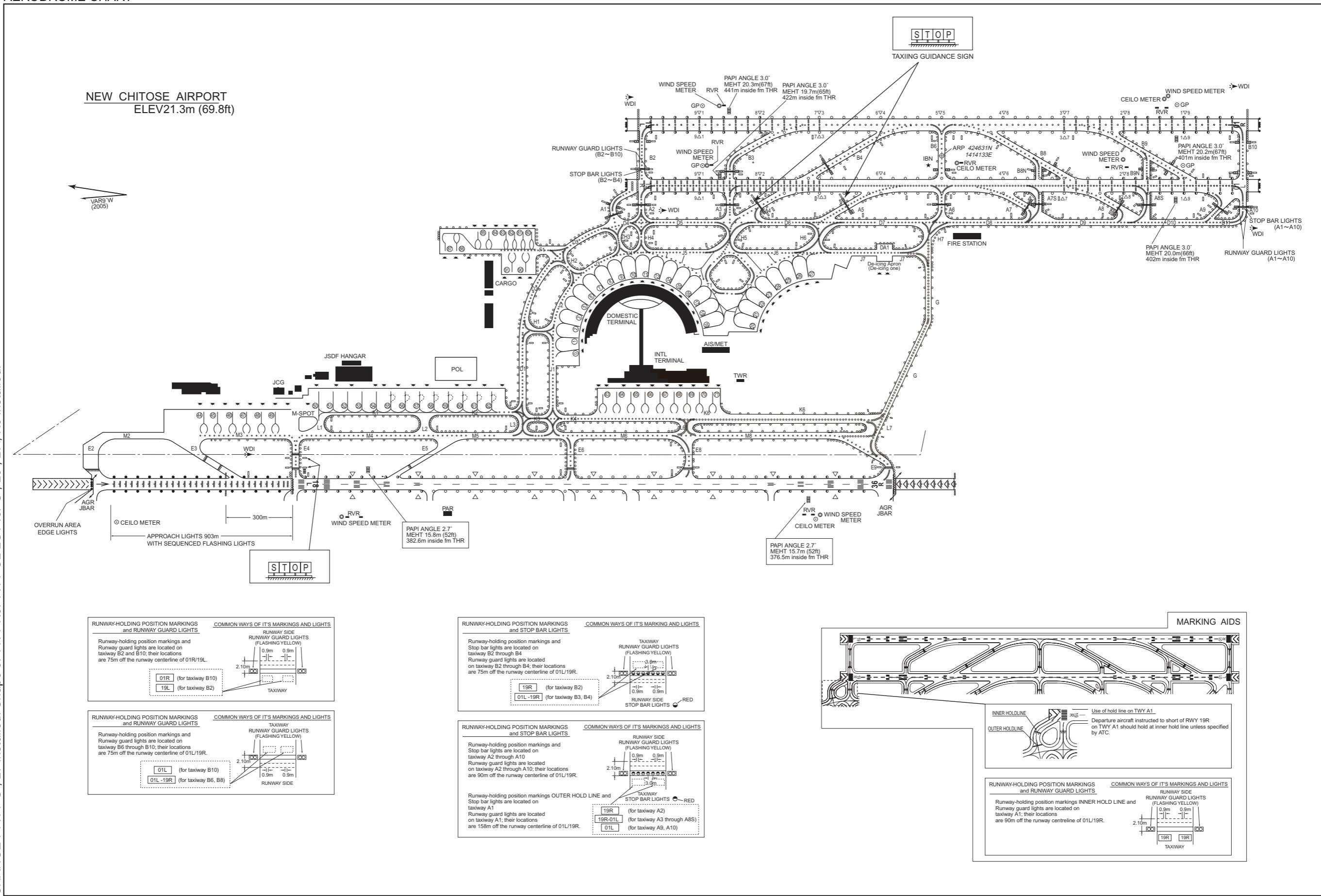


## AERODROME CHART

CHANGE : TWY G, H installed. Shape of TWY K6, TWY CH GT for G, H7, K6 installed.

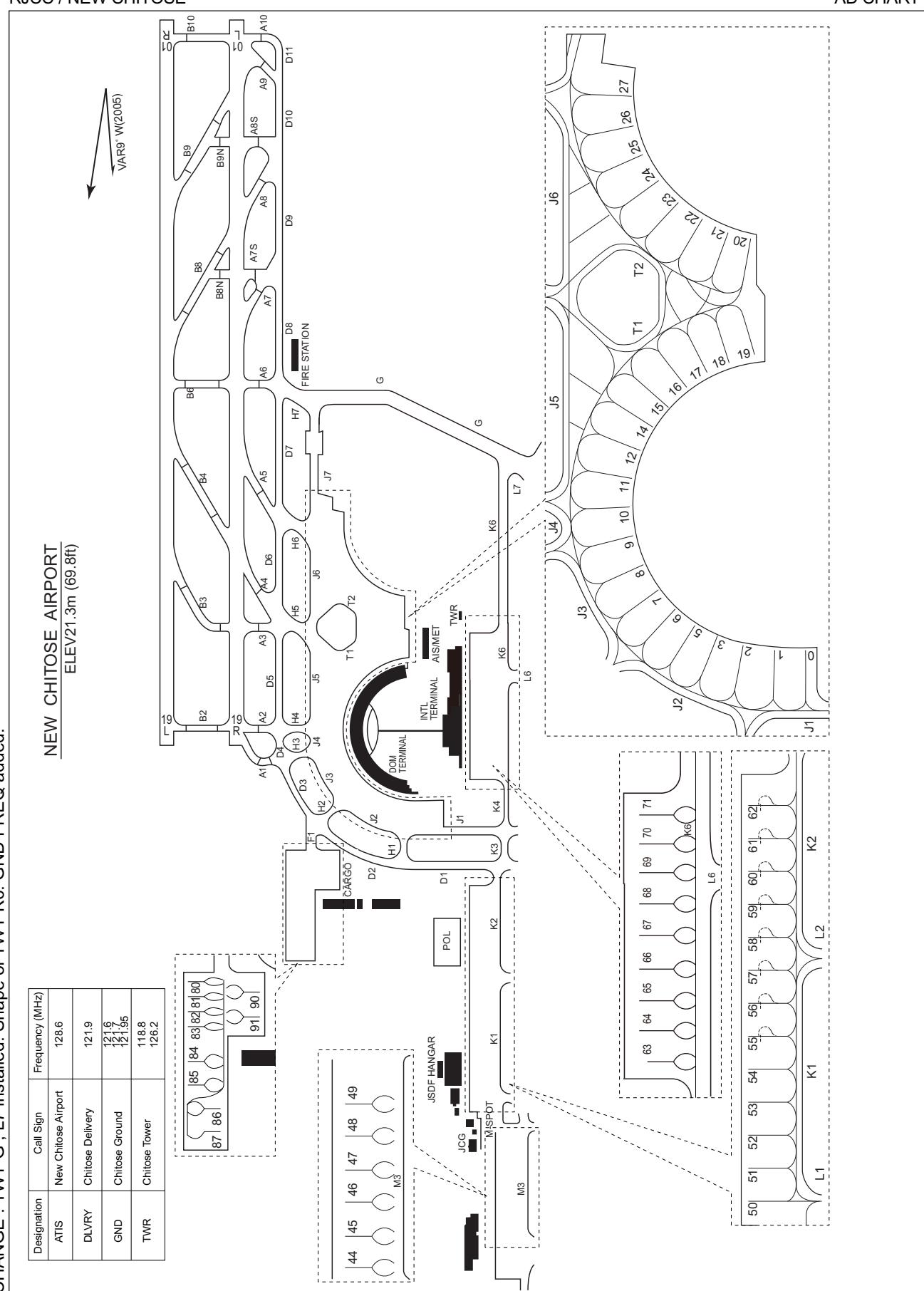


RJCC / NEW CHITOSE

## AD CHART

CHANGE : TWY G , L7 installed. Shape of TWY K6. GND FREQ added.

| Designation | Call Sign           | Frequency (MHz)          |
|-------------|---------------------|--------------------------|
| ATIS        | New Chitose Airport | 128.6                    |
| DLYRY       | Chitose Delivery    | 121.9                    |
| GND         | Chitose Ground      | 121.6<br>121.7<br>121.95 |
| TWR         | Chitose Tower       | 118.8<br>126.2           |

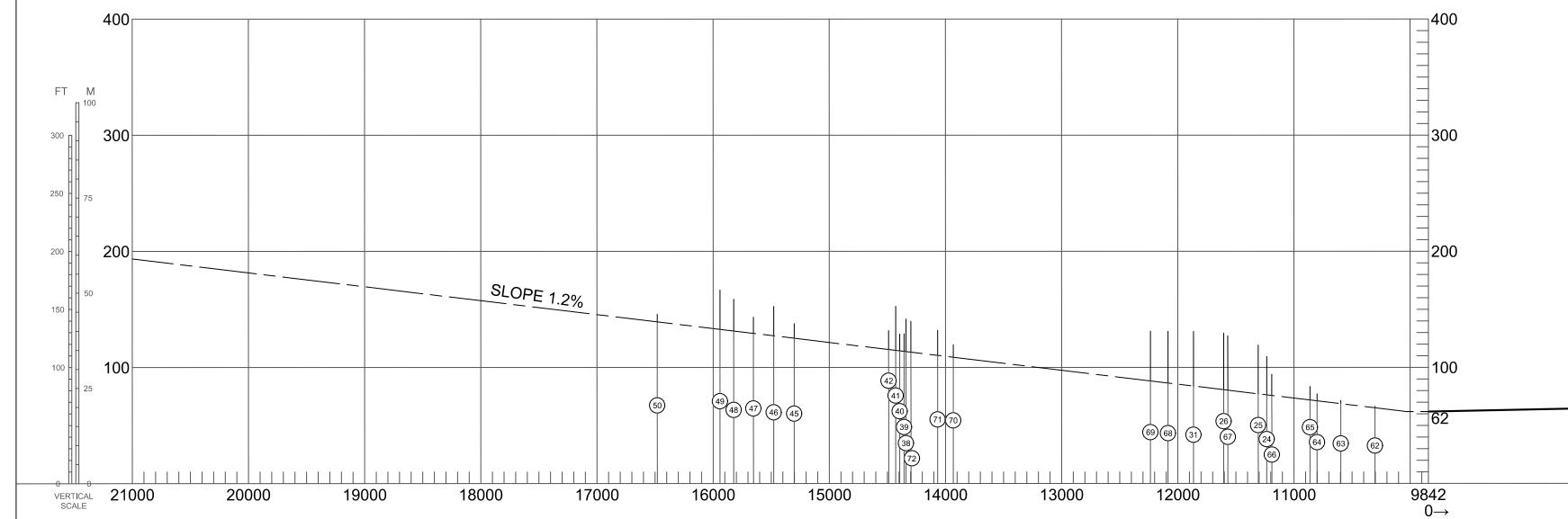


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AERODROME OBSTACLE CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)

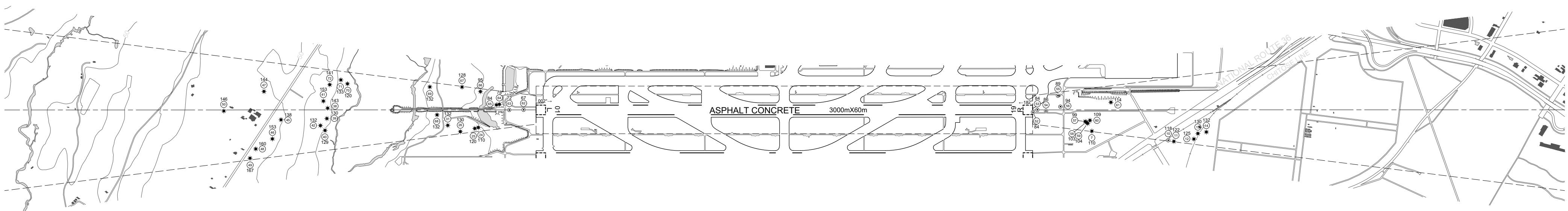
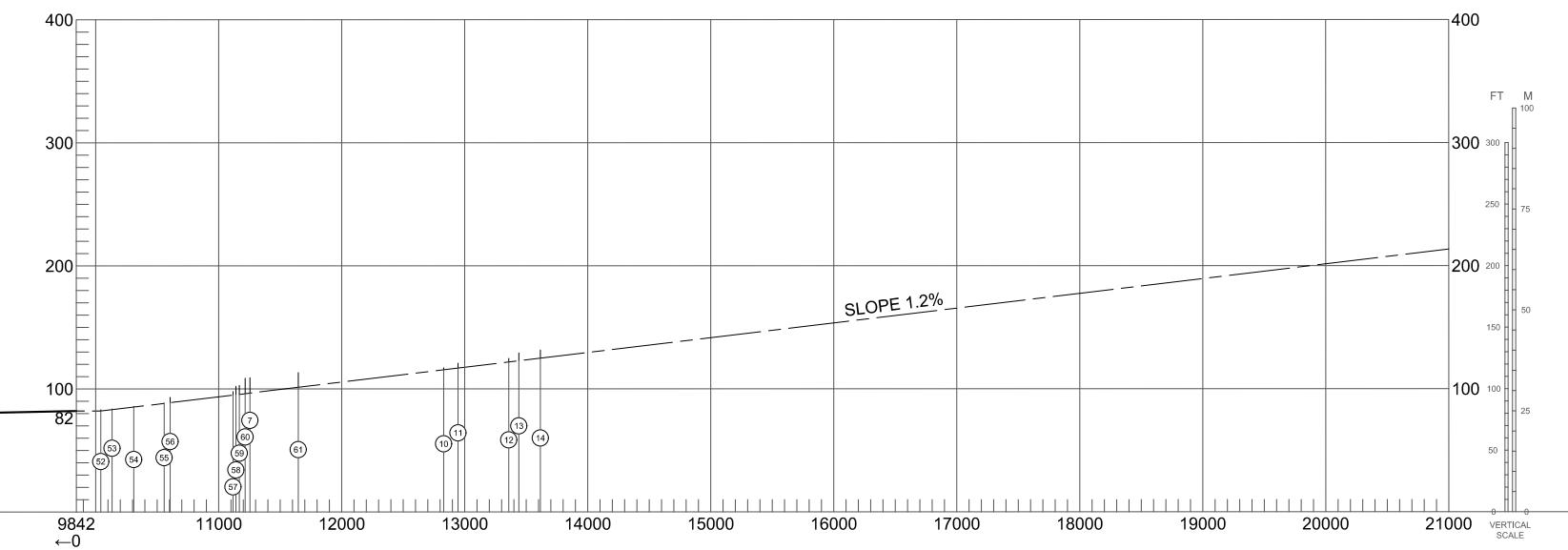
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 9°33' W-APR 2020



NEW CHITOSE AIRPORT  
RWY : 01L/19R

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



CHANGE:Update

AERODROME OBSTACLE CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

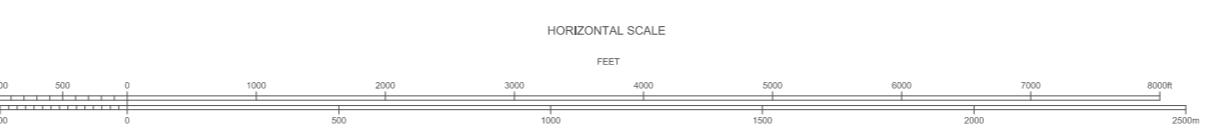
MAGNETIC VARIATION 9°33' W-APR 2020



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



CHANGE:Update

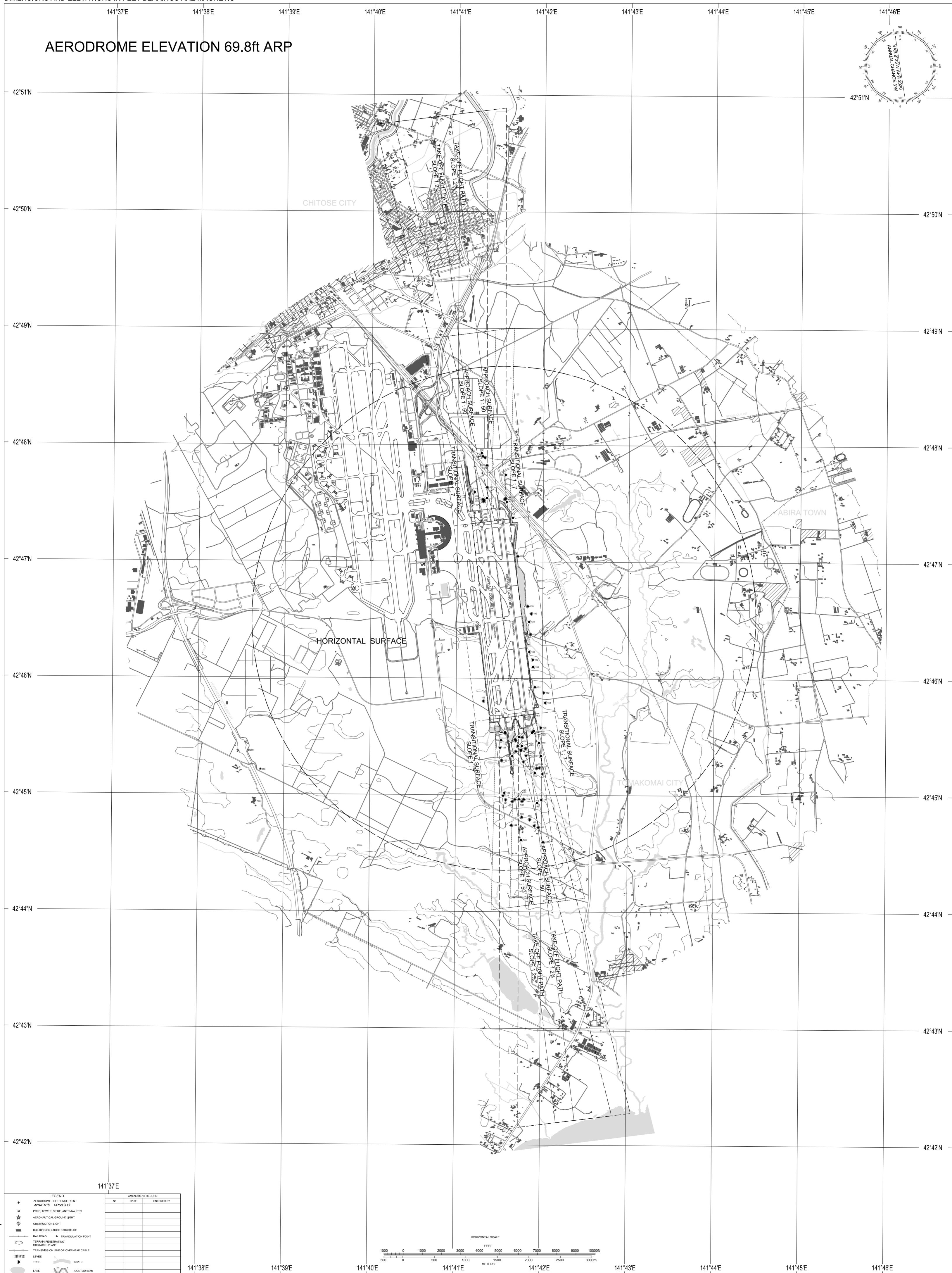


| LEGEND |      | AMENDMENT RECORD |  |
|--------|------|------------------|--|
| Nr     | DATE | ENTERED BY       |  |
|        |      |                  |  |

# AERODROME OBSTACLE CHART-ICAO TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

AERODROME ELEVATION 69.8ft ARP

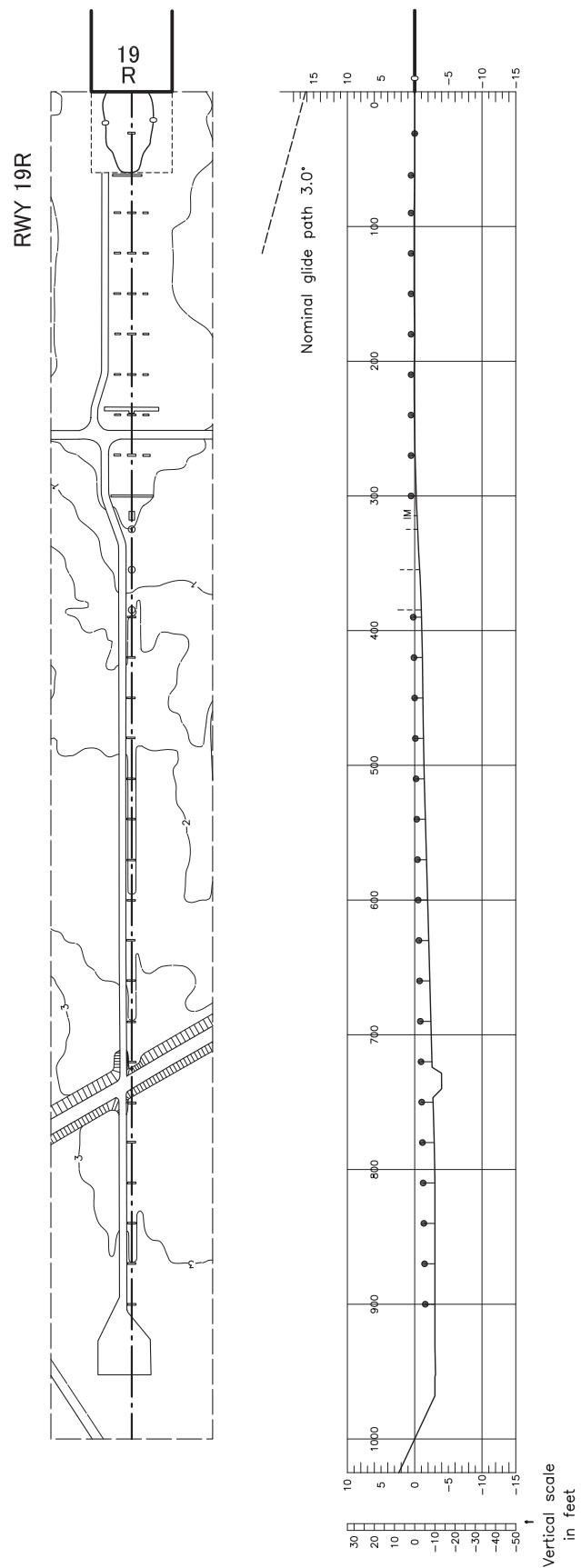


CHANGE:Update

PRECISION APPROACH TERRAIN CHART

DISTANCES AND HEIGHTS IN METRES

PRECISION APPROACH TERRAIN CHART



| LEGEND              |         |
|---------------------|---------|
| CONTOUR             | - - -   |
| CENTER-LINE PROFILE | - - - - |
| APPROACH LIGHTING   | □       |
| ANTENNA             | ○       |

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

Vertical scale  
in feet

STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

CHITOSE FOUR DEPARTURE

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

RWY19R/19L: Climb direct to CHE VOR/DME.

CHITOSE FOUR DEPARTURE



## STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

KURIS SEVEN DEPARTURE

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

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

STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

TOKACHI TWO DEPARTURE

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

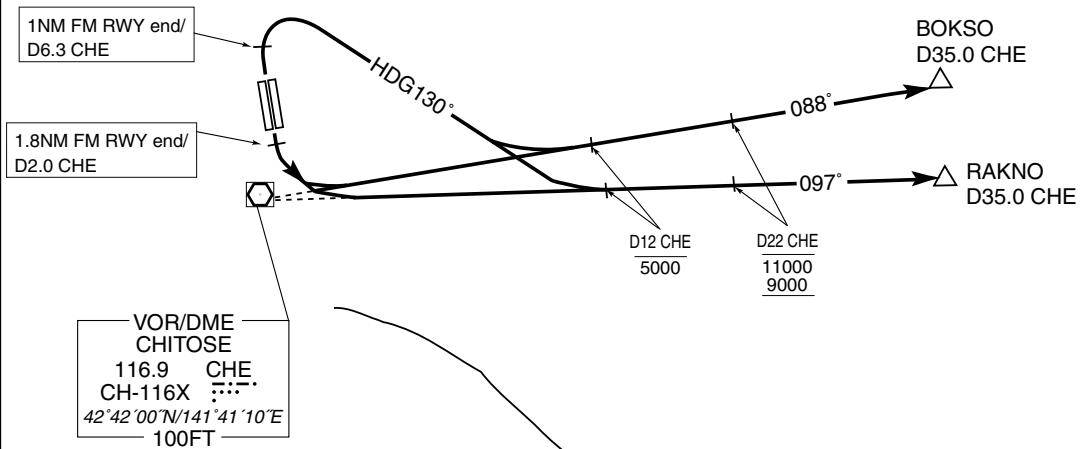
RWY 19R/19L: Climb RWY HDG until 1.8NM FM RWY end/CHE 2.0DME, turn left, via...

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

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

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

TOKACHI TWO DEPARTURE



## STANDARD DEPARTURE CHART-INSTRUMENT

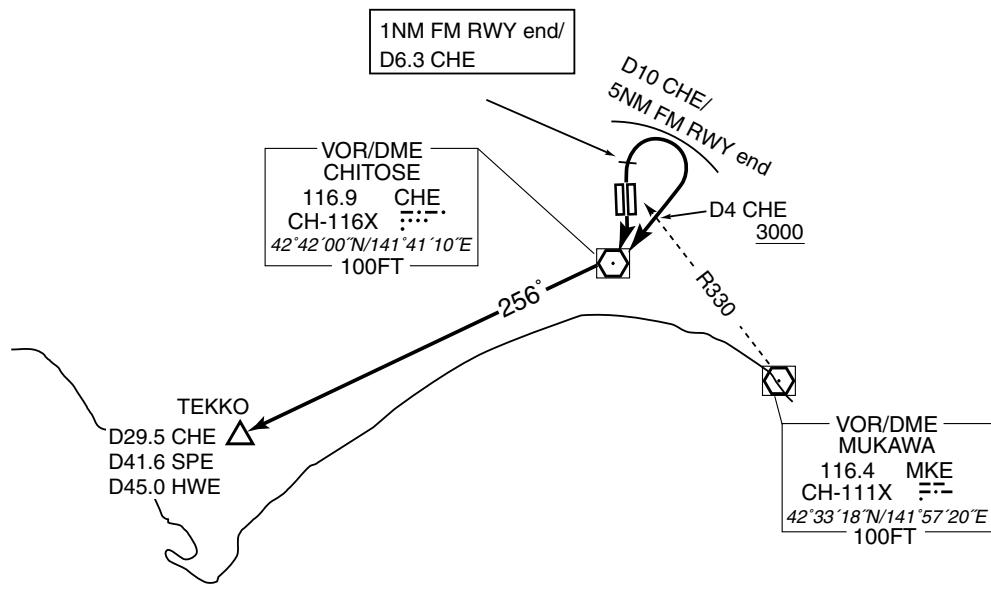
RJCC / NEW CHITOSE

SID

TEKKO ONE DEPARTURE

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

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

TEKKO ONE DEPARTURE

STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

MUKAWA EIGHT DEPARTURE

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

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

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

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

MUKAWA EIGHT DEPARTURE



## STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

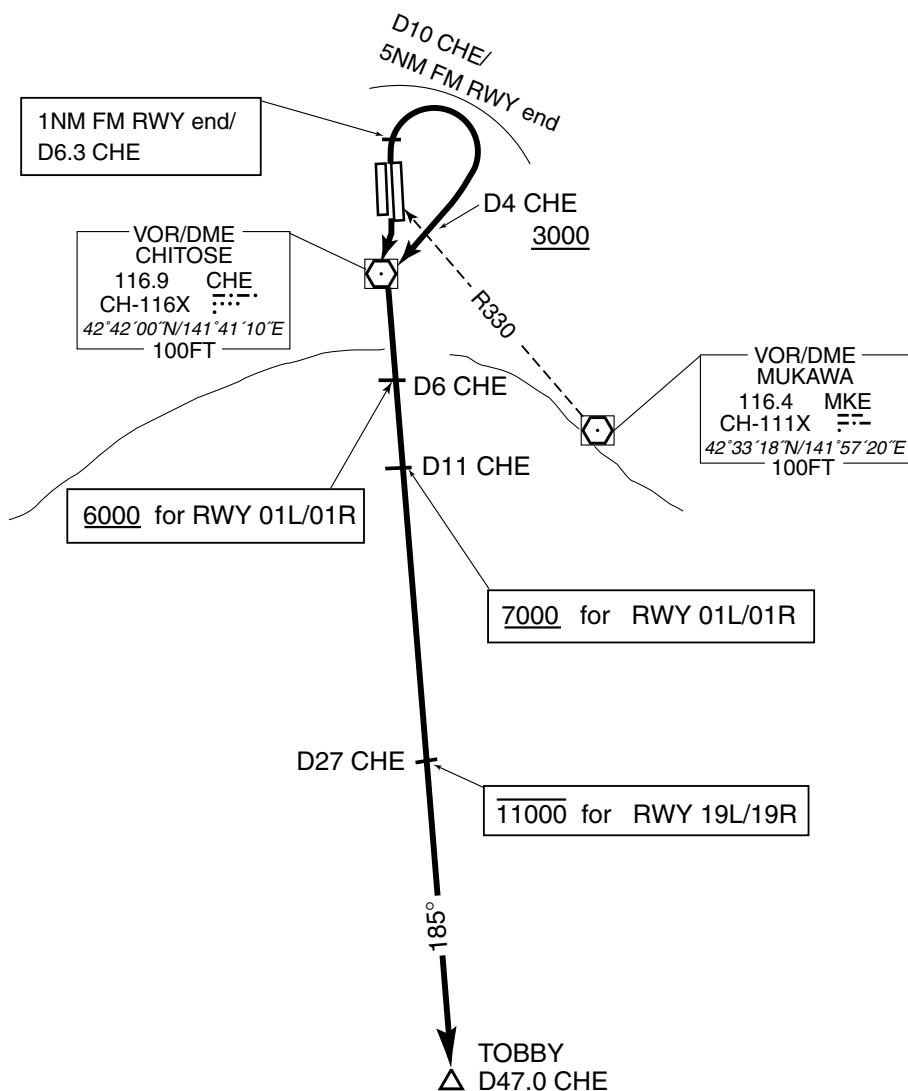
TOBBY EIGHT DEPARTURE

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

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

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

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

TOBBY EIGHT DEPARTURE

STANDARD DEPARTURE CHART-INSTRUMENT

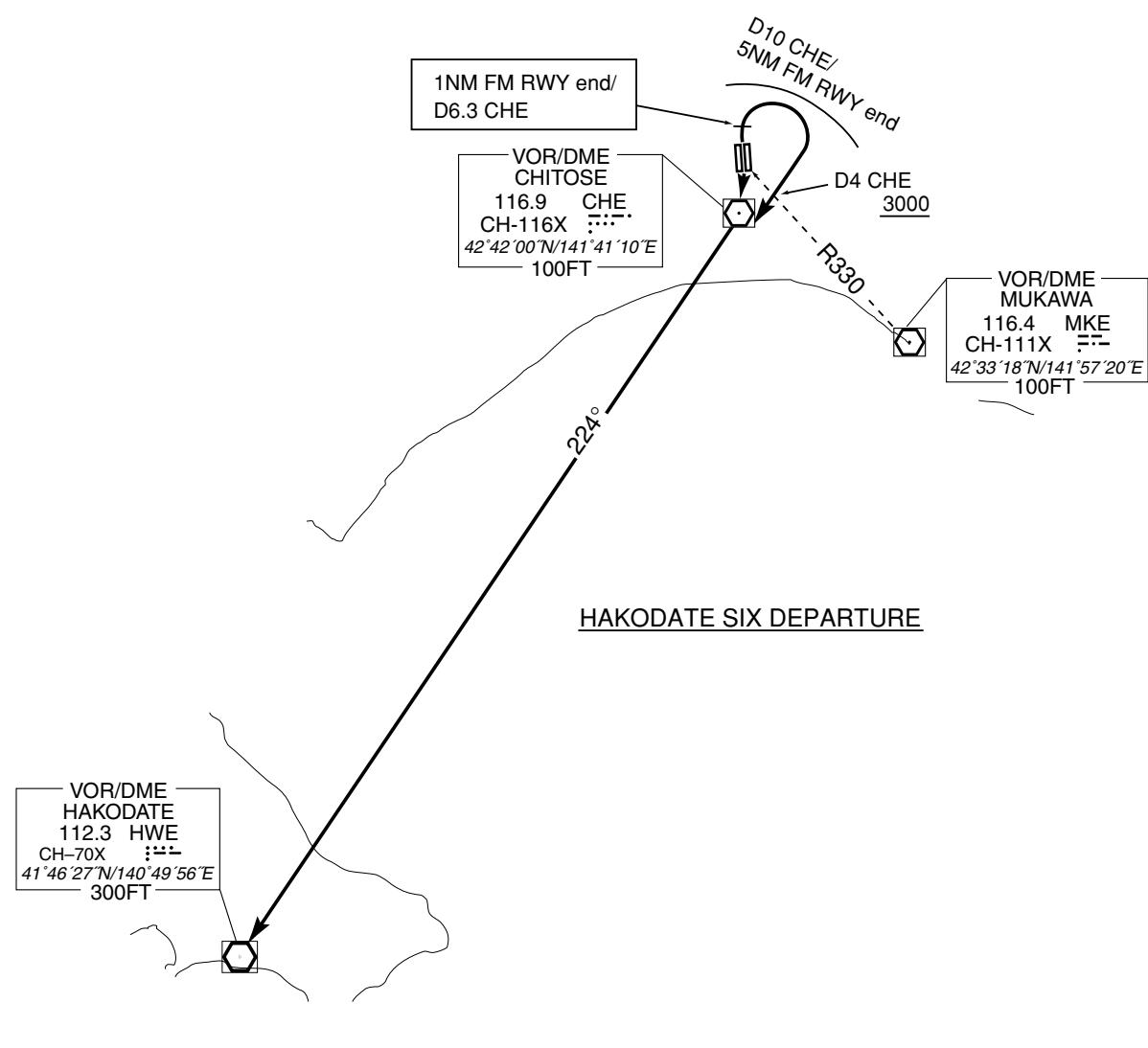
RJCC / NEW CHITOSE

SID

HAKODATE SIX DEPARTURE

**RWY01L/01R:** Climb via RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right, direct to CHE VOR/DME within CHE 10DME (5NM FM RWY end), via CHE R224 to HWE VOR/DME. Cross 4DME prior to CHE VOR/DME (MKE R330) at or above 3000FT.

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



## STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

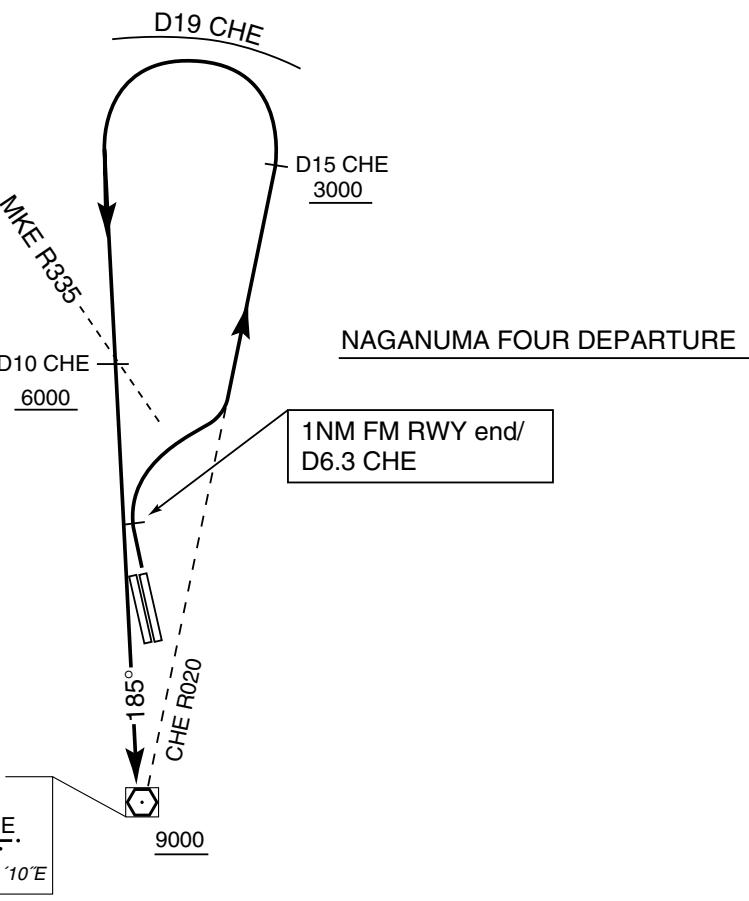
SID

**NAGANUMA FOUR DEPARTURE**

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

Cross CHE R020/15DME at or above 3000FT, cross CHE R005/10DME (MKE R335) at or above 6000FT, cross CHE VOR/DME at or above 9000FT.

**RWY 19R/19L:** Not established.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

YUFUTSU FOUR DEPARTURE

RWY 01L/01R: Not established.

RWY 19R/19L: Climb direct to CHE VOR/DME until 1.5DME prior to CHE VOR/DME (until crossing MKE R320), turn left, via CHE R135 (MKE R315) to MKE VOR/DME or after MKE VOR/DME, via MKE R202 to TOBBY.

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



## STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

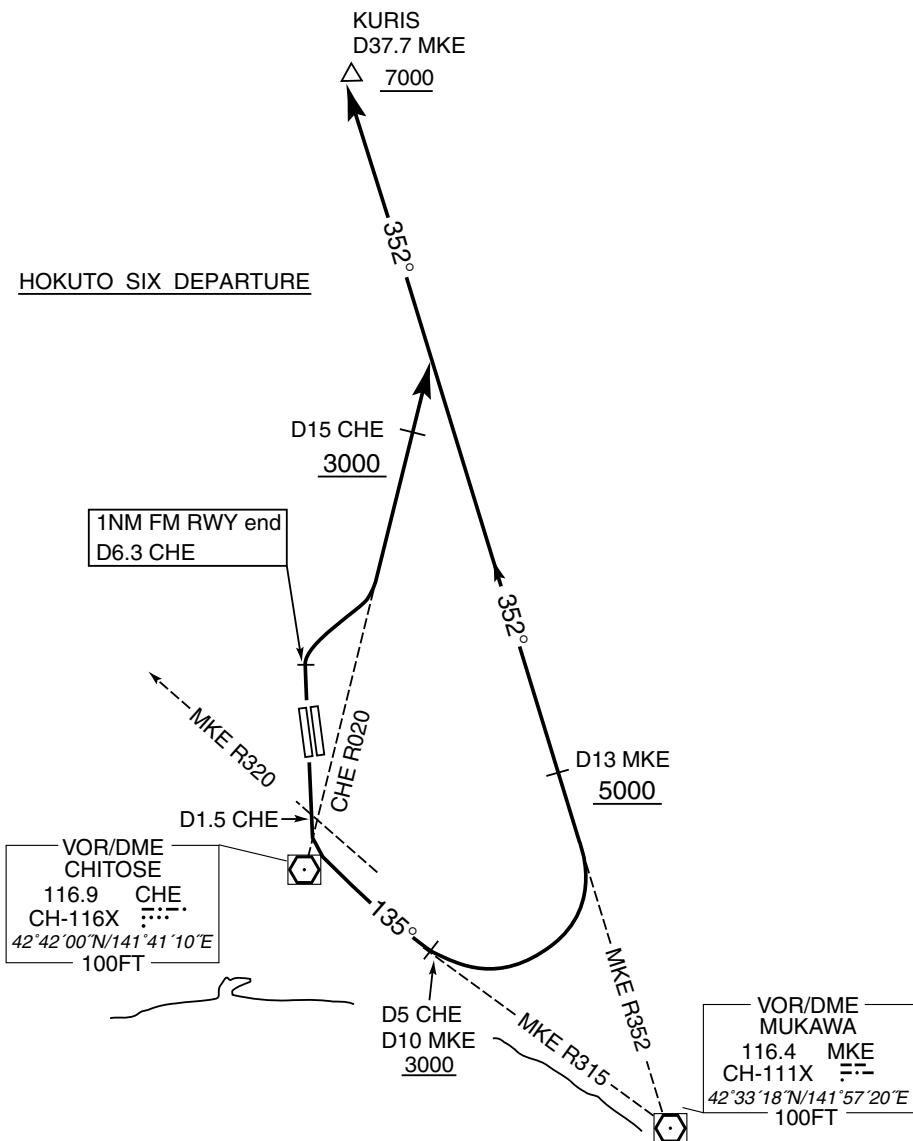
HOKUTO SIX DEPARTURE

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

Cross CHE R020/15DME at or above 3000FT, cross KURIS at or above 7000FT.

RWY 19R/19L: Climb direct to CHE VOR/DME until 1.5DME prior to CHE VOR/DME (until crossing MKE R320), turn left, via CHE R135 (MKE R315) to CHE 5DME (MKE 10DME), turn left, via MKE R352 to KURIS.

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



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

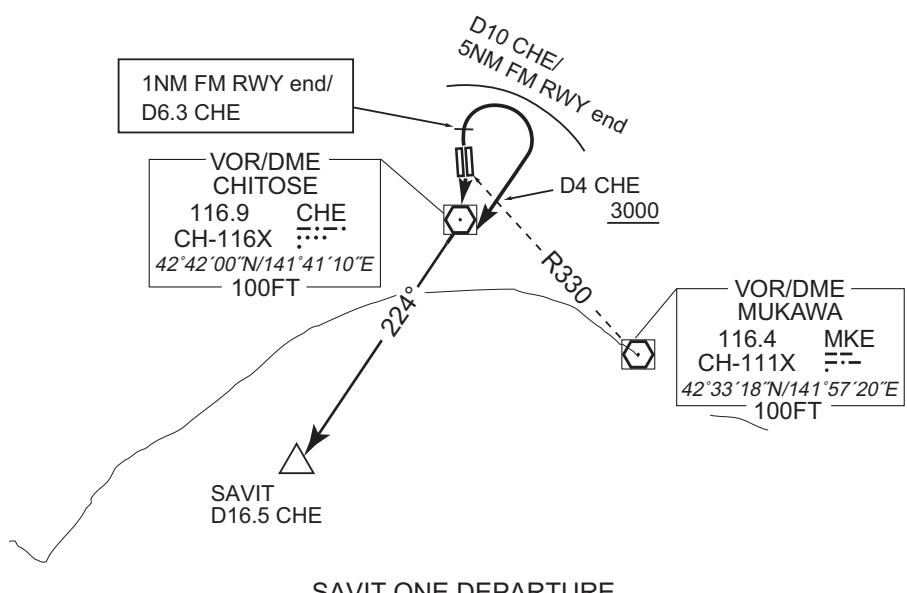
SID

SAVIT ONE DEPARTURE

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

Cross 4DME prior to CHE VOR/DME (MKE R330) at or above 3000FT.

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



CHANGE : New PROC

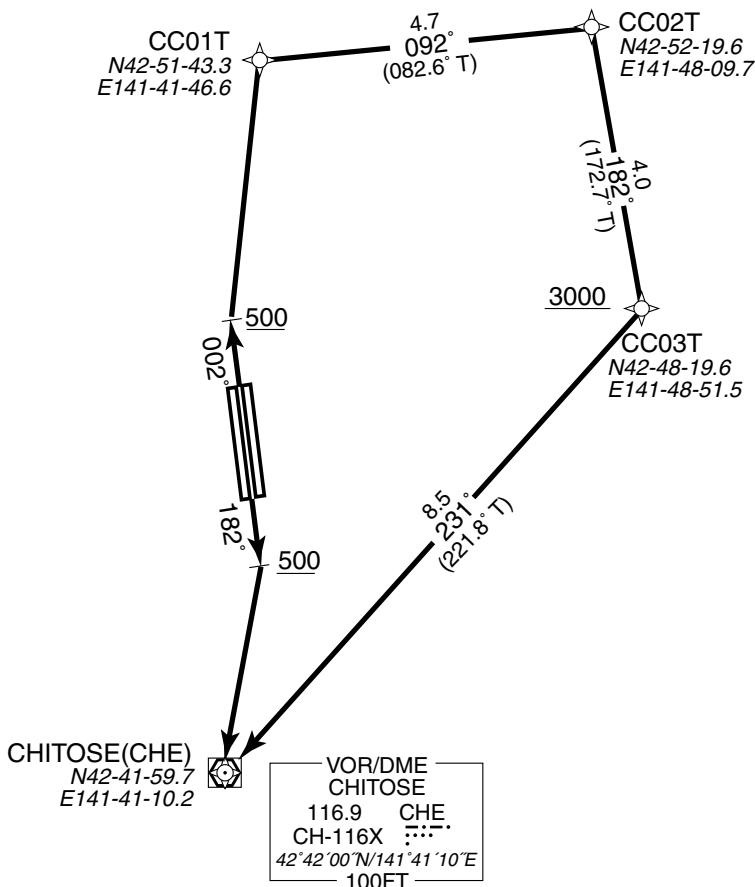
## STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

| SOSHU ONE DEPARTURE   |                       |   | RNAV1 |
|---|-----------------------|---|-------|
| Note 1 ) DME/DME/IRU or GNSS required.<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                               |       |
|   | 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 (2009)



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

SOSHU ONE DEPARTURE

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

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

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

STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

SOSHU ONE DEPARTURE

**RWY01L/01R**

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [M°(T°)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 002<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              | CHITOSE<br>(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              | CHITOSE<br>(CHE)    | —        | —               | -9.1               | —             | —              | —             | —            | —              | RNAV1                    |

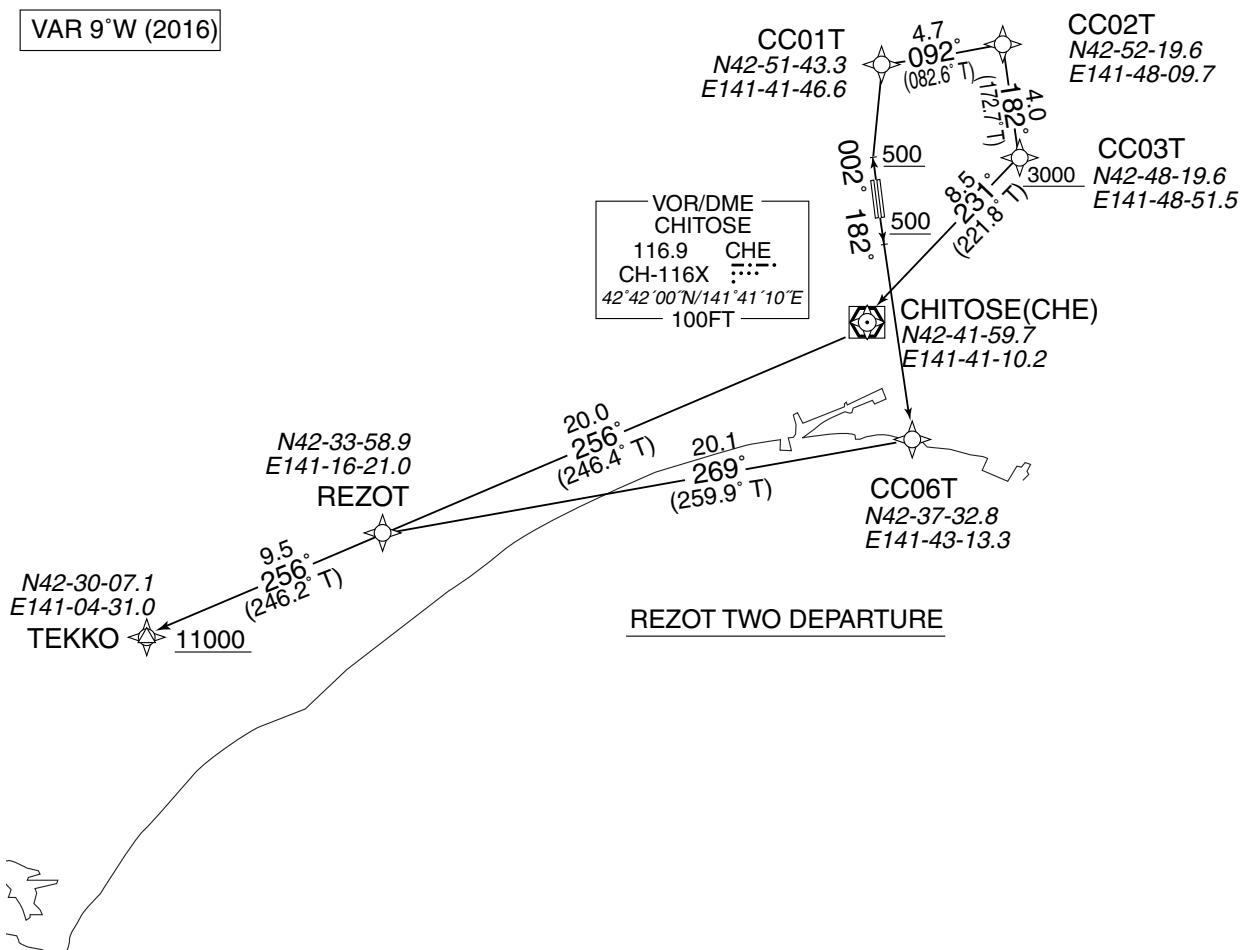
## **STANDARD DEPARTURE CHART -INSTRUMENT**

RJCC / NEW CHITOSE

## RNAV SID

| REZOT TWO DEPARTURE   |  |  | RNAV1   |
|---|--|--|---|
| Note 1 ) DME/DME/IRU or GNSS required.<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><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 |   |
| DME GAP   | RWY01L/01R :<br>DER – 2.0NM FM DER, 3.0NM to CHE – CHE<br>RWY19L/19R :<br>DER – 3.0NM to CC06T | RWY01L/01R, RWY19L/19R<br>SPE : 4.0NM to TEKKO – TEKKO   | Inappropriate Navaids   See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

VAR 9°W (2016)



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

## REZOT TWO DEPARTURE

RWY01L/01R : Climb on HDG002° at or above 500FT, direct to CC01T, to CC02T, to CC03T at or above 3000FT, to CHITOSE(CHE), to REZOT, to TEKKO at or above 11000FT.

RWY19R/19L : Climb on HDG182° at or above 500FT, direct to CC06T, to REZOT, to TEKKO at or above 11000FT.

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

STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

REZOT TWO DEPARTURE

RWY01L/01R

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [M°(T°)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 002<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              | CHITOSE<br>(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                    |

## 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. | Critical DME   | 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<br><br>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 |
| DME GAP   | RWY01L/01R : DER – 2.0NM FM DER<br>CC04T – 4.0NM to CC05T<br>4.0NM to TOBBY – TOBBY<br>RWY19L/19R : DER – 3.0NM to CC06T<br>3.0NM to TOBBY – TOBBY |   |
| Inappropriate Navaids   | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1  |   |

VAR 9°W (2009)

JUGGLAR ONE DEPARTURE

RWY01L/01R : Climb on HDG002° at or above 500FT, direct to CC01T, to CC02T, to CC03T at or above 3000FT, to CC04T at or above 6000FT, to CC05T at or above 7000FT, to TOBBY.

RWY19L/19R : Climb on HDG182° at or above 500FT, direct to CC06T, to CC07T at or below 11000FT, to TOBBY.

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

STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

JUGGLAR ONE DEPARTURE

**RWY01L/01R**

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [M°(T°)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 002<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.<br>2 ) RADAR service required. |  |  | Critical DME  |
| DME GAP   | RWY01L/01R : DER – 2.0NM FM DER<br>RWY19L/19R : DER – 1.0NM to CC02H |  | RWY01L/01R<br>SPE : 7.0NM to KURIS – KURIS<br><br>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 (2009)



## PATRUSH ONE DEPARTURE

RWY01L/01R : Climb on HDG 002° at or above 500FT, direct to CC01N, to CC02N, to CC03N at or above 3000FT, to CC01H, to KURIS.

RWY19L/19R : Climb on HDG 182° at or above 500FT, direct to CC01Y, to CC02Y at or above 3000FT, to CC02H, to CC03H at or above 5000FT, to KURIS.

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

STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

PATRUSH ONE DEPARTURE

**RWY01L/01R**

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [M°(T°)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 002<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                    |

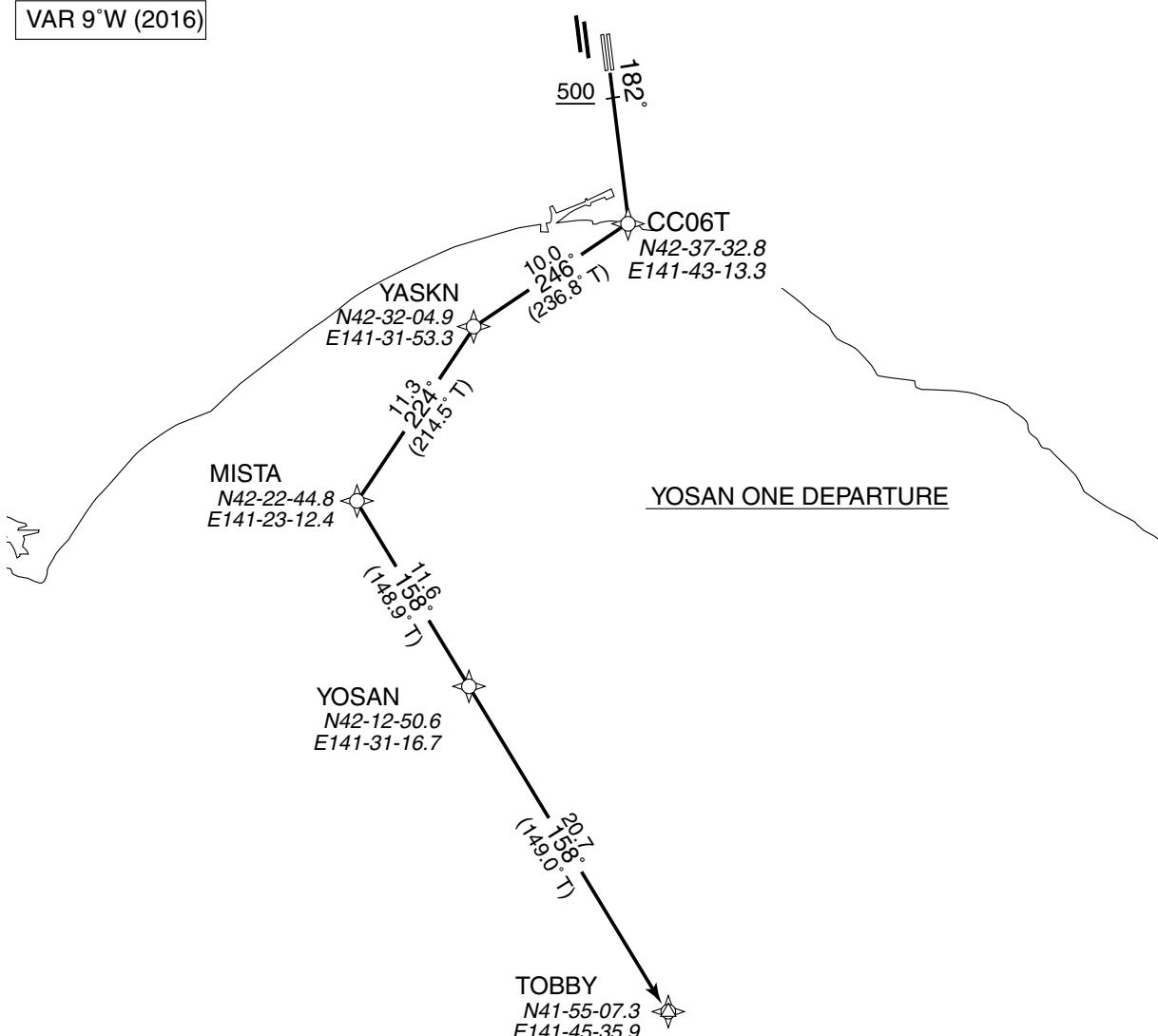
## **STANDARD DEPARTURE CHART -INSTRUMENT**

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.<br>2 ) RADAR service required. | 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 Nav aids  | See AD1.1.6.10.3. Inappropriate NAV AIDs for RNAV1 |  |

VAR 9°W (2016)



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

## YOSAN ONE DEPARTURE

**RWY19R/19L** : Climb on HDG182° at or above 500FT, direct to CC06T, to YASKN, to MISTA, to YOSAN, to TOBBY.

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

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

VAR 10° W(2019)

DALBI ONE DEPARTURE

CHANGE : Correction of misdescription(ZALAR COORD)



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

DALBI ONE DEPARTURE

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

RWY19R/19L : Climb on HDG182° at or above 500FT, direct to NEJIE, to POWAN at or above FL150, to ZALAR, to DALBI.

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

STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

DALBI ONE DEPARTURE

RWY01L/01R

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | -        | 002<br>(352.6) | -9.5               | -             | -              | +500          | -            | -              | RNAV1                    |
| 002           | DF              | CC01T               | -        | —              | -9.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 003           | TF              | CC02T               | -        | 092<br>(082.6) | -9.5               | 4.7           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | CC03T               | -        | 182<br>(172.7) | -9.5               | 4.0           | -              | +3000         | -            | -              | RNAV1                    |
| 005           | TF              | KUGIE               | -        | 225<br>(215.5) | -9.5               | 23.5          | -              | -             | -            | -              | RNAV1                    |
| 006           | TF              | POWAN               | -        | 251<br>(241.4) | -9.5               | 18.8          | -              | +FL150        | -            | -              | RNAV1                    |
| 007           | TF              | ZALAR               | -        | 251<br>(241.1) | -9.5               | 15.8          | -              | -             | -            | -              | RNAV1                    |
| 008           | TF              | DALBI               | -        | 250<br>(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<br>(172.6) | -9.5               | -             | -              | +500          | -            | -              | RNAV1                    |
| 002           | DF              | NEJIE               | -        | —              | -9.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 003           | TF              | POWAN               | -        | 251<br>(241.5) | -9.5               | 30.0          | -              | +FL150        | -            | -              | RNAV1                    |
| 004           | TF              | ZALAR               | -        | 251<br>(241.1) | -9.5               | 15.8          | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | DALBI               | -        | 250<br>(240.9) | -9.5               | 15.8          | -              | -             | -            | -              | RNAV1                    |

CHANGE : New PROC

## STANDARD DEPARTURE CHART-INSTRUMENT

| RJCC / NEW CHITOSE   |                 | RNAV TRANSITION       |  |               |                    |                     |                |               |                    |                |                          |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
|--|-----------------|-----------------------|--|---------------|--------------------|---------------------|----------------|---------------|--------------------|----------------|--------------------------|---------------|--------------|----------------|--------------------------|-----|----|-------|---|---|------|---|---|---|---|---|-------|-----|----|-------|---|-------------|------|------|---|--------|---|---|-------|-----|----|-------|---|-------------|------|------|---|---|---|---|-------|-----|----|-------|---|-------------|------|------|---|---|---|---|-------|-----|----|-------|---|-------------|------|------|---|---|---|---|-------|
| PANSY TRANSITION/BUTOS TRANSITION  |                 |                       |  |               |                    |                     |                |               |                    |                |                          |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
| 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 |               |                    |                     |                |               |                    |                |                          |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
|  |                 |                       |  |               |                    |                     |                |               |                    |                |                          |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
| <b>PANSY TRANSITION</b><br>From TOBBY, to NOHEY at or above FL250, to APIOS, to PANSY.   |                 |                       |  |               |                    |                     |                |               |                    |                |                          |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
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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              | 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                    |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
| <b>BUTOS TRANSITION</b><br>From TOBBY, to NOHEY at or above FL250, to APIOS, to PANSY, to BUTOS.   |                 |                       |  |               |                    |                     |                |               |                    |                |                          |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
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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              | 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 : New PROC

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 |               |                 |                     |               |                |                    |               |                |                          |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
| <div style="border: 1px solid black; padding: 2px;">VAR 10° W(2019)</div>   |                       |   |               |                 |                     |               |                |                    |               |                |                          |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
| <b>SHUYU TRANSITION</b>   |                       |   |               |                 |                     |               |                |                    |               |                |                          |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |        |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
| <p>From SAVIT, to POWAN at or above FL150, to ZALAR, to DALBI.</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>SAVIT</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>POWAN</td> <td>-</td> <td>251 (241.3)</td> <td>-9.5</td> <td>17.3</td> <td>-</td> <td>+FL150</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> <tr> <td>003</td> <td>TF</td> <td>ZALAR</td> <td>-</td> <td>251 (241.1)</td> <td>-9.5</td> <td>15.8</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> <tr> <td>004</td> <td>TF</td> <td>DALBI</td> <td>-</td> <td>250 (240.9)</td> <td>-9.5</td> <td>15.8</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 | 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 |
| 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 : New PROC

## 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 |               |                 |                     |               |                |                    |               |                |                          |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
| <div style="border: 1px solid black; padding: 2px;">VAR 10° W(2019)</div> <p><b>FUNKA TRANSITION</b></p>  |                       |   |               |                 |                     |               |                |                    |               |                |                          |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
| <b>FUNKA TRANSITION</b><br>From TEKKO, to FUNKA, to DALBI.  |                       |   |               |                 |                     |               |                |                    |               |                |                          |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |
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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                    | 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                    |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |

CHANGE : Critical DME

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

STAR

YUKII WEST ARRIVAL

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

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

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

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

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

YUKII EAST ARRIVAL

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

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

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

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

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



## STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

STAR

CHITOSE NR.1 ARRIVAL

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

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

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

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

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

YUBARI ARRIVAL

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

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

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

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

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

KURIS NR.1 ARRIVAL

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

Cross ISIYA at or above 3000FT.

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

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

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

STAR



**STANDARD ARRIVAL CHART-INSTRUMENT**

RJCC / NEW CHITOSE

STAR

**CHITOSE NR.2 ARRIVAL**

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

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

**NAPRO EAST ARRIVAL**

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

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

**KURIS NR.2 ARRIVAL**

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

STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

STAR

STARs for ILS Y or LOC Y RWY19L

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

SPE R103  
SPE R130

KURIS NR.2 ARRIVAL

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

D17.7 SPE ARC

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

3000'

D31.2 MKE ARC  
D30.0 MKE  
5000

NAPRO EAST ARRIVAL

D25.0 MKE  
7000

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

CHE R201

MKE R241

CHITOSE NR.2  
ARRIVAL

045°

096°

280°

100°

D13.0 MKE  
12000

MHA 3000  
MAX 230KIAS

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

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

## STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY01L

BAMBI SOUTH ARRIVAL  
BAMBI NORTH ARRIVAL

RNAV 1

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

2 ) RADAR service required.

VAR 9° W(2016)



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<br>(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<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              | BAMBI               | —        | 272<br>(262.8)  | -9.3               | 6.2           | —              | +2000         | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY01R

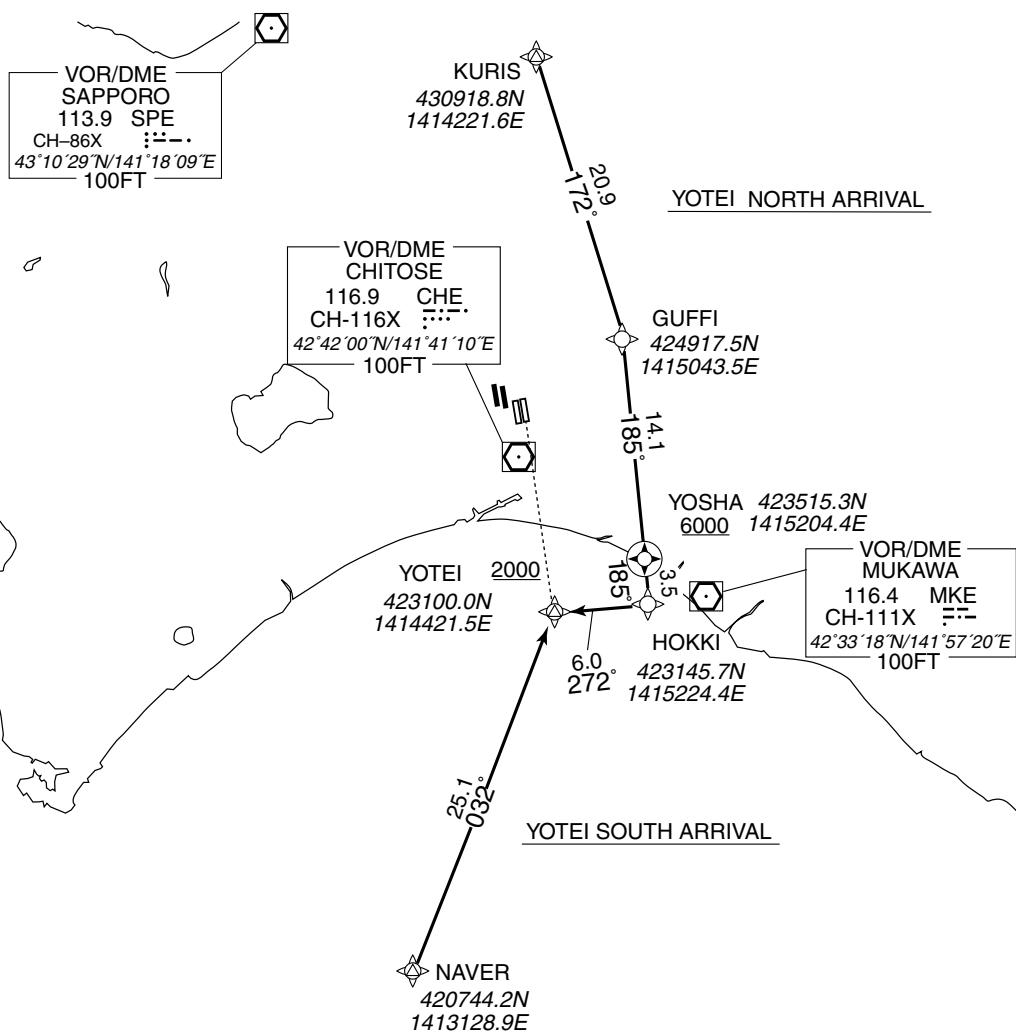
YOTEI SOUTH ARRIVAL  
YOTEI NORTH ARRIVAL

RNAV 1

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

2 ) RADAR service required.

VAR 9° W(2016)



STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY01R



YOTEI SOUTH ARRIVAL

From NAVER, to YOTEI at or above 2000FT.

|                       |   |
|-----------------------|---|
| Critical DME          | CHE, MKE : 19.0NM to YOTEI - YOTEI                |
| DME GAP               | NAVER - 19.0NM to YOTEI                           |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | NAVER               | —        | —              | -9.3               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | YOTEI               | —        | 032<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

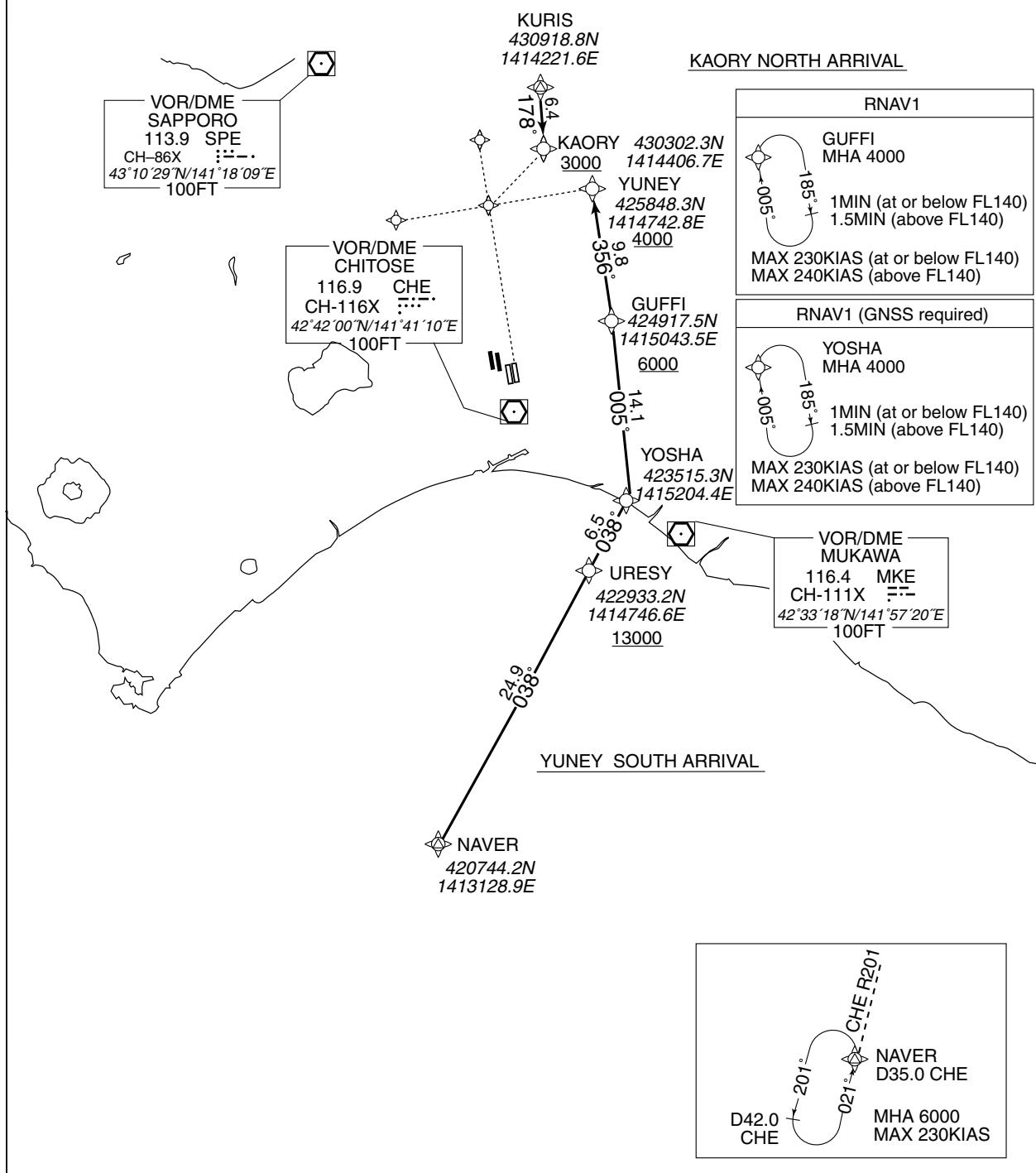
YUNNEY SOUTH ARRIVAL  
KAORY NORTH ARRIVAL

RNAV 1

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

2 ) RADAR service required.

VAR 9° W(2016)



STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

| <b>YUNEY SOUTH ARRIVAL</b>   |  |                       |                    |                            |  |                       |                       |                              |                          |                |                          |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
|--|--|-----------------------|--------------------|----------------------------|--|-----------------------|-----------------------|------------------------------|--------------------------|----------------|--------------------------|---------------|---------------------|-----------------------|---|---------------------|--------------------|-----------------------|-----------------------|---------------|--------------------------|----------------|--------------------------|-----------------------|---|----------------------------|---|------|------|------------------------------|-------|------|-------|-------------|-------|----------------------------|----|-------|---|------------------------------|-------|------|---|--------|---|---|-------|-----|----|-------|---|-------------|------|-----|---|---|---|---|-------|-----|----|-------|---|-------------|------|------|---|-------|---|---|-------|-----|----|-------|---|-------------|------|-----|---|-------|---|---|-------|
| From NAVER, to URESY at or above 13000FT, to YOSHA, to GUFFI at or above 6000FT, to YUNEY at or above 4000FT.  |  |                       |                    |                            |  |                       |                       |                              |                          |                |                          |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
| <table border="1"> <tr> <td>Critical DME</td> <td>CHE : 18.5NM to URESY - 15.5NM to URESY<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  |                       |                    |                            |  |                       |                       |                              |                          |                |                          |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
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| Serial Number  | Path Descriptor  | Waypoint Identifier   | Fly Over           | Course °M(°T)              | Magnetic Variation   | Distance (NM)         | Turn Direction        | Altitude (FT)                | Speed (KIAS)             | Vertical Angle | Navigation Specification |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
| 001  | IF   | NAVER                 | —                  | —                          | -9.3   | —                     | —                     | —                            | —                        | —              | RNAV1                    |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
| 002  | TF   | URESY                 | —                  | 038 (028.8)                | -9.3   | 24.9                  | —                     | +13000                       | —                        | —              | RNAV1                    |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
| 003  | TF   | YOSHA                 | —                  | 038 (029.0)                | -9.3   | 6.5                   | —                     | —                            | —                        | —              | RNAV1                    |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
| 004  | TF   | GUFFI                 | —                  | 005 (356.0)                | -9.3   | 14.1                  | —                     | +6000                        | —                        | —              | RNAV1                    |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
| 005  | TF   | YUNEY                 | —                  | 356 (346.9)                | -9.3   | 9.8                   | —                     | +4000                        | —                        | —              | RNAV1                    |               |                     |                       |   |                     |                    |                       |                       |               |                          |                |                          |                       |   |                            |   |      |      |                              |       |      |       |             |       |                            |    |       |   |                              |       |      |   |        |   |   |       |     |    |       |   |             |      |     |   |   |   |   |       |     |    |       |   |             |      |      |   |       |   |   |       |     |    |       |   |             |      |     |   |       |   |   |       |
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| 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(2016)



## STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

## KAORY ALFA ARRIVAL

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

|                       |   |
|-----------------------|---|
| Critical DME          | SPE: C9R55 - KAORY<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 (036.6)   | -9.3               | 20.8          | -              | +13000        | -            | -              | RNAV1                    |
| 003           | TF              | MKE                 | -        | 046 (036.8)   | -9.3               | 11.2          | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | C9R52               | -        | 360 (350.9)   | -9.3               | 13.0          | -              | +12000        | -            | -              | RNAV1                    |
| 005           | TF              | C9R53               | -        | 360 (350.9)   | -9.3               | 7.8           | -              | -             | -            | -              | RNAV1                    |
| 006           | TF              | C9R54               | -        | 360 (350.9)   | -9.3               | 4.2           | -              | -7000         | -            | -              | RNAV1                    |
| 007           | TF              | C9R55               | -        | 360 (350.9)   | -9.3               | 8.7           | -              | +5000         | -            | -              | RNAV1                    |
| 008           | TF              | KAORY               | -        | 240 (230.8)   | -9.3               | 5.6           | -              | +3000         | -            | -              | RNAV1                    |

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

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

KAORY BRAVO ARRIVAL

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

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

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | CHE                 | —        | —              | -9.3               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | C9R53               | —        | 045<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(2016)

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°  
500  
14.1  
YOSHA  
 $423515.3N$   
 $1415204.4E$   
6000  
185°  
005°  
85°  
YOSHA  
 $423515.3N$   
 $1415204.4E$   
MAX 230KIAS (at or below FL140)  
MAX 240KIAS (above FL140)

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

RNAV1 (GNSS required)  
YOSHA  
MHA 4000  
1MIN (at or below FL140)  
1.5MIN (above FL140)  
MAX 230KIAS (at or below FL140)  
MAX 240KIAS (above FL140)

URESY  
 $422933.2N$   
 $1414746.6E$   
13000  
038°  
24.9°  
NAVER ARRIVAL

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

NAVER  
 $420744.2N$   
 $1413128.9E$

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

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 (028.8)   | -9.3               | 24.9          | —              | +13000        | —            | —              | RNAV1                    |
| 003           | TF              | YOSHA               | —        | 038 (029.0)   | -9.3               | 6.5           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | GUFFI               | —        | 005 (356.0)   | -9.3               | 14.1          | —              | +6000         | —            | —              | RNAV1                    |
| 005           | TF              | YOHCK               | —        | 356 (346.9)   | -9.3               | 11.2          | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | KAORY               | —        | 330 (320.9)   | -9.3               | 3.7           | —              | +3000         | —            | —              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | GUFFI               | 005 (356.0)           | -9.3               | 1.0(-14000)<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

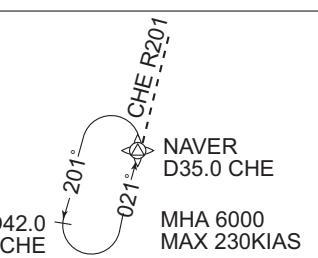
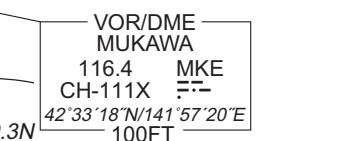
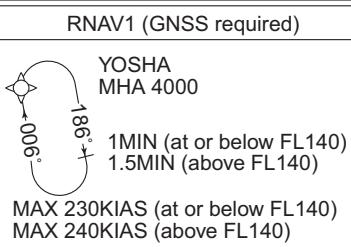
## YUNEY EAST ARRIVAL

RNAV 1

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

2 ) RADAR service required.

VAR 10° W(2019)



CHANGE : New PROC

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

YUNEY EAST ARRIVAL

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

|                       |   |
|-----------------------|---|
| Critical DME          | CHE : 10.0NM to GUFFI - GUFFI<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

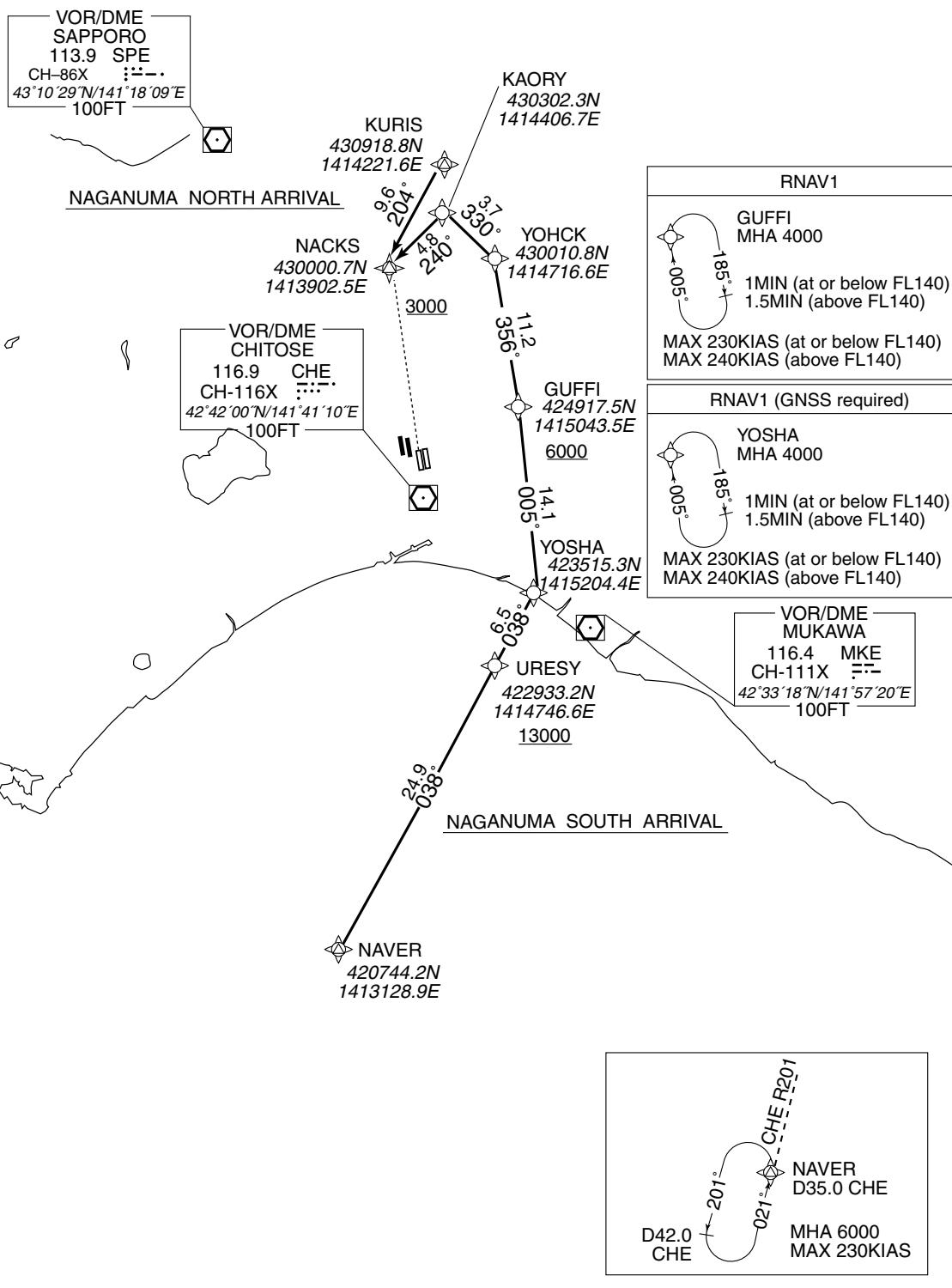
NAGANUMA SOUTH ARRIVAL  
NAGANUMA NORTH ARRIVAL

RNAV 1

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

2 ) RADAR service required.

VAR 9° W(2016)



STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19R

NAGANUMA SOUTH ARRIVAL

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

|                       |   |
|-----------------------|---|
| Critical DME          | CHE : 18.5NM to URESY - 15.5NM to URESY<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

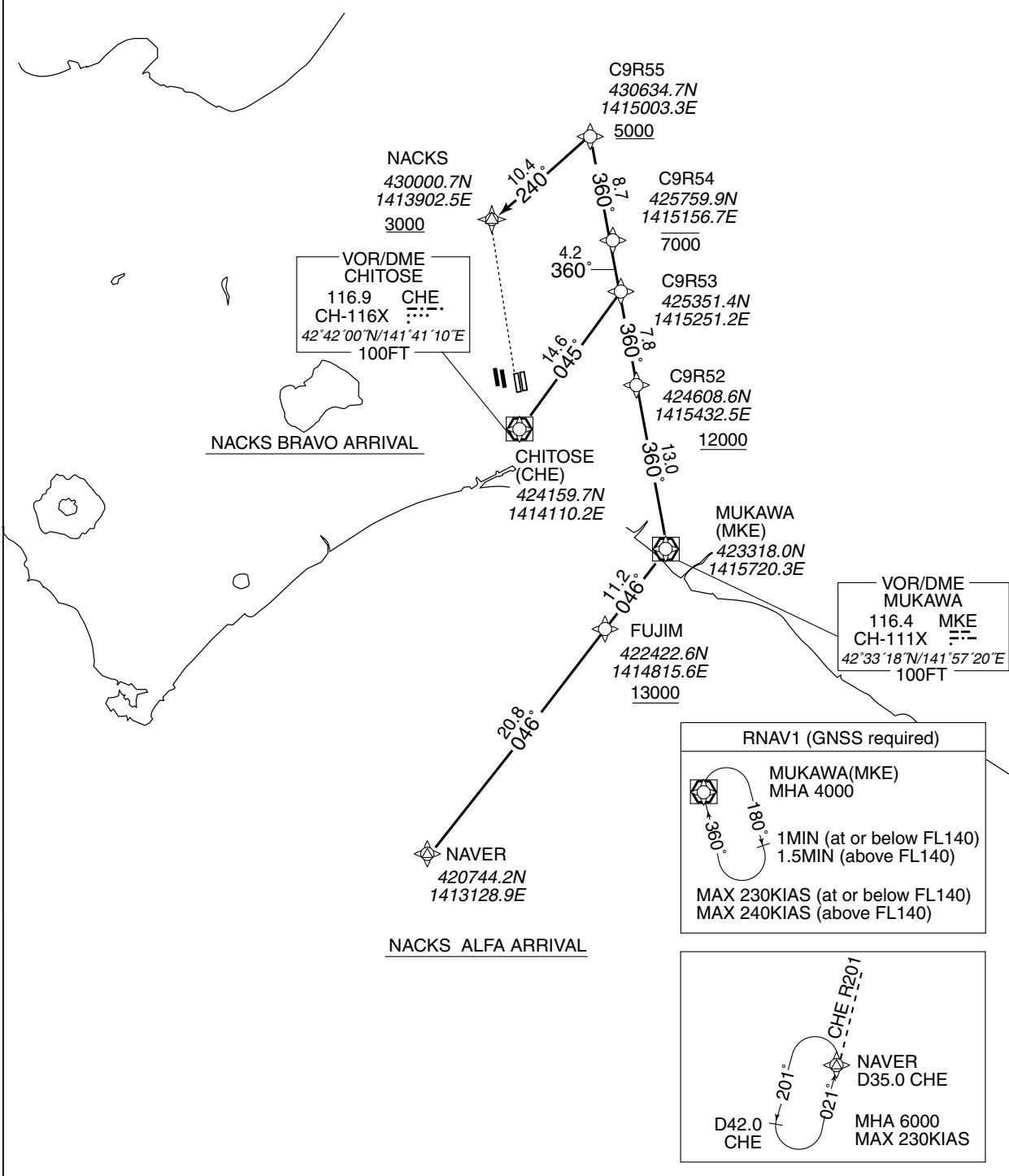
NACKS ALFA ARRIVAL  
NACKS BRAVO ARRIVAL

RNAV 1

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

2 ) RADAR service required.

VAR 9° W(2016)



STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19R

NACKS ALFA ARRIVAL

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

|                       |   |
|-----------------------|---|
| Critical DME          | SPE : C9R55 - NACKS<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 (036.6)   | -9.3               | 20.8          | —              | +13000        | —            | —              | RNAV1                    |
| 003           | TF              | MKE                 | —        | 046 (036.8)   | -9.3               | 11.2          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | C9R52               | —        | 360 (350.9)   | -9.3               | 13.0          | —              | +12000        | —            | —              | RNAV1                    |
| 005           | TF              | C9R53               | —        | 360 (350.9)   | -9.3               | 7.8           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | C9R54               | —        | 360 (350.9)   | -9.3               | 4.2           | —              | -7000         | —            | —              | RNAV1                    |
| 007           | TF              | C9R55               | —        | 360 (350.9)   | -9.3               | 8.7           | —              | +5000         | —            | —              | RNAV1                    |
| 008           | TF              | NACKS               | —        | 240 (230.8)   | -9.3               | 10.4          | —              | +3000         | —            | —              | RNAV1                    |

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

## STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19R

NACKS BRAVO ARRIVAL

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

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

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | CHE                 | —        | —              | -9.3               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | C9R53               | —        | 045<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



## INSTRUMENT APPROACH CHART

## RJCC / NEW CHITOSE

## ILS Y or LOC Y RWY01L



INSTRUMENT APPROACH CHART



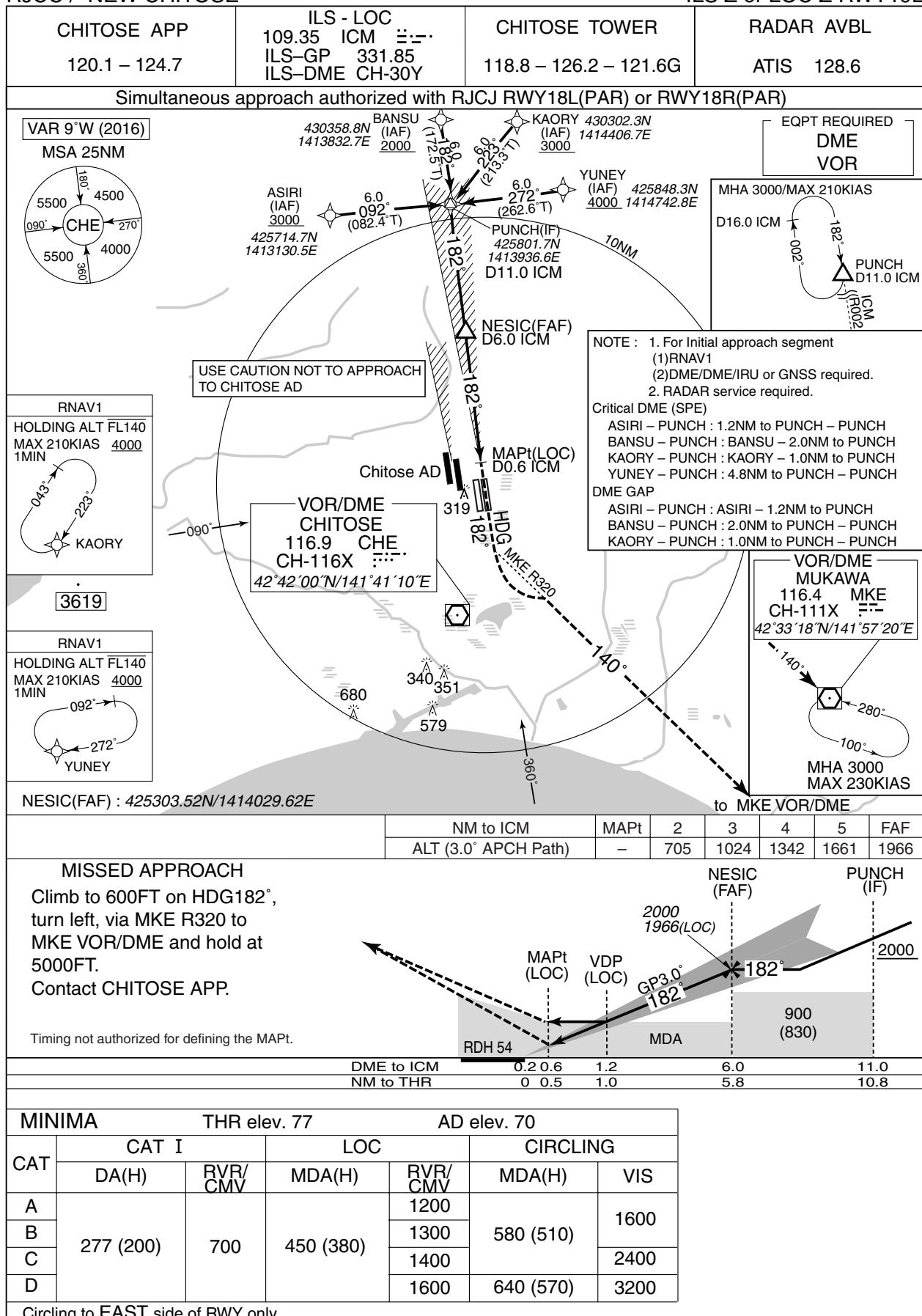
## INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

ILS Z or LOC Z RWY19L



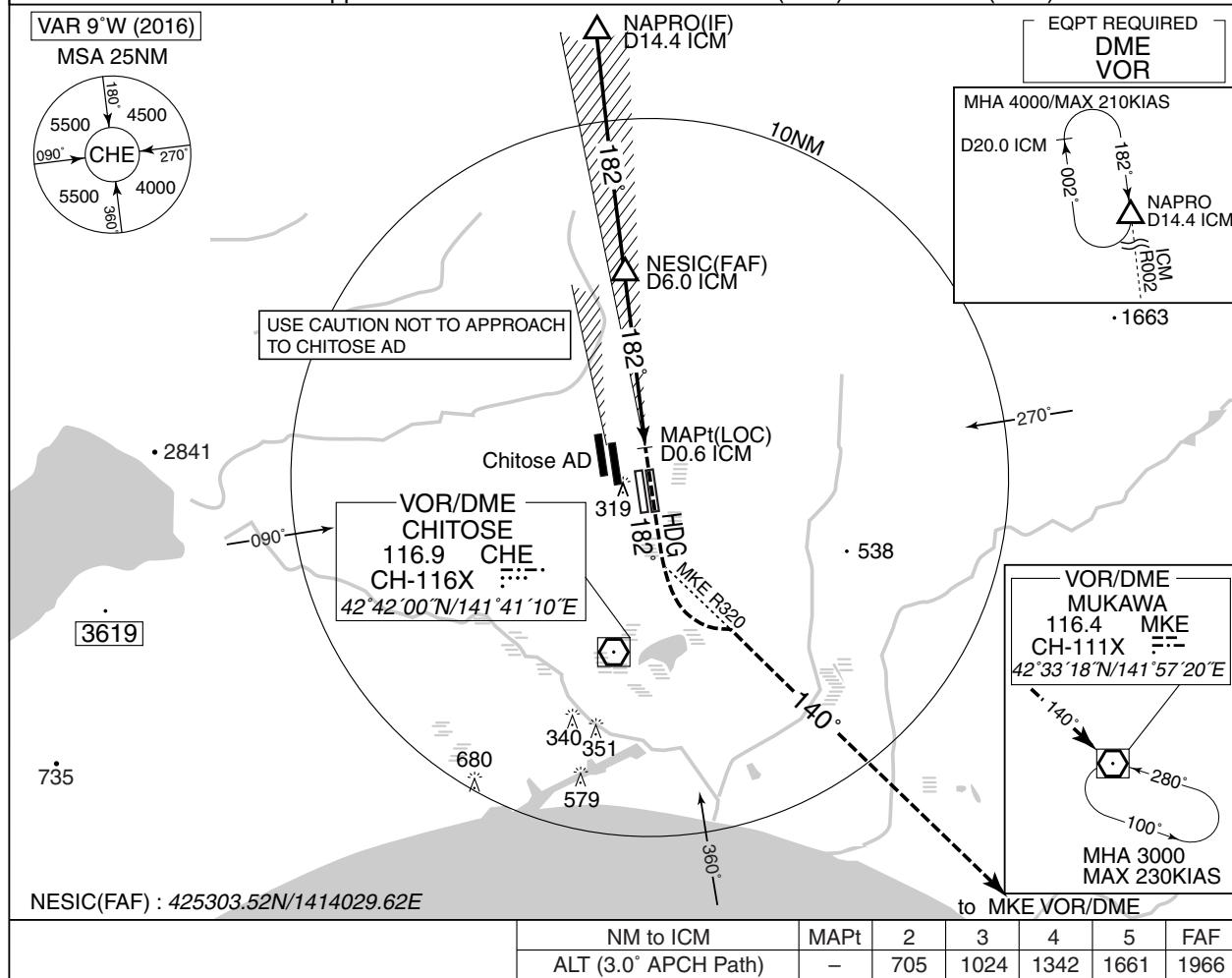
## INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

ILS Y or LOC Y RWY19L

|                              |   |   |                          |
|------------------------------|---|---|--------------------------|
| CHITOSE APP<br>120.1 – 124.7 | ILS - LOC<br>109.35 ICM E-<br>ILS-GP 331.85<br>ILS-DME CH-30Y | 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)

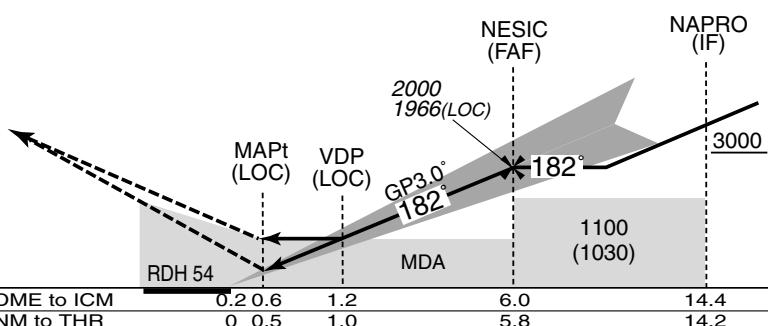


#### MISSED APPROACH

Climb to 600FT on HDG182°,  
turn left, via MKE R320 to  
MKE VOR/DME and hold at

5000FT.  
Contact CHILOE 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) |      |

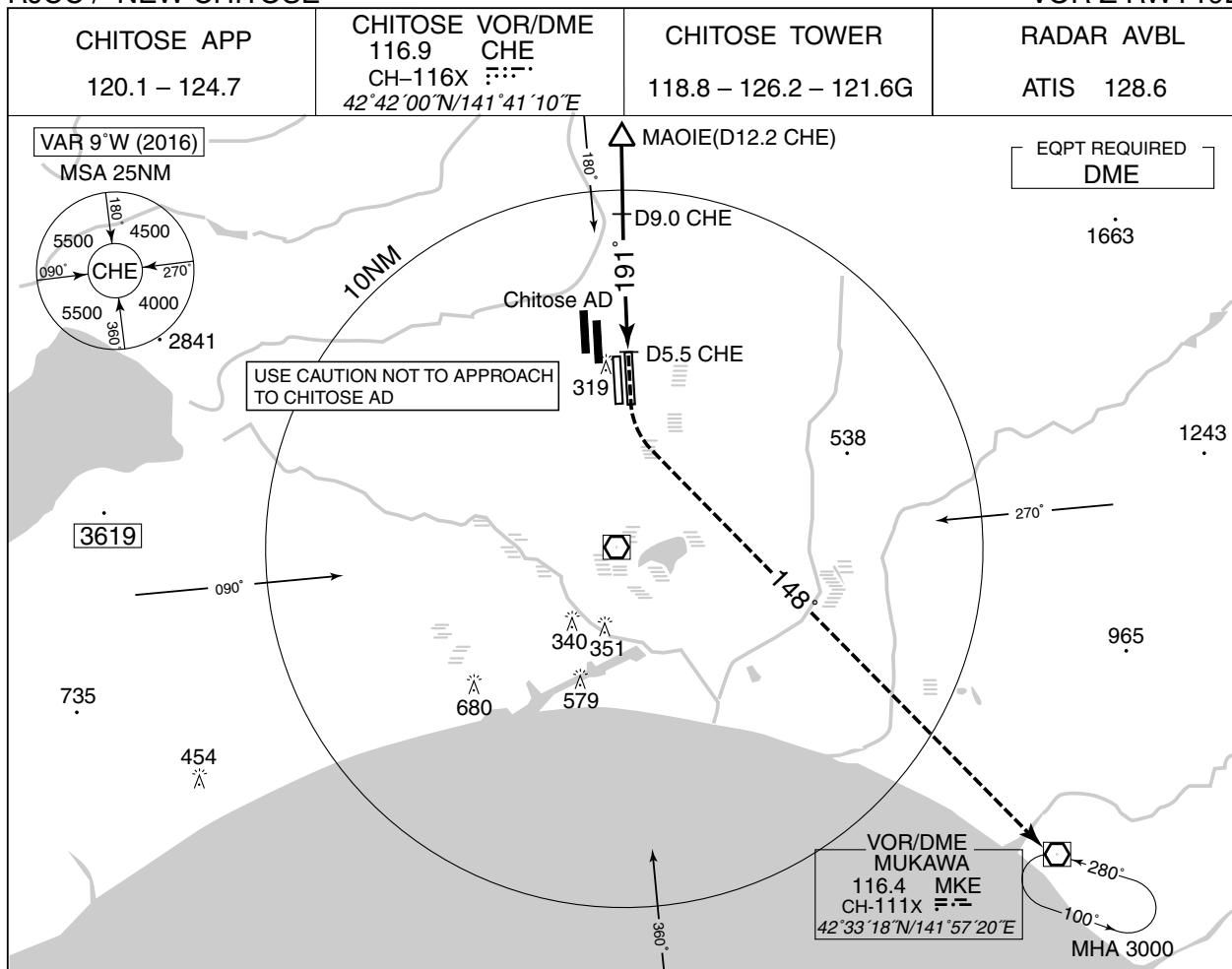
Circling to EAST side of RWY only.



## INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

VOR Z RWY19L



## MISSSED APPROACH

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



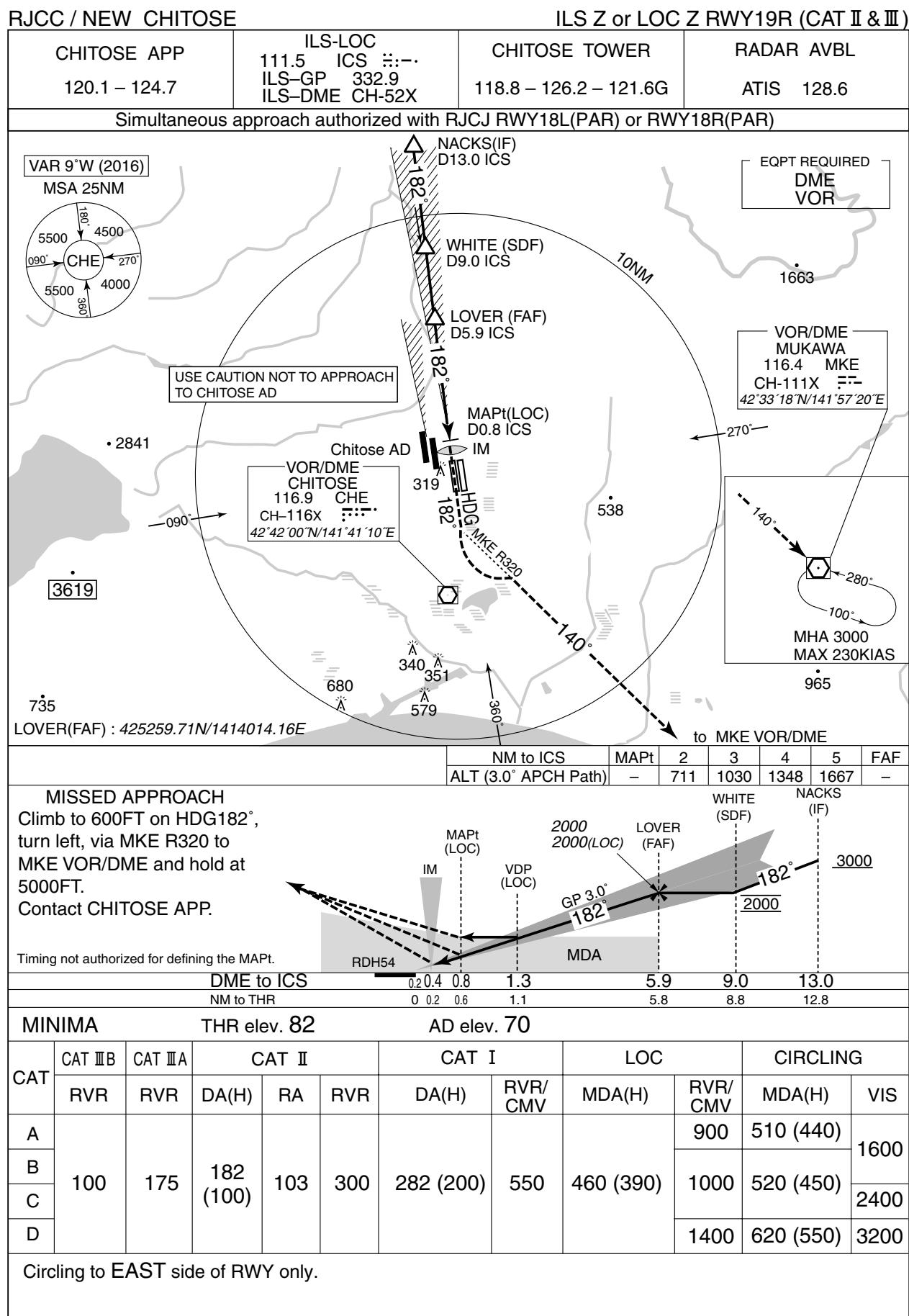
| MINIMA |           | THR elev. 77 |           | AD elev. 70 |  |
|--------|-----------|--------------|-----------|-------------|--|
| CAT    |           |              | CIRCLING  |             |  |
|        | MDA(H)    | RVR/<br>CMV  | MDA(H)    | VIS         |  |
| A      | 620 (550) | 1400     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

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART



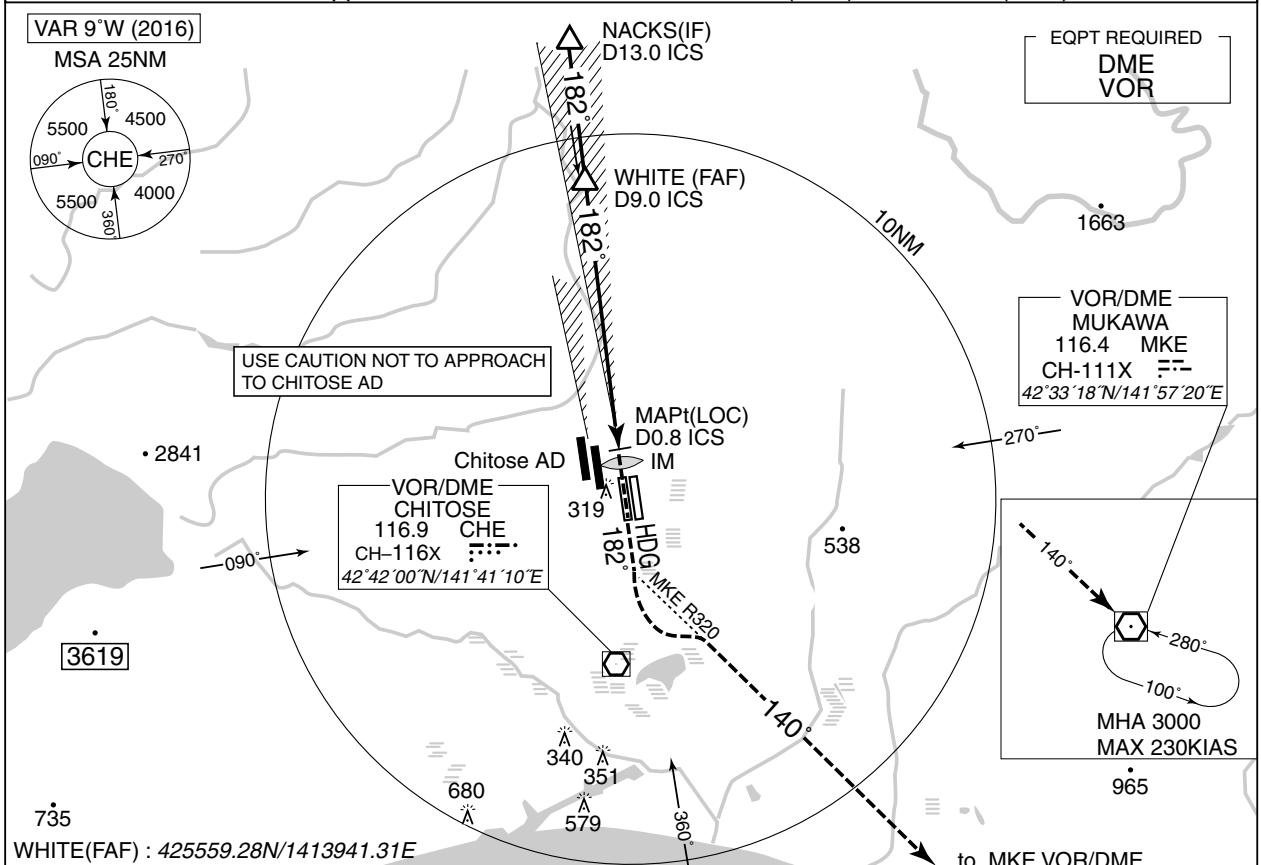
INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

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

|                              |   |   |                          |
|------------------------------|---|---|--------------------------|
| CHITOSE APP<br>120.1 – 124.7 | ILS-LOC<br>111.5 ICS $\vdash\vdash$<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)



|   | NM to ICS       | MAPt | 2                    | 3   | 4    | 5    | FAF  |
|---|-----------------|------|----------------------|-----|------|------|------|
|   |                 |      | ALT (3.0° APCH Path) | 711 | 1030 | 1348 | 1667 |
| <b>MISSED APPROACH</b>  |                 |      |                      |     |      |      |      |
| Climb to 600FT on HDG182°, turn left, via MKE R320 to MKE VOR/DME and hold at 5000FT. |                 |      |                      |     |      |      |      |
| Contact CHITOSE APP.  |                 |      |                      |     |      |      |      |
| Timing not authorized for defining the MAPt.  |                 |      |                      |     |      |      |      |
| DME to ICS  | 0.2 0.4 0.8 1.3 |      | 5.9                  | 9.0 | 13.0 |      |      |
| NM to THR   | 0 0.2 0.6 1.1   |      | 5.8                  | 8.8 | 12.8 |      |      |

MINIMA                   THR elev. 82                   AD elev. 70

| CAT | CAT IIIB | CAT IIIA | CAT II    |     |     | CAT I     |         | LOC       |         | CIRCLING |           |
|-----|----------|----------|-----------|-----|-----|-----------|---------|-----------|---------|----------|-----------|
|     | RVR      | RVR      | DA(H)     | RA  | RVR | DA(H)     | RVR/CMV | MDA(H)    | RVR/CMV | MDA(H)   | VIS       |
| A   |          |          |           |     |     |           |         |           |         | 900      | 510 (440) |
| B   | 100      | 175      | 182 (100) | 103 | 300 | 282 (200) | 550     | 460 (390) |         |          | 1600      |
| C   |          |          |           |     |     |           |         |           |         | 1000     | 520 (450) |
| D   |          |          |           |     |     |           |         |           |         | 1400     | 620 (550) |
|     |          |          |           |     |     |           |         |           |         |          | 3200      |

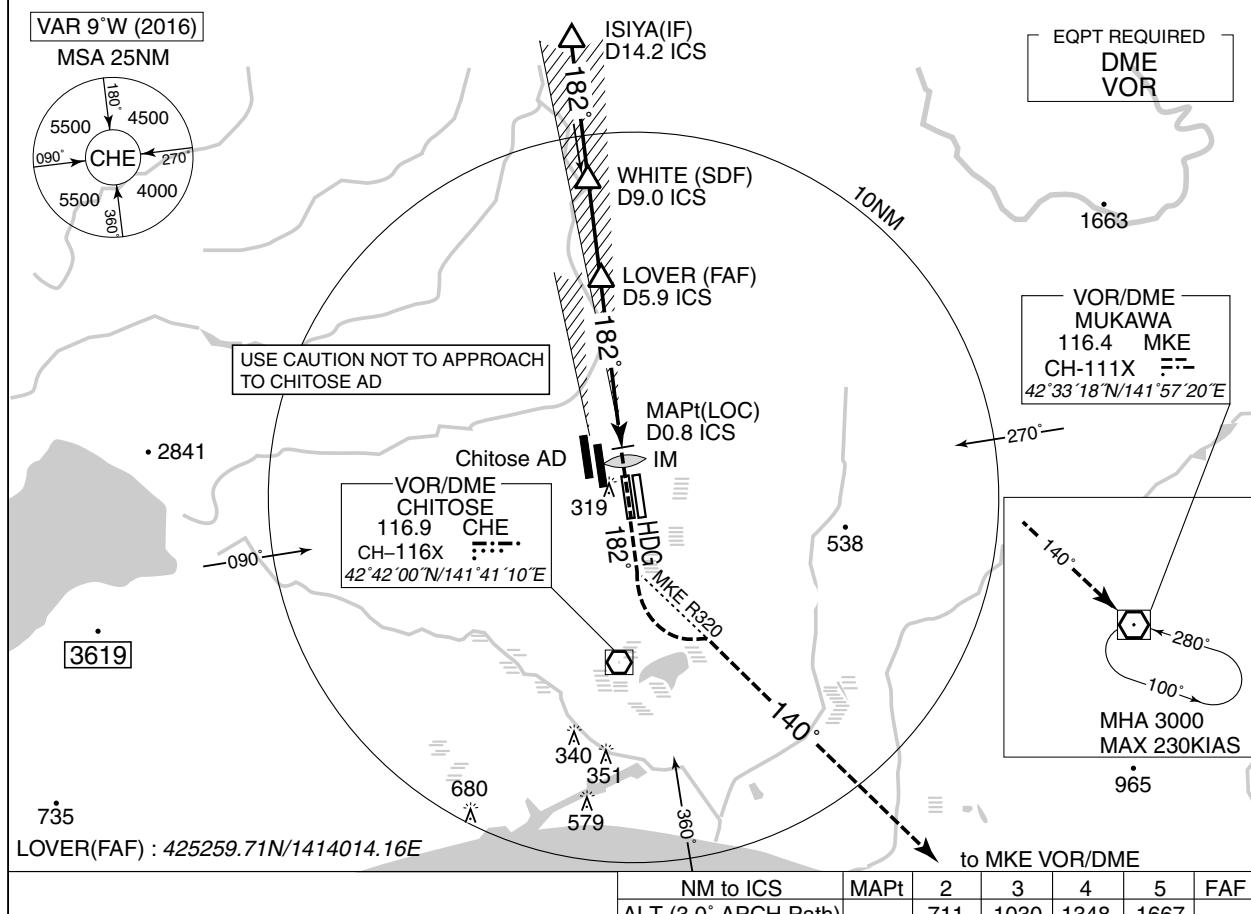
Circling to EAST side of RWY only.

## INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

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

|   |   |   |                          |
|---|---|---|--------------------------|
| CHITOSE APP<br>120.1 – 124.7  | ILS-LOC<br>111.5 ICS $\vdash\vdash$<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) |   |   |                          |



## MISSSED APPROACH

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

Contact CHITOSE APP.

Timing not authorized for defining the MAPt.

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

## MINIMA

THR elev. 82

AD elev. 70

| CAT                                | CAT III B | CAT III A | CAT II    |     | CAT I |           | LOC     |           | CIRCLING  |           |      |
|------------------------------------|-----------|-----------|-----------|-----|-------|-----------|---------|-----------|-----------|-----------|------|
|                                    | RVR       | RVR       | DA(H)     | RA  | RVR   | DA(H)     | RVR/CMV | MDA(H)    | RVR/CMV   | MDA(H)    | VIS  |
| A                                  |           |           |           |     |       |           |         | 900       | 510 (440) |           | 1600 |
| B                                  |           |           |           |     |       |           |         |           |           |           |      |
| C                                  | 100       | 175       | 182 (100) | 103 | 300   | 282 (200) | 550     | 460 (390) | 1000      | 520 (450) | 2400 |
| D                                  |           |           |           |     |       |           |         |           | 1400      | 620 (550) | 3200 |
| Circling to EAST side of RWY only. |           |           |           |     |       |           |         |           |           |           |      |

INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

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



## INSTRUMENT APPROACH CHART

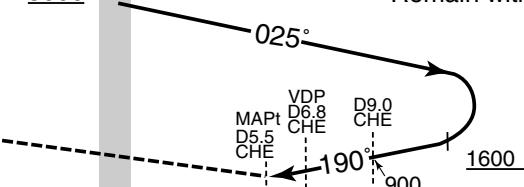


## MISSED APPROACH

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

CHE  
5000

Remain within CHE 14.0DME



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

Circling to EAST side of RWY only.

## **INSTRUMENT APPROACH CHART**

RJCC / NEW CHITOSE

VOR A

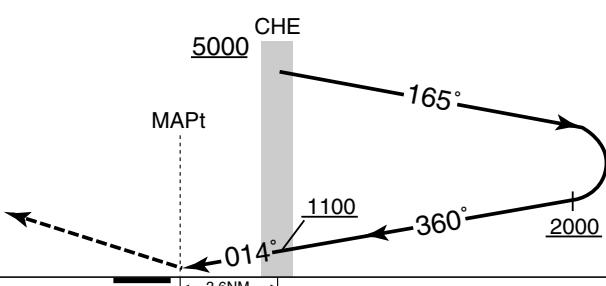
This figure is an aeronautical chart of the Chitose area, Japan. It includes the following key elements:

- CHITOSE APP**: Coverage from 120.1 to 124.7.
- CHITOSE VOR/DME**: Located at 116.9 CHE, coordinates 42°42'00"N / 141°41'10"E.
- CHITOSE TOWER**: Coverage from 118.8 to 126.2 - 121.6G.
- RADAR AVBL**: ATIS 128.6.
- VAR 9°W (2016)**: Minimum Sector Altitude (MSA) 25NM, with specific altitude levels (5500, 4500, 4000, 3000) and headings (090°, 270°, 180°, 090°).
- Chitose AD**: Approach Decision point.
- MAPt**: Map Point, located near the Chitose AD.
- D14.0 CHE**: Distance from Chitose VOR/DME.
- MKA 3000**: Minimum Sector Altitude (MSA) 3000NM.
- VOR/DME MUKAWA**: Located at 116.4 MKE, coordinates 42°33'18"N / 141°57'20"E.
- Flight Levels**: 1663, 1243, 965, 735, 680, 579, 538, 351, 340, 319, 014, 360, 165°, 360°, 280°, 100°.
- Other Labels**: 2841, 3619, 454.

## MISSED APPROACH

Remain within 14.0NM of CHE

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



MINIMA

AD elev 70

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

Circling to EAST side of RWY only.



RJCC / NEW CHITOSE

Minimum Vectoring Altitude CHART

VAR 9°W (2006)



Each distances as follows,

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

CENTER : 424740N/1413959E (RJCJ ARP)