

AD CHART

CHITOSE AD



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STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

TOKACHI ONE DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right climb via HDG 130 DEG to intercept and proceed via....

RWY 18R/18L : Climb via RWY HDG to 500ft or above, turn left climb via HDG 130 DEG to intercept and proceed via....

...CHE R-088 to BOKSO or CHE R-097 to RAKNO.

Cross CHE R-088/12DME or CHE R-097/12DME at or below 5,000ft.

Cross CHE R-088/22DME or CHE R-097/22DME between 9,000ft and 11,000ft.



STANDARD DEPARTURE CHART-INSTRUMENT

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TOBBY SEVEN DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME within CHE 10DME (5NM FM RWY end), then via CHE R-185 to TOBBY.

Cross 4DME prior to CHE VOR/DME (MKE R-329) at or above 3,000ft.

Cross CHE R-185/6DME at or above 6,000ft.

Cross CHE R-185/11DME at or above 7,000ft.

RWY 18R/18L : Climb direct to CHE VOR/DME, then via CHE R-185 to TOBBY.

Cross CHE R-185/27DME at or below 11,000ft.

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



STANDARD DEPARTURE CHART-INSTRUMENT

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TEKKO NINE DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME within CHE 10DME (5NM FM RWY end).

Cross 4DME prior to CHE VOR/DME (MKE R-329) at or above 3,000ft....

RWY 18R/18L : Climb direct to CHE VOR/DME....

....Turn right via CHE R-256 to TEKKO.



STANDARD DEPARTURE CHART-INSTRUMENT

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HAKODATE FIVE DEPARTURE

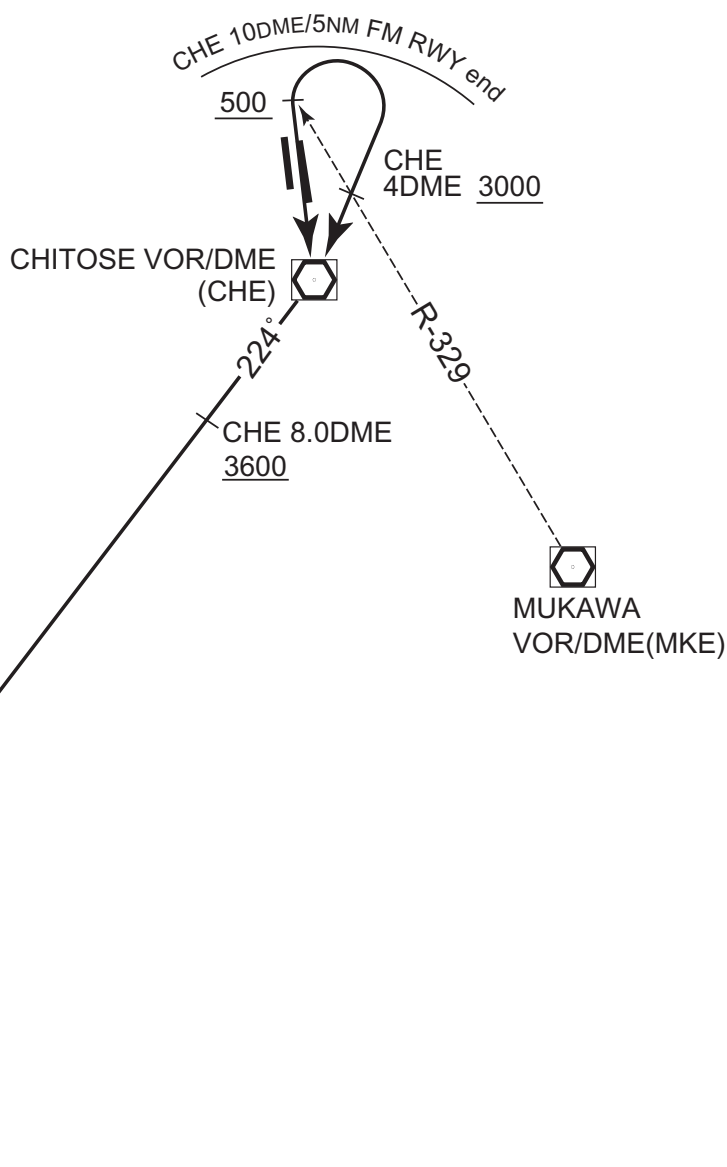
RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME within CHE 10DME (5NM FM RWY end).

Cross 4DME prior to CHE VOR/DME (MKE R-329) at or above 3,000ft....

RWY 18R/18L : Climb direct to CHE VOR/DME....

....then via CHE R-224 to HWE VOR/DME.

Cross CHE R-224/8.0DME at or above 3,600ft.

HAKODATE FIVE DEPARTURE

CHANGE : PROC renamed. ALT restriction added.

STANDARD DEPARTURE CHART-INSTRUMENT

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CHITOSE REVERSAL THREE DEPARTURE

RWY 18L/18R : Climb RWY HDG to 600FT, turn left HDG 046° to intercept and proceed via ZYT R091 to 20.0DME, turn left, direct to ZYT TACAN.

Cross ZYT R091/15.0DME at or below 11000FT.

RWY 36R/36L : Climb via ZYT R360 to 15.0DME, turn right, direct to ZYT TACAN.

Note RWY18L : 5.0% climb gradient required up to 600FT.

OBST ALT 172FT located at 0.3NM 155° FM end of RWY18L.

RWY18R : 5.0% climb gradient required up to 600FT.

OBST ALT 197FT located at 0.6NM 205° FM end of RWY18R.

CHANGE : PROC renamed. PROC course. Note(OBST). ALT restriction. Specified ALT deleted.



STANDARD DEPARTURE CHART-INSTRUMENT

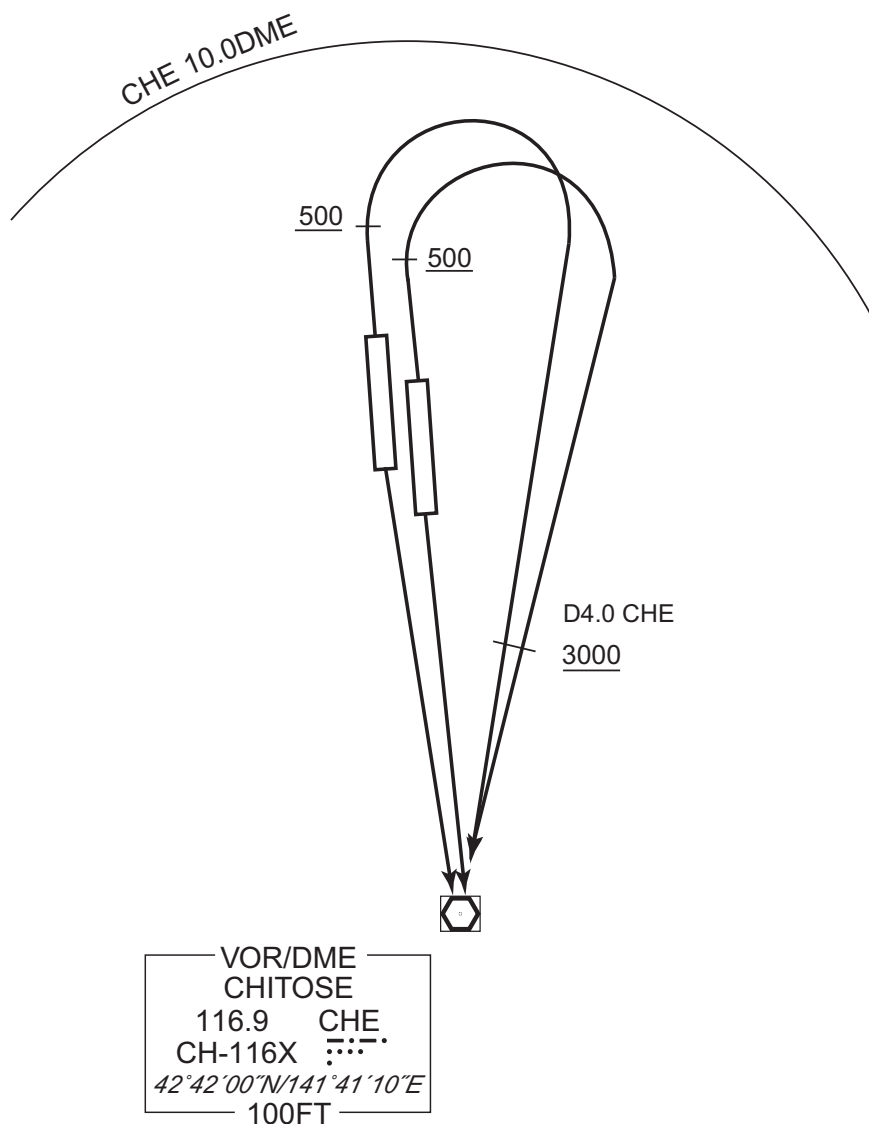
RJCJ / CHITOSE

SID

CHITOSE FOUR DEPARTURE

RWY 18L/18R : Climb direct to CHE VOR/DME.

RWY 36R/36L : Climb via RWY HDG to 500FT or above, turn right to CHE
 VOR/DME within CHE 10.0DME.
 Cross 4.0DME prior to CHE VOR/DME at or above 3000FT.



CHANGE : PROC renamed. PROC course. CHITOSE TACAN deleted. Note deleted.

STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

MUKAWA FIVE DEPARTURE

RWY 36R/36L: Climb via RWY HDG to 500ft or above, turn right within 4NM, climb via MKE R-336 to MKE VOR/DME, then via MKE R-202 to TOBBY.

Cross MKE R-336/12DME at or above 3,000ft.

Cross MKE VOR/DME at or below 11,000ft.

RWY 18R/18L: Climb via RWY HDG to 500ft or above, turn left, climb via MKE R-321 to MKE VOR/DME, then via MKE R-202 to TOBBY.

Cross MKE R-321/10DME at or above 3,000ft.

Corss MKE VOR/DME at or below 11,000ft.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

KURIS FOUR DEPARTURE

RWY 36R/36L:

RWY 18R/18L: Climb via RWY HDG to 500ft or above, turn left within
4NM,...

....climb via CHE R-011 to KURIS.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

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SAVIT TWO DEPARTURE

- RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME within CHE 10DME (5NM FM RWY end).
Cross 4DME prior to CHE VOR/DME (MKE R-329) at or above 3,000ft....
- RWY 18R/18L : Climb direct to CHE VOR/DME....
....then via CHE R-224 to SAVIT.
Cross CHE R-224/8.0DME at or above 3,600ft.

SAVIT TWO DEPARTURE



CHANGE : PROC renamed. ALT restriction added.

STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV TRANSITION

**PANSY TRANSITION**

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

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | TOBBY | — | — | -9.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | NOHEY | — | 228 (218.1) | -9.5 | 23.5 | — | +FL250 | — | — | RNAV1 |
| 003 | TF | APIOS | — | 202 (192.0) | -9.5 | 33.7 | — | — | — | — | RNAV1 |
| 004 | TF | PANSY | — | 188 (178.4) | -9.5 | 63.5 | — | — | — | — | RNAV1 |

BUTOS TRANSITION

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

| 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 |

STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV TRANSITION



STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

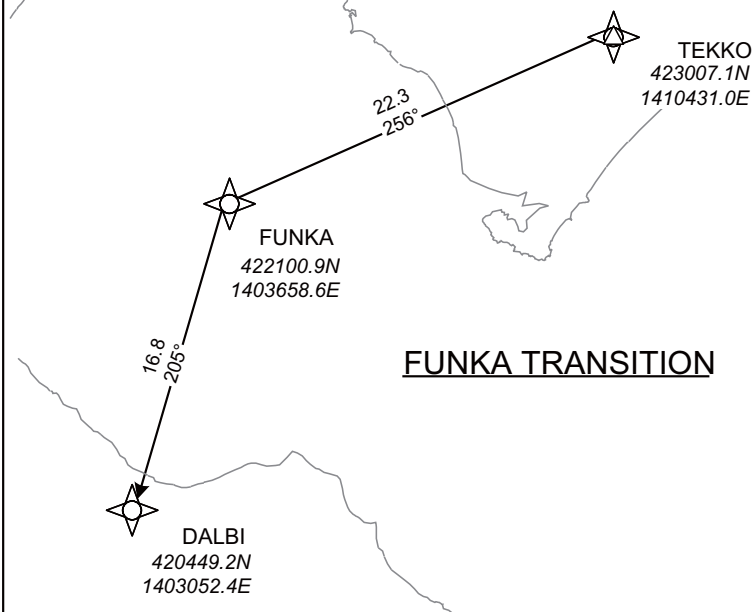
RNAV TRANSITION

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

VAR 10° W(2019)

TACAN
CHITOSE
990 ZYT
CH-29X
42°45'52"N/141°40'25"E

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

**FUNKA TRANSITION**

From TEKKO, to FUNKA, to DALBI.

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | TEKKO | - | - | -9.5 | - | - | - | - | - | RNAV1 |
| 002 | TF | FUNKA | - | 256 (246.0) | -9.5 | 22.3 | - | - | - | - | RNAV1 |
| 003 | TF | DALBI | - | 205 (195.6) | -9.5 | 16.8 | - | - | - | - | RNAV1 |

STANDARD ARRIVAL CHART-INSTRUMENT

RJCJ / CHITOSE

STAR

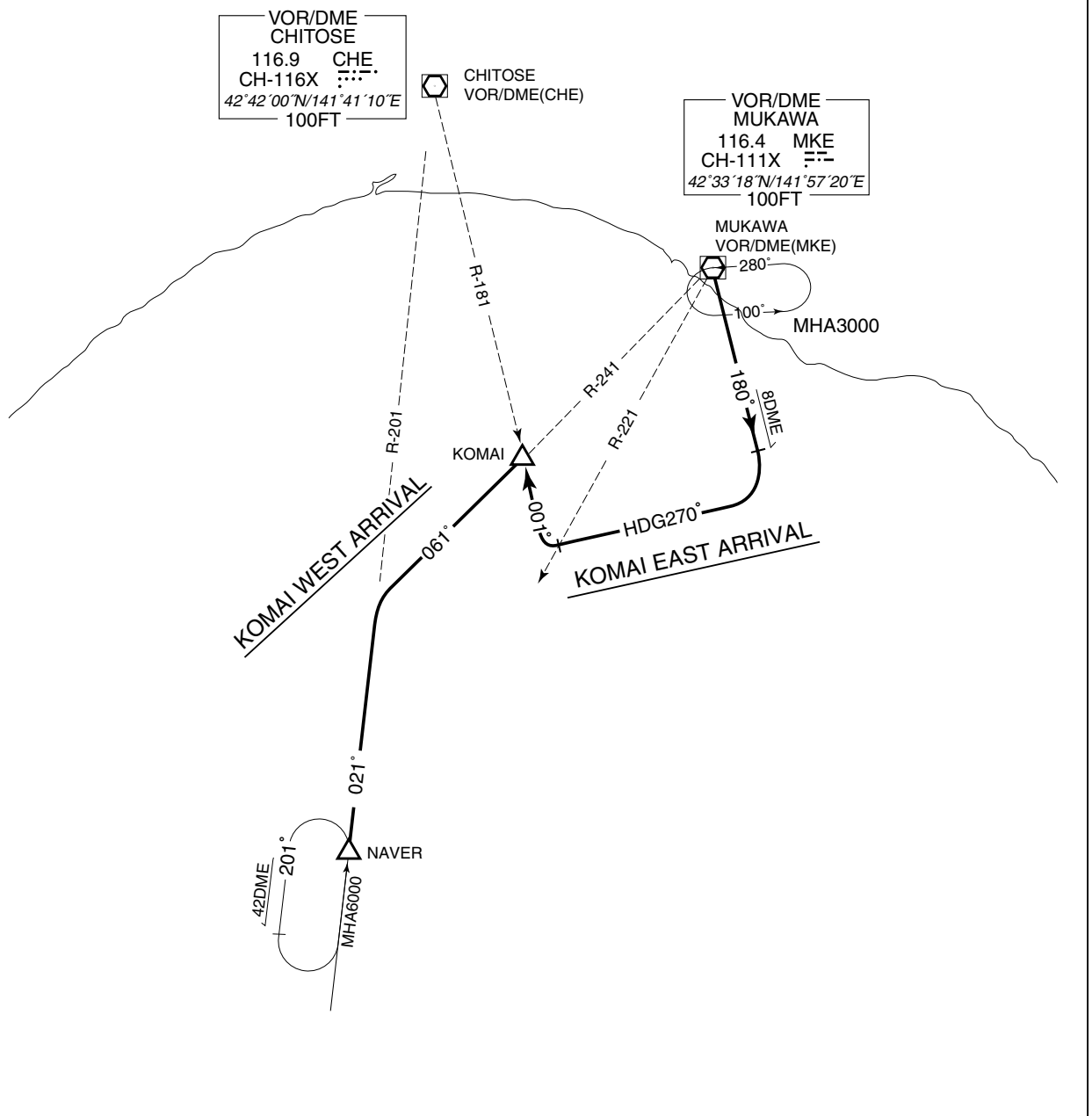
STARs for RWY36

KOMAI WEST ARRIVAL

From over NAVER, via CHE R-201 to intercept and proceed via MKE R-241 to KOMAI.

KOMAI EAST ARRIVAL

From over MKE VOR/DME, via MKE R-180 to MKE R-180/8DME, turn right, proceed via HDG 270 DEG to intercept MKE R-221, then turn right to intercept CHE R-181 to KOMAI.



STANDARD ARRIVAL CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV STAR RWY18L

WAKSA ALFA ARRIVAL
WAKSA BRAVO ARRIVAL

RNAV 1

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

VAR 9° W(2016)



STANDARD ARRIVAL CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV STAR RWY18L

WAKSA 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 WAKSA at or above 3000FT.

| | |
|------------------------|---|
| Critical DME | SPE: C9R55 - WAKSA MKE: 10.0NM to MKE - 3.0NM to MKE 10.0NM to C9R52 - 8.0NM to C9R52 |
| DME GAP | 3.0NM to MKE - 10.0NM to C9R52 |
| Inappropriate Nav aids | 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 | WAKSA | — | 240 (230.8) | -9.3 | 11.2 | — | +3000 | — | — | RNAV1 |

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

STANDARD ARRIVAL CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV STAR RWY18L

WAKSA BRAVO ARRIVAL

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

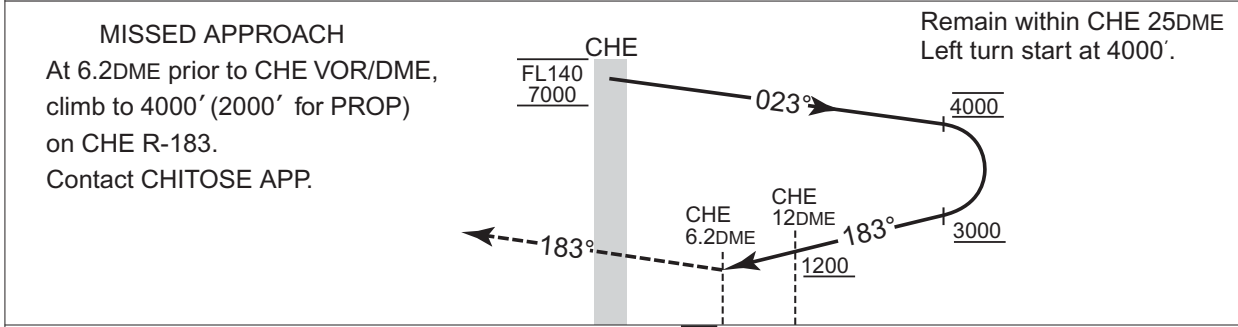
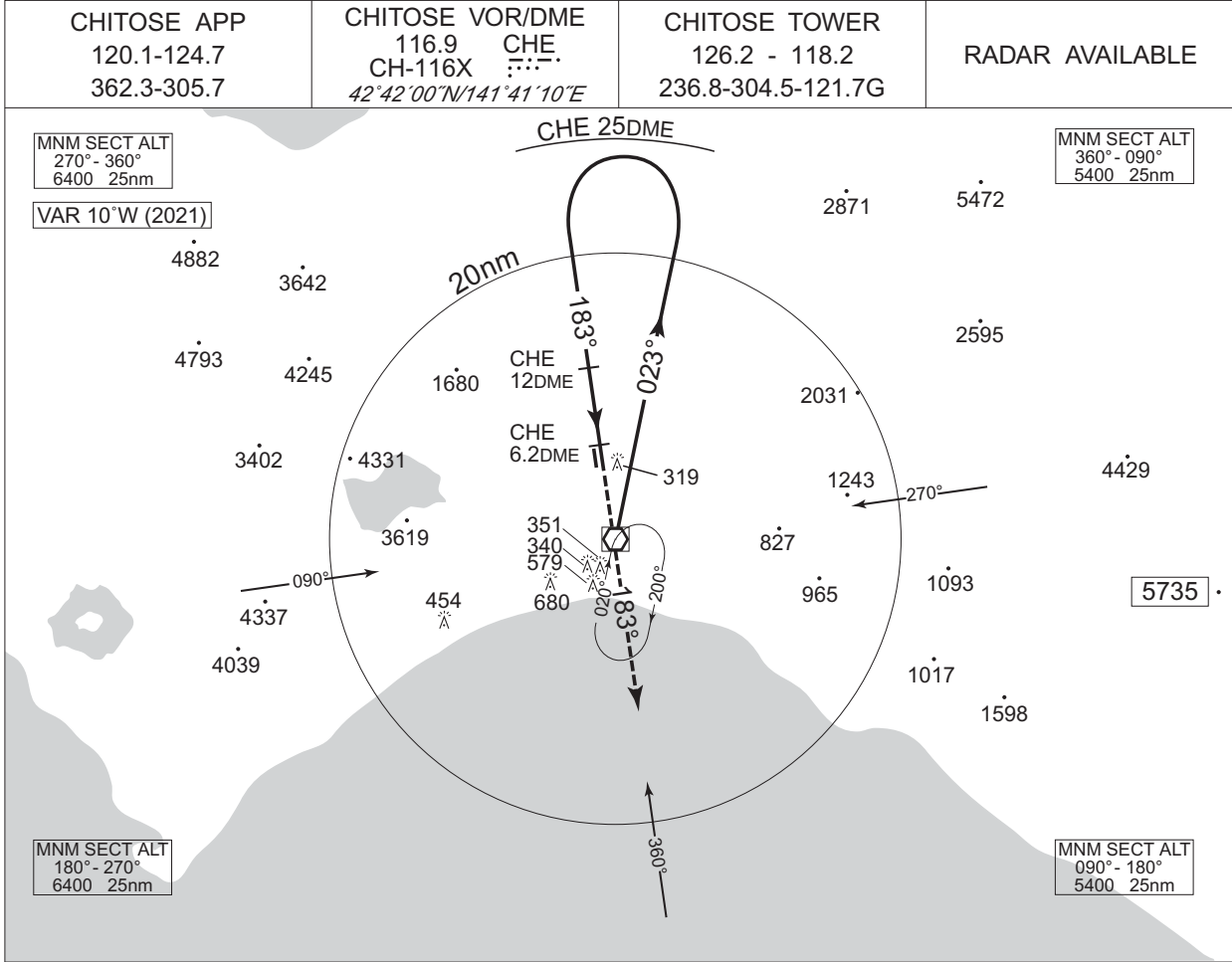
| | |
|------------------------|---|
| Critical DME | SPE: C9R55 - WAKSA |
| DME GAP | CHE - 11.0NM to C9R53 |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | CHE | — | — | -9.3 | — | — | — | — | — | RNAV1 |
| 002 | TF | C9R53 | — | 045 (035.8) | -9.3 | 14.6 | — | — | — | — | RNAV1 |
| 003 | TF | C9R54 | — | 360 (350.9) | -9.3 | 4.2 | — | -7000 | — | — | RNAV1 |
| 004 | TF | C9R55 | — | 360 (350.9) | -9.3 | 8.7 | — | +5000 | — | — | RNAV1 |
| 005 | TF | WAKSA | — | 240 (230.8) | -9.3 | 11.2 | — | +3000 | — | — | RNAV1 |

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

VOR/DME NR.1 RWY18L



CHANGE : VAR. PROC course.

| MINIMA | | THR elev. 70 | AD elev. 89 | |
|--------|-----------|--------------|-------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 560 (490) | 1000 | 620 (531) | 1600 |
| B | | 1200 | | 2400 |
| C | | | | |
| D | | 1600 | 640 (551) | 3200 |

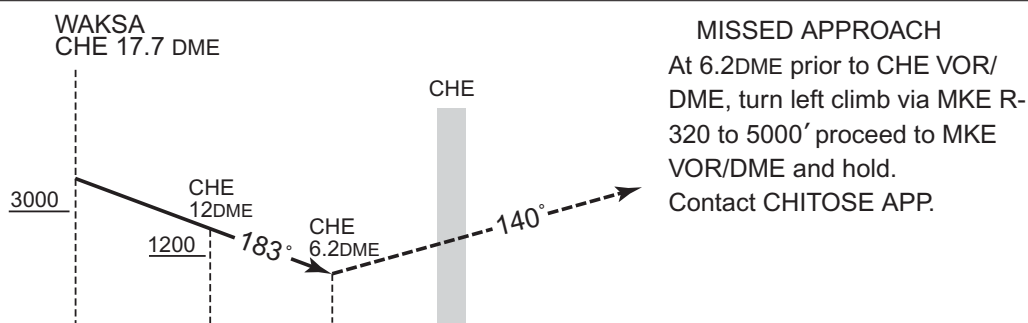
INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

VOR/DME NR.2 RWY18L



CHANGE : VAR. Course FM WAKSA to CHE 6.2DME.

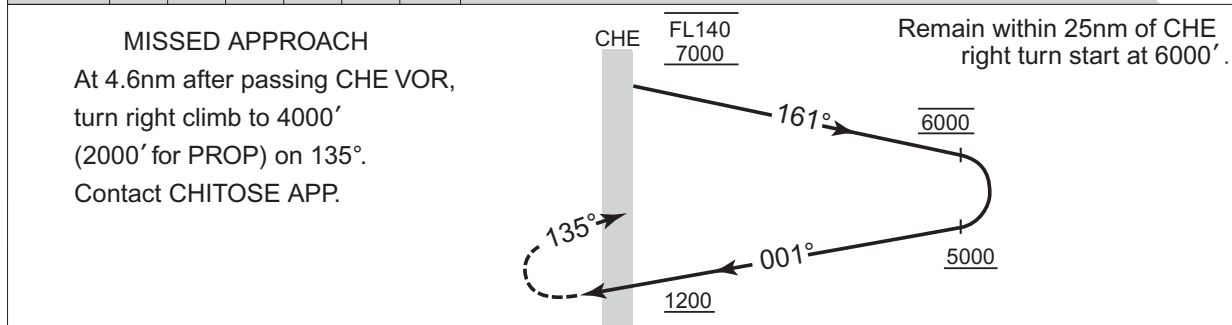
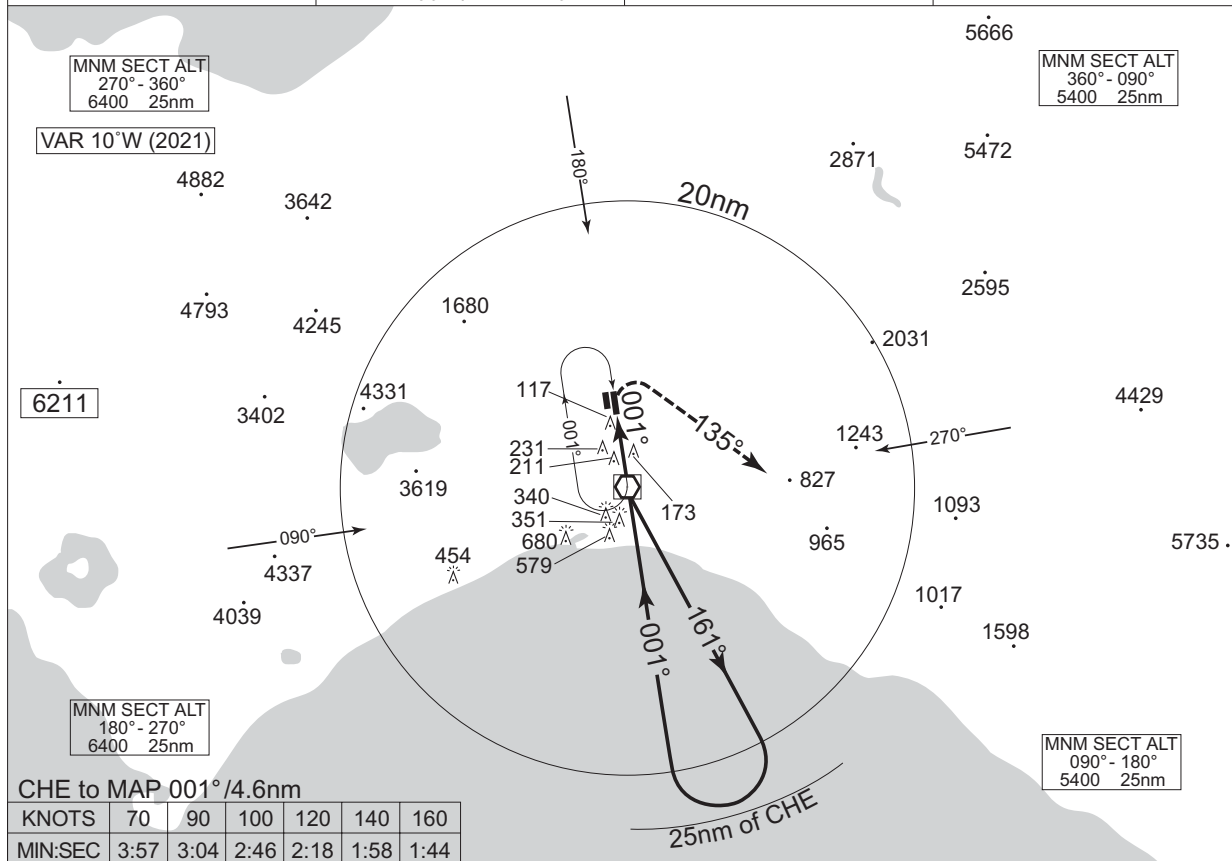


INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

VOR NR.1 RWY36R

| | | | |
|---|---|--|-----------------|
| CHITOSE APP 120.1 - 124.7 362.3 - 305.7 | CHITOSE VOR/DME 116.9 CHE CH-116X 42°42'00"N/141°41'10"E | CHITOSE TOWER 126.2 - 118.2 236.8 - 304.5 - 121.7G | RADAR AVAILABLE |
|---|---|--|-----------------|



| MINIMA | | THR elev. 85 | AD elev. 89 | |
|--------|-----------|--------------|-------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 620 (531) | 1000 | 620 (531) | 1600 |
| B | | 1200 | | 2400 |
| C | | | 1600 | |
| D | | | 640 (551) | |

CHANGE : VAR.

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

VOR NR.2 RWY36R



MISSED APPROACH

At 4.6nm after passing CHE VOR,
turn right climb via MKE
R-335 to 5000', proceed to
MKE VOR/DME and hold.
Contact CHITOSE APP.



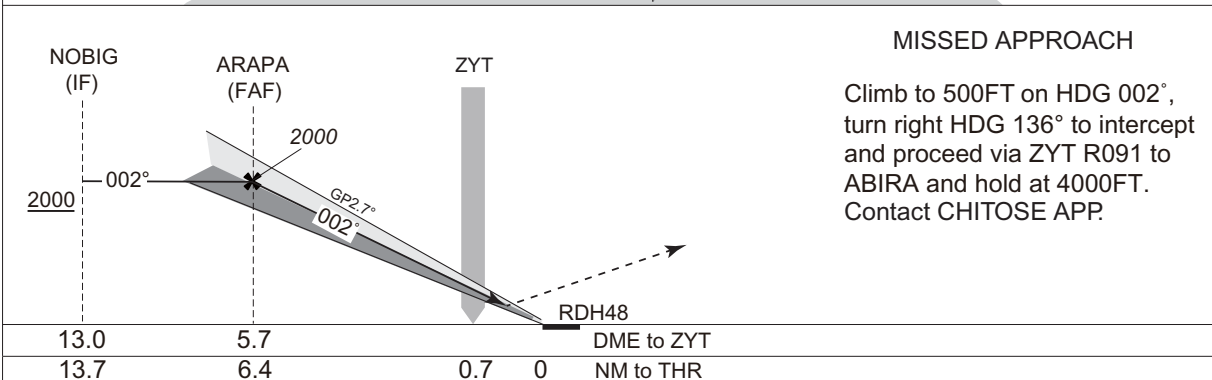
| MINIMA | THR elev. 85 | AD elev. 89 |
|--------|--------------|-------------|
|--------|--------------|-------------|

| CAT | | | CIRCLING | |
|-----|-----------|-------------|-----------|------|
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 620 (531) | 1000 | 620 (531) | 1600 |
| B | | 1200 | | |
| C | | | | 2400 |
| D | | 1600 | 640 (551) | 3200 |

CHANGE : VAR.

RJCJ / CHITOSE

ILS Z RWY 36R



| Missed APCH climb gradient MNM 4.0% | | | | |
|-------------------------------------|--------------|--------------|-------------|------|
| MINIMA | | THR elev. 85 | AD elev. 89 | |
| CAT | CAT I | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 285 (200) | 750 | 620(531) | 1600 |
| B | | | | |
| C | | | 660(571) | 3200 |
| D | | | | |

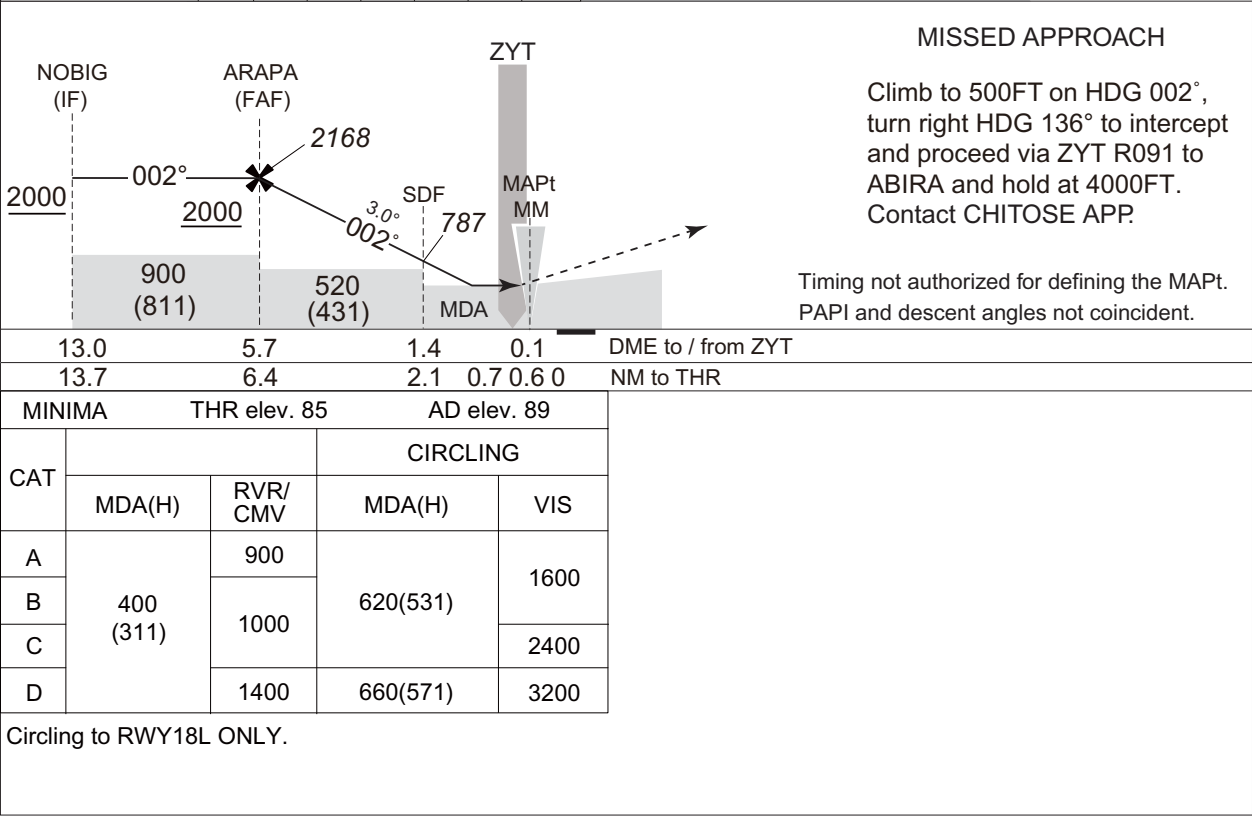
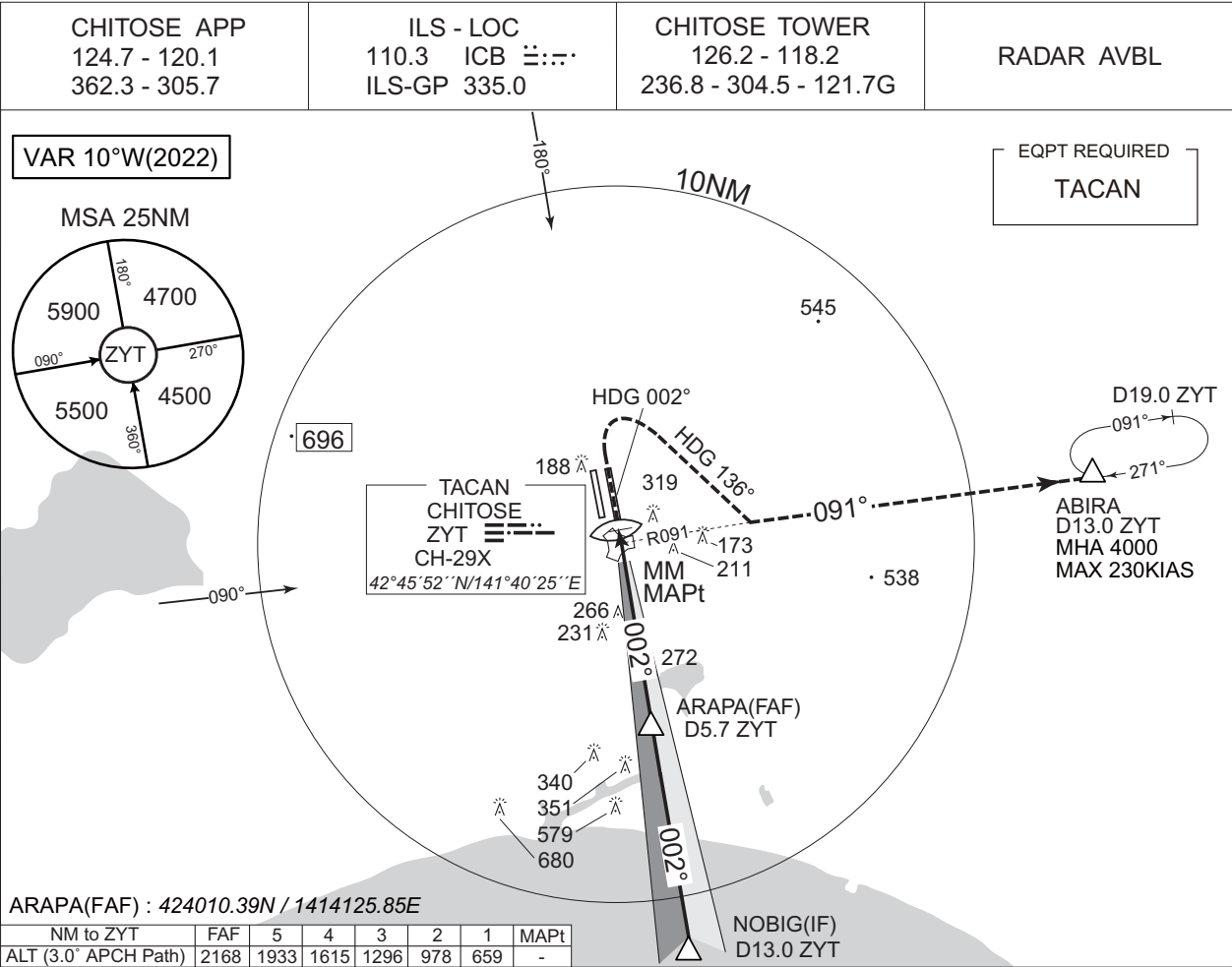
MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to RWY18L ONLY.

CHANGE : Circling restriction.

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

LOC RWY36R



CHANGE : SDF added. OBST added(266).

INSTRUMENT APPROACH CHART

RJ CJ / CHITOSE

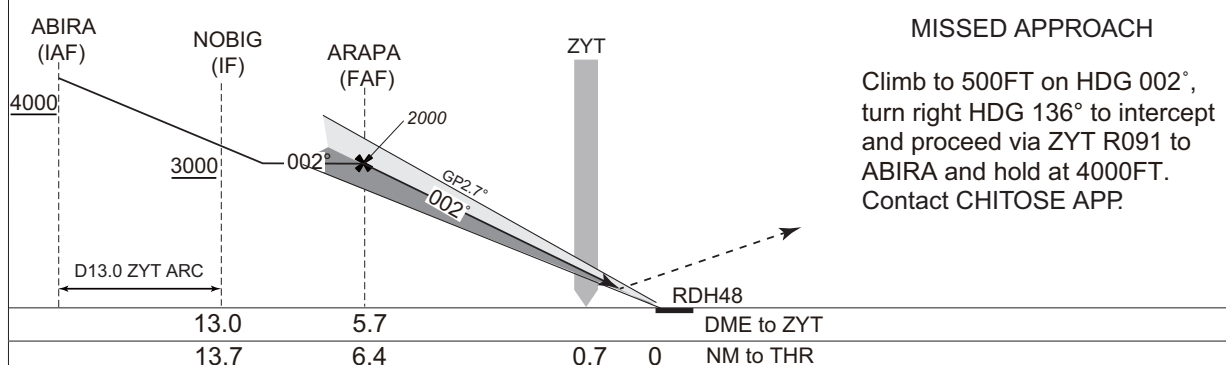
ILS Y RWY 36R



INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

ILS X RWY 36R



Missed APCH climb gradient MNM 4.0%

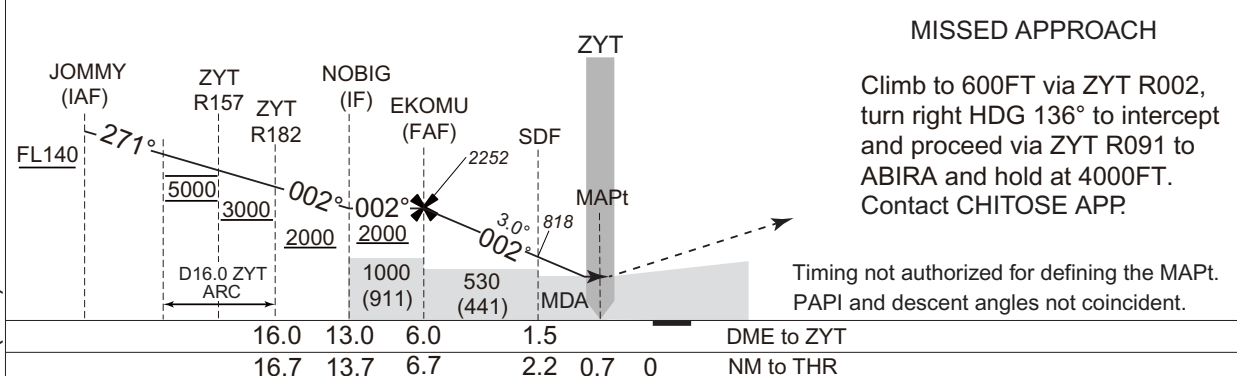
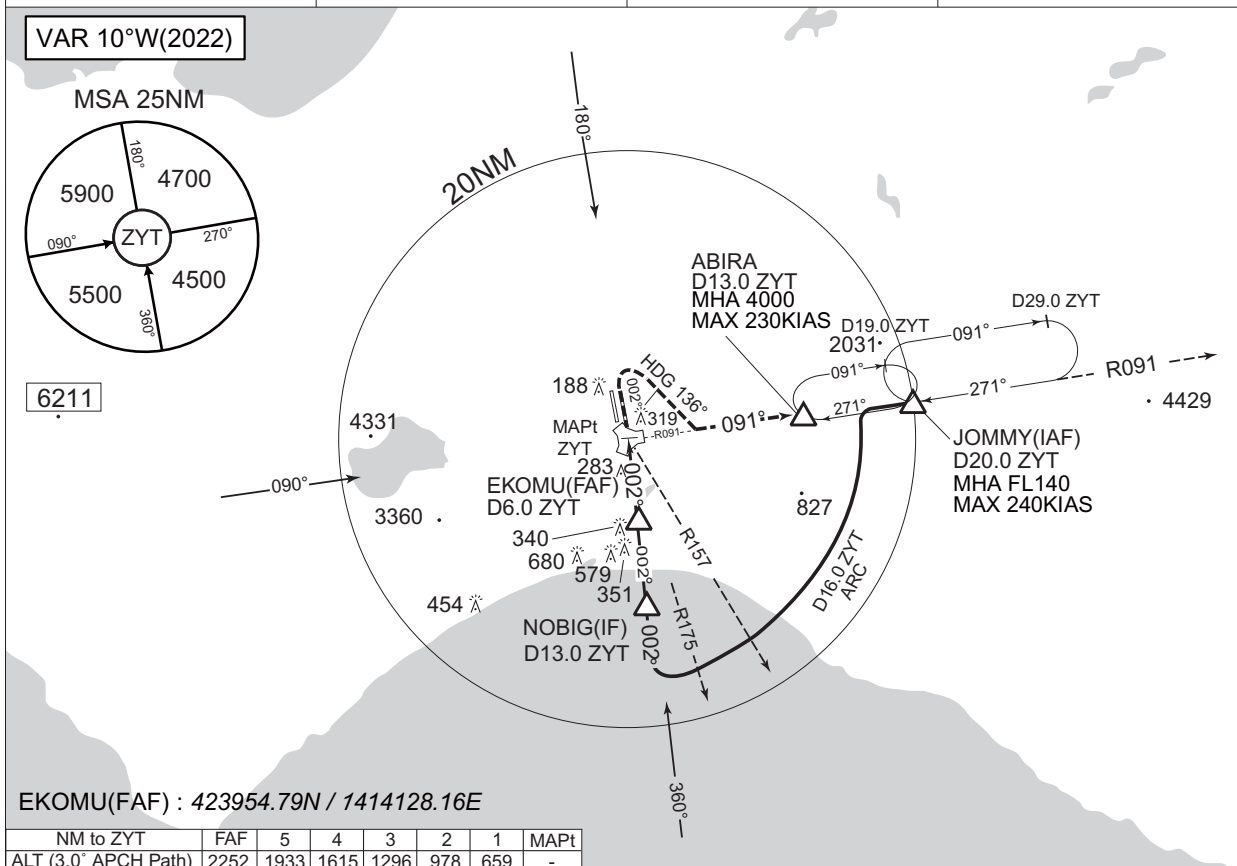
| MINIMA | | | | |
|--------------|--------------|-------------|----------|------|
| THR elev. 85 | | AD elev. 89 | | |
| CAT | CAT I | | CIRCLING | |
| | DA(H) | RVR/CMV | MDA(H) | VIS |
| A | 285 (200) | 750 | 620(531) | 1600 |
| B | | | | 2400 |
| C | | | 660(571) | 3200 |
| D | | | | |

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to RWY18L ONLY.

CHANGE : Circling restriction.

RJCJ / CHITOSE

| | | | |
|---|--|--|-----------------|
| CHITOSE APP 124.7 - 120.1 362.3 - 305.7 | CHITOSE TACAN CH-29 ZYT $\Xi \cdot \cdot \cdot$ 42°45'52"N/141°40'25"E | CHITOSE TOWER 126.2 - 118.2 236.8 - 304.5 - 121.7G | RADAR AVAILABLE |
|---|--|--|-----------------|



| MINIMA | | THR elev. 85 | AD elev. 89 | |
|--------|----------|--------------|-------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 450(361) | 900 | 620(531) | 1600 |
| B | | 1000 | | |
| C | | | 2400 | |
| D | | | | 1400 |

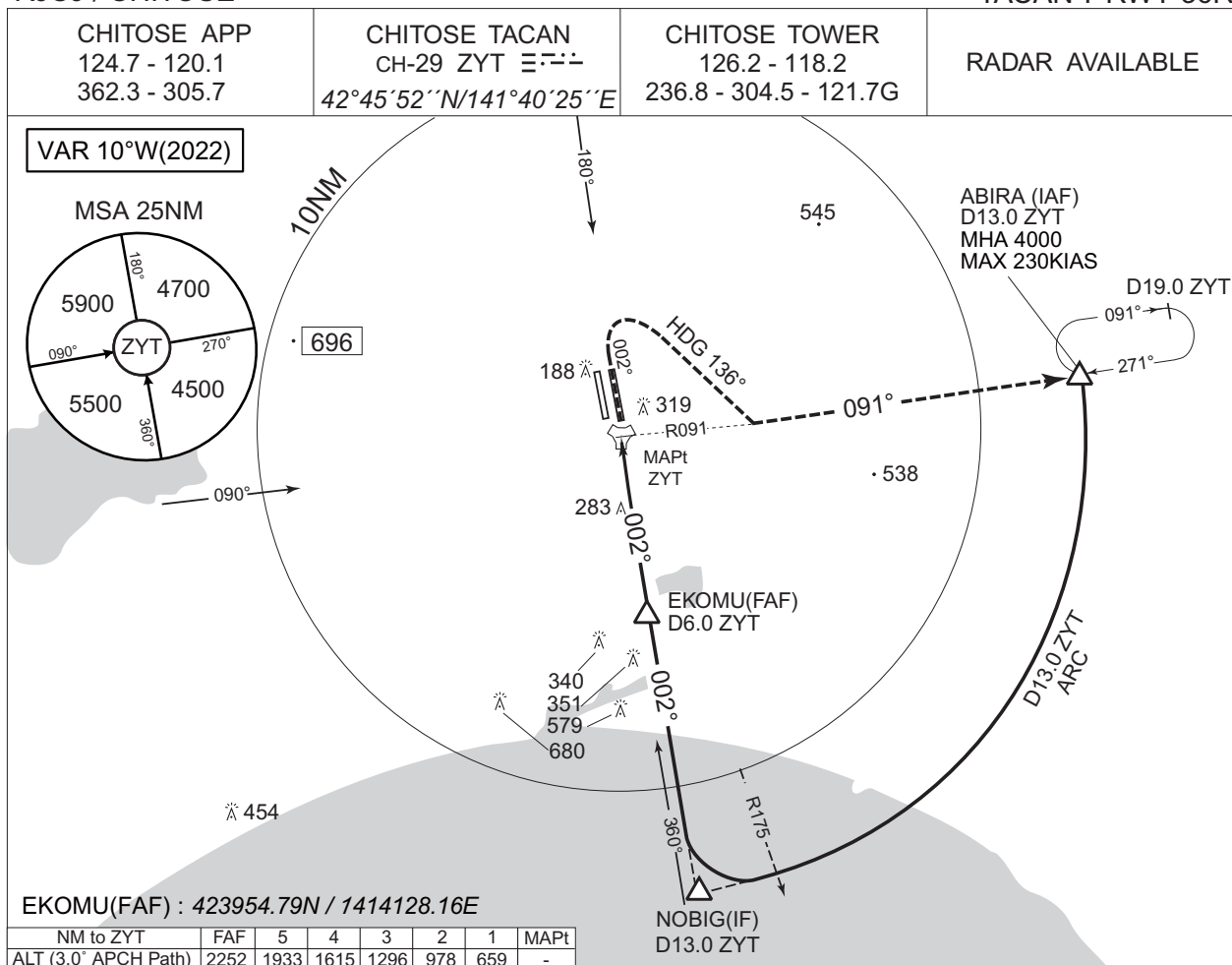
| | | | |
|--|--|--|--------------------------|
| | | | Circling to RWY18L ONLY. |
|--|--|--|--------------------------|

CHANGE : SDF added. OBST added(283).

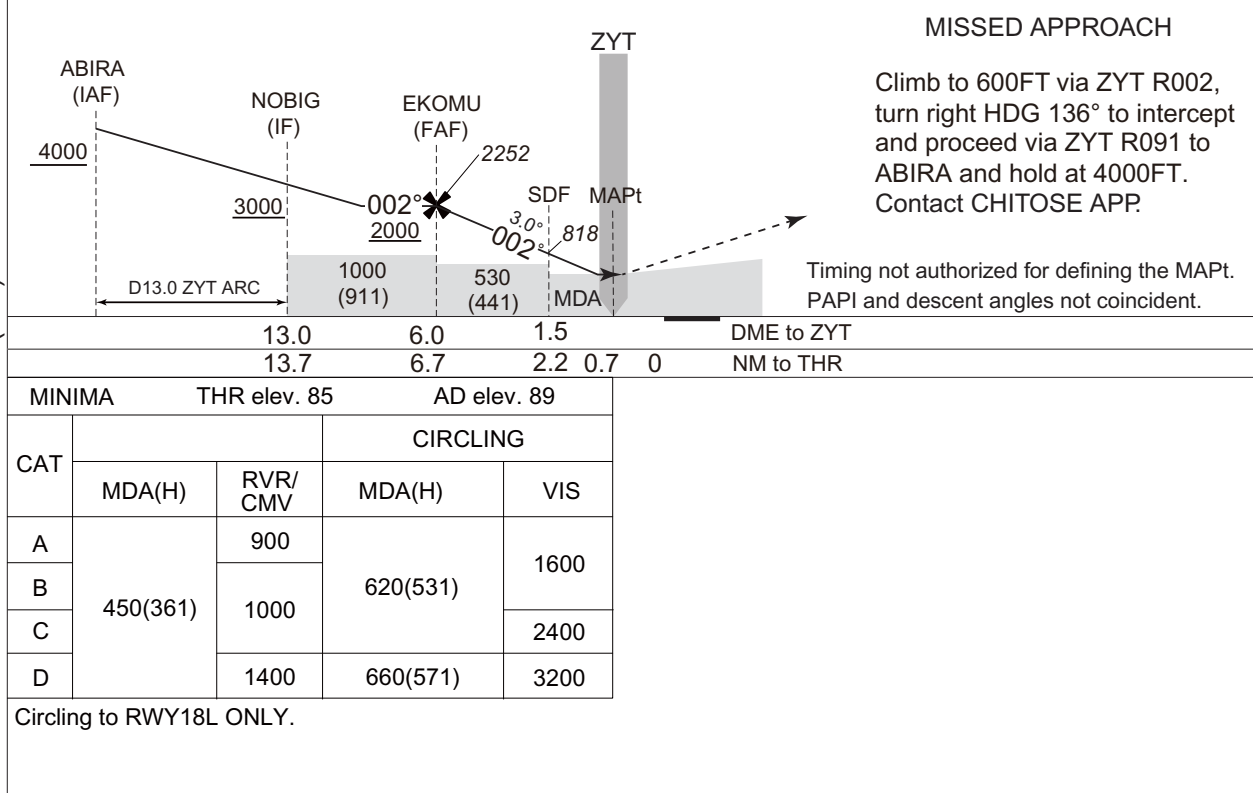
INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

TACAN Y RWY 36R



CHANGE : SDF added. OBST added(283).



RJCJ / CHITOSE

TACAN Z RWY 18L

VAR 10°W(2022)

MSA 25NM

5900 4700 5500 4500

ZYT

180° 090° 270° 360°

20NM

OPANO (IF) D13.0 ZYT

OLPOL (FAF) D8.0 ZYT

MAPt D2.3 ZYT

182° 188° 182° 188°

091° 271° 091° 271°

D16.0 ZYT ARC

D19.0 ZYT

D29.0 ZYT

ABIRA D13.0 ZYT MHA 4000 MAX 230KIAS

JOMMY (IAF) D20.0 ZYT MHA FL140 MAX 240KIAS

4331 3360 4429 5666 827 340 680 351 579 454

090° 180° 270° 360°

OLPOL(FAF) : 425348.26N / 1413900.48E

| NM to ZYT | MAPt | 4 | 5 | 6 | 7 | FAF |
|----------------------|------|-----|-----|------|------|------|
| ALT (3.0° APCH Path) | - | 670 | 988 | 1306 | 1625 | 1943 |

Climb to 600FT via ZYT R182,
turn left to intercept and proceed
via ZYT R091 to ABIRA and hold
at 4000FT.
Contact CHITOSE APP.

| MINIMA | | THR elev. 70 | AD elev. 89 | |
|--------|----------|--------------|-------------|----------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 500(430) | 900 | 620(531) | 1600 |
| B | | 1000 | | |
| C | | | | 2400 |
| D | | | 1400 | 660(571) |

CHANGE : Circling restriction.

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

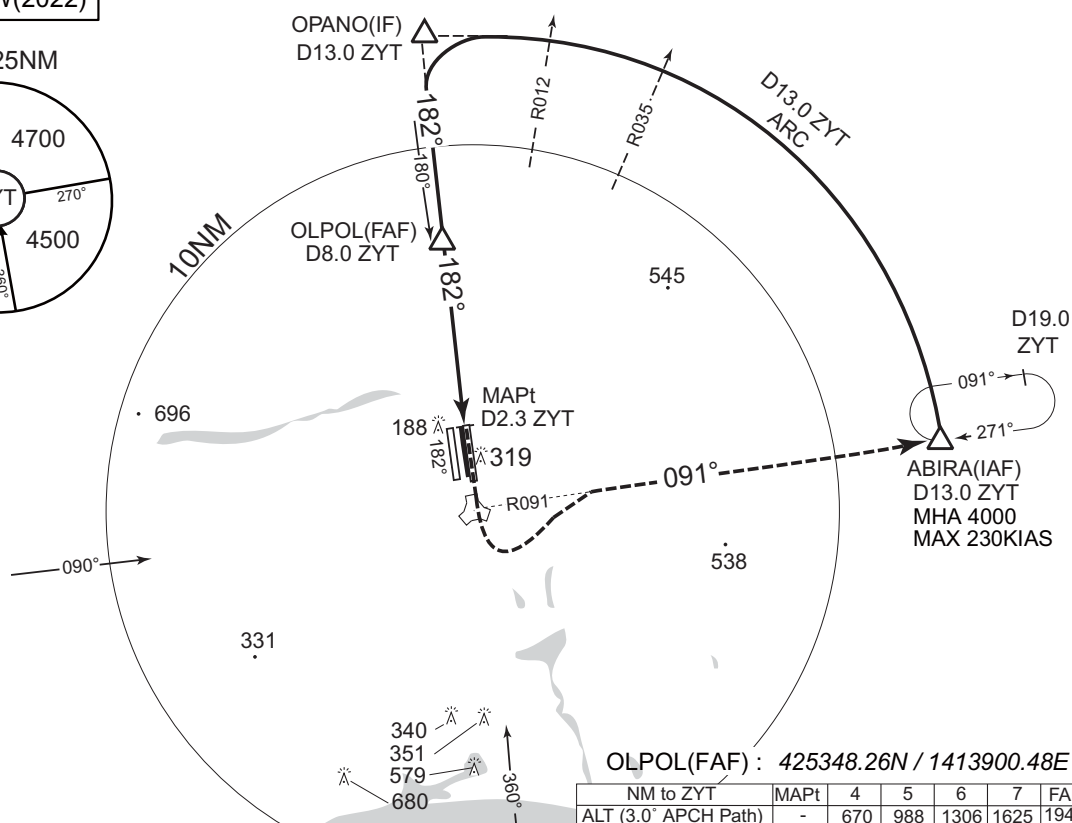
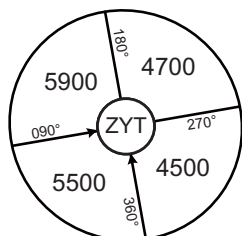
TACAN Y RWY 18L

CHITOSE APP
124.7 - 120.1
362.3 - 305.7CHITOSE TACAN
CH-29 ZYT $\equiv \text{---}$
42°45'52"N/141°40'25"ECHITOSE TOWER
126.2 - 118.2
236.8 - 304.5 - 121.7G

RADAR AVAILABLE

VAR 10°W(2022)

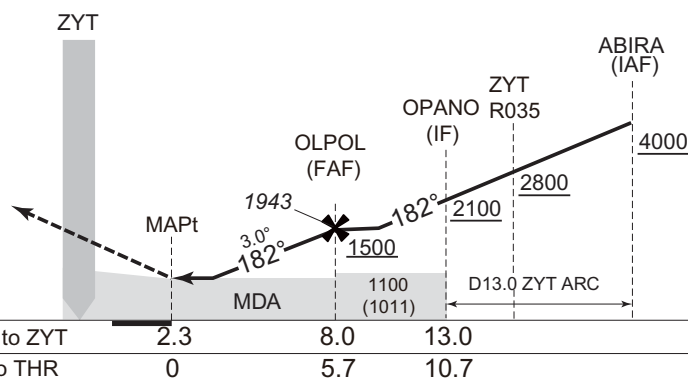
MSA 25NM



MISSED APPROACH

Climb to 600FT via ZYT R182,
turn left to intercept and proceed
via ZYT R091 to ABIRA and hold
at 4000FT.
Contact CHITOSE APP.

Timing not authorized for defining the MAPt.
PAPI and descent angles not coincident.



| MINIMA | | THR elev. 70 | AD elev. 89 | |
|--------|----------|--------------|-------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 500(430) | 900 | 620(531) | 1600 |
| B | | 1000 | | 2400 |
| C | | | | |
| D | | 1400 | 660(571) | 3200 |

Circling to RWY36R ONLY.

CHANGE : Circling restriction.