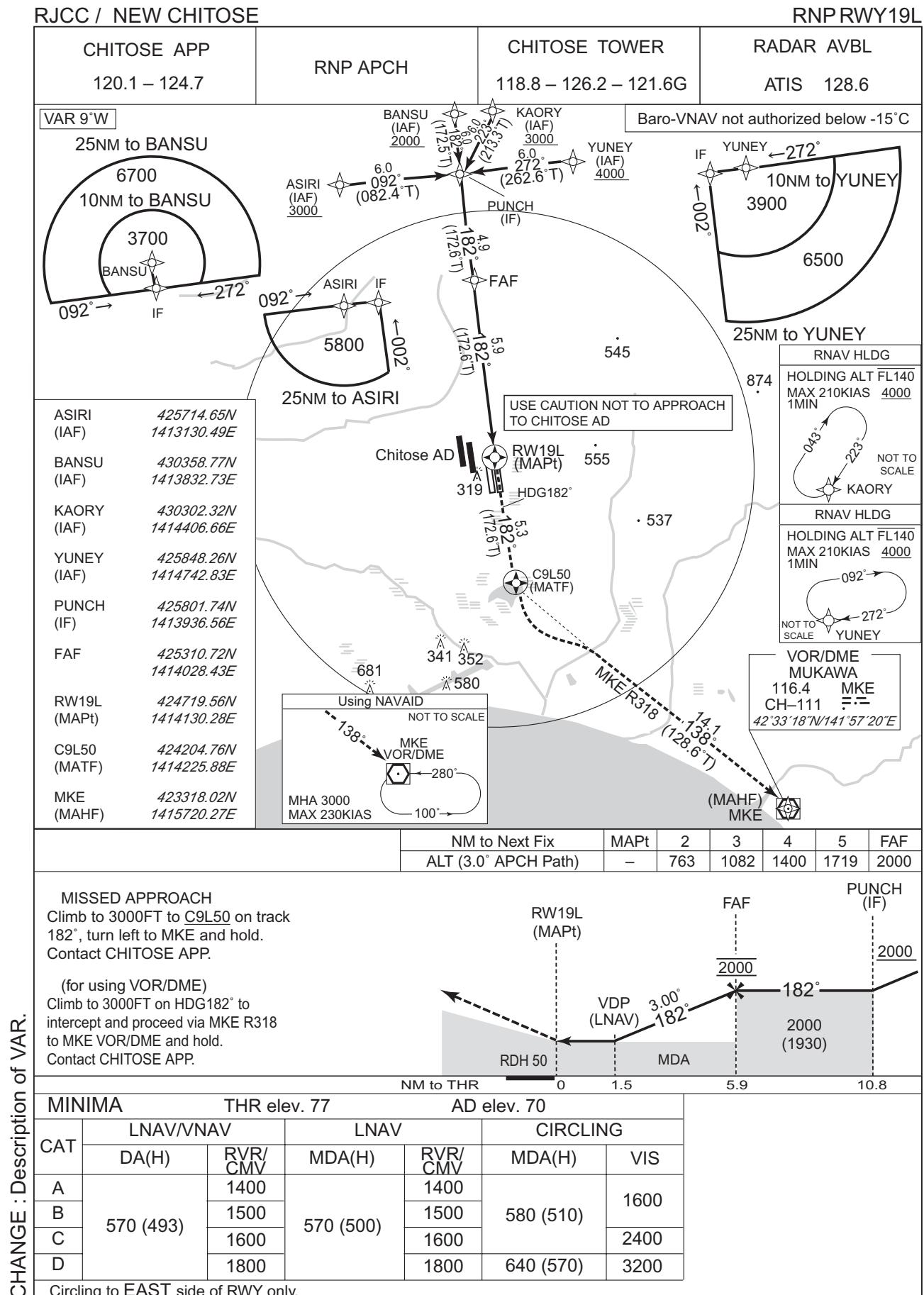
Timing not authorized for defining the MAPt.



| MINIMA |           | THR elev. 77 |           | AD elev. 70 |           |      |
|--------|-----------|--------------|-----------|-------------|-----------|------|
| CAT    | CAT I     |              | LOC       |             | CIRCLING  |      |
|        | DA(H)     | RVR/<br>CMV  | MDA(H)    | RVR/<br>CMV | MDA(H)    | VIS  |
| A      | 277 (200) | 700          | 450 (380) | 1200        | 580 (510) | 1600 |
| B      |           |              |           | 1300        |           | 2400 |
| C      |           |              |           | 1400        |           | 3200 |
| D      |           |              |           | 1600        | 640 (570) |      |
|        |           |              |           |             |           |      |

## CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

VOR Z RWY19L

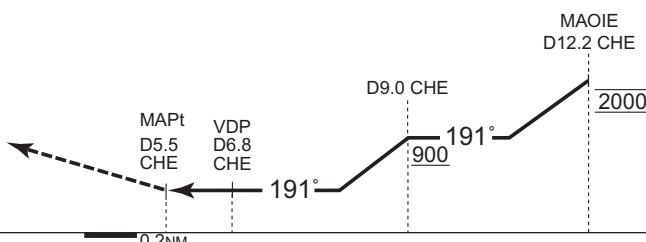


## MISSSED APPROACH

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/<br>CMV | MDA(H)       | VIS  |             |      |                      |
| A   | 620 (550) | 1400        | 620 (550)    | 1600 | 900         | 191° | MAOIE D12.2 CHE 2000 |
| B   |           | 1500        |              | 2400 |             |      |                      |
| C   |           | 1600        |              |      |             |      |                      |
| D   |           | 1800        | 640 (570)    | 3200 |             |      |                      |

Circling to EAST side of RWY only.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART



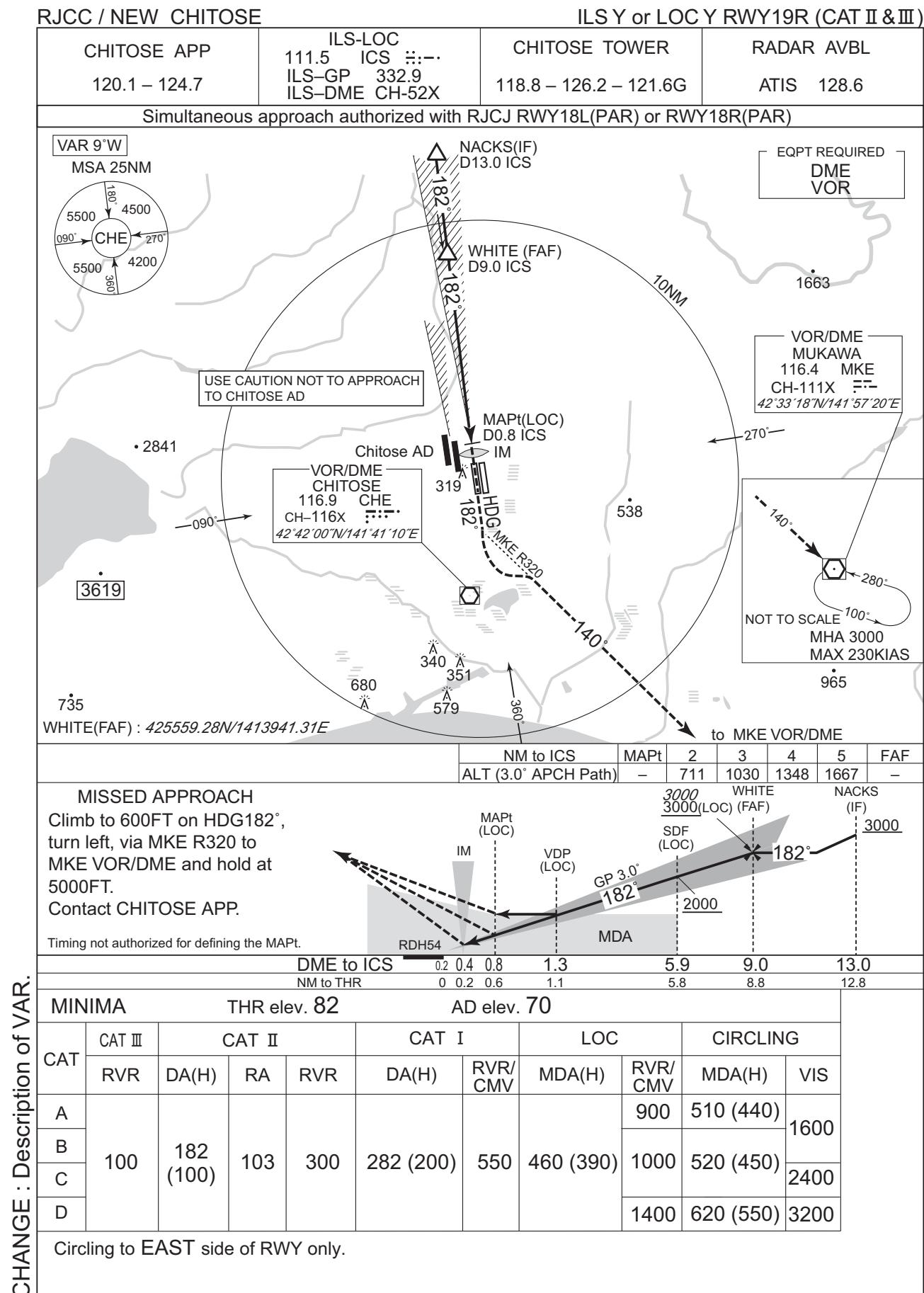
## INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

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



INSTRUMENT APPROACH CHART



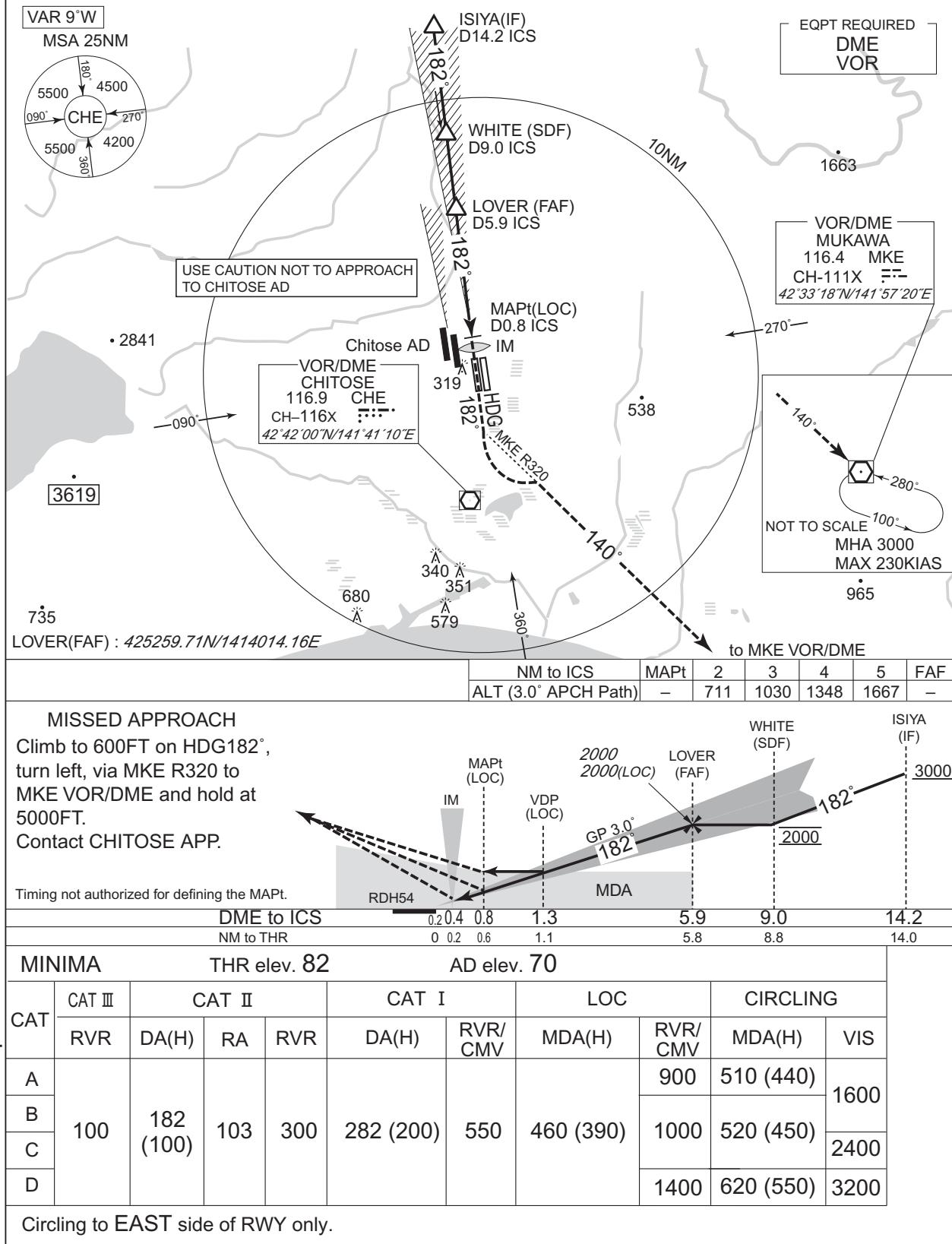
## INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

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

|                              |  |   |                          |
|------------------------------|--|---|--------------------------|
| CHITOSE APP<br>120.1 – 124.7 | ILS-LOC<br>111.5 ICS H:--.<br>ILS-GP 332.9<br>ILS-DME CH-52X | CHITOSE TOWER<br>118.8 – 126.2 – 121.6G | RADAR AVBL<br>ATIS 128.6 |
|------------------------------|--|---|--------------------------|

Simultaneous approach authorized with RJCJ RWY18L(PAR) or RWY18R(PAR)



INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART



CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

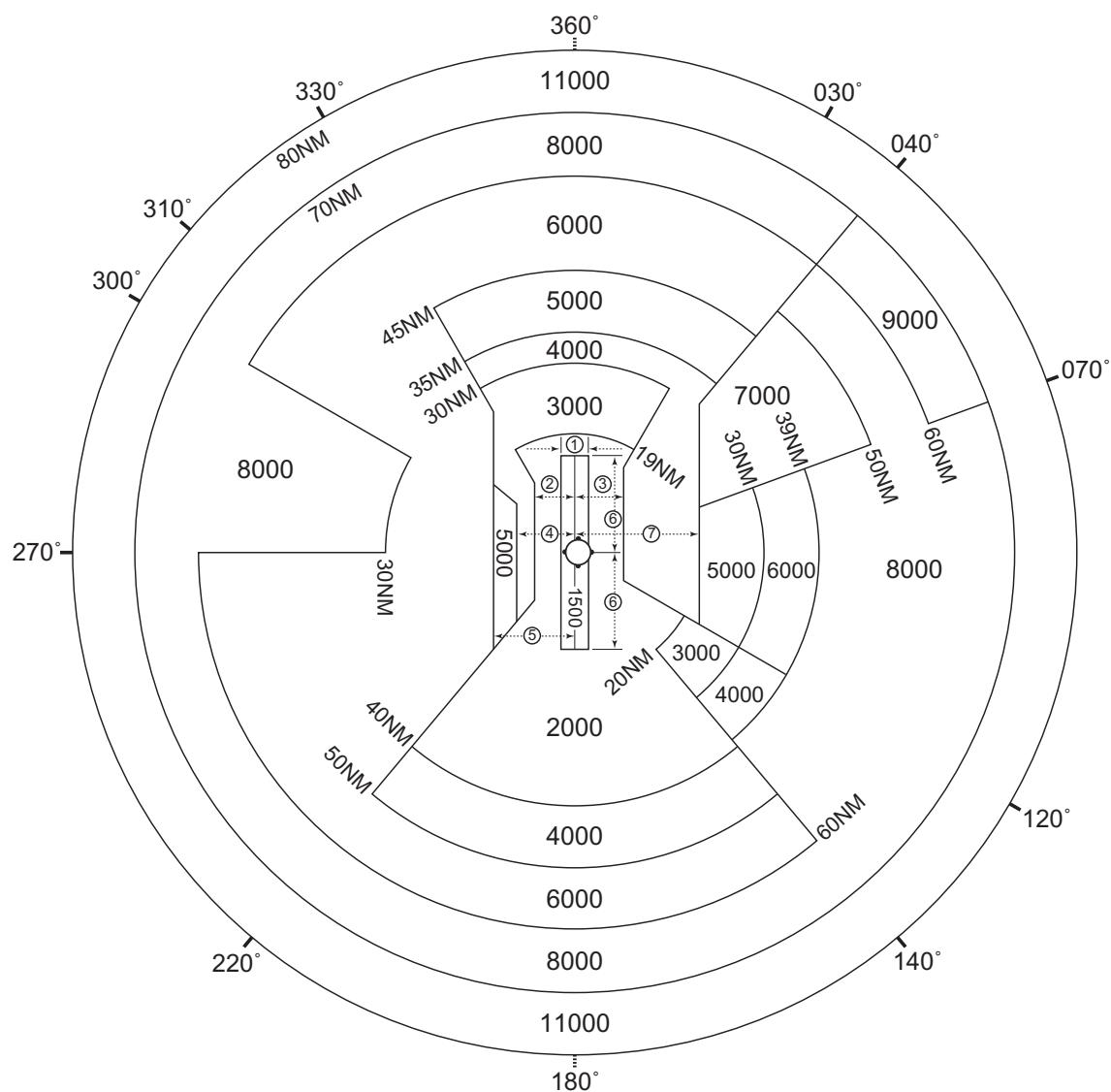




RJCC / NEW CHITOSE

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.