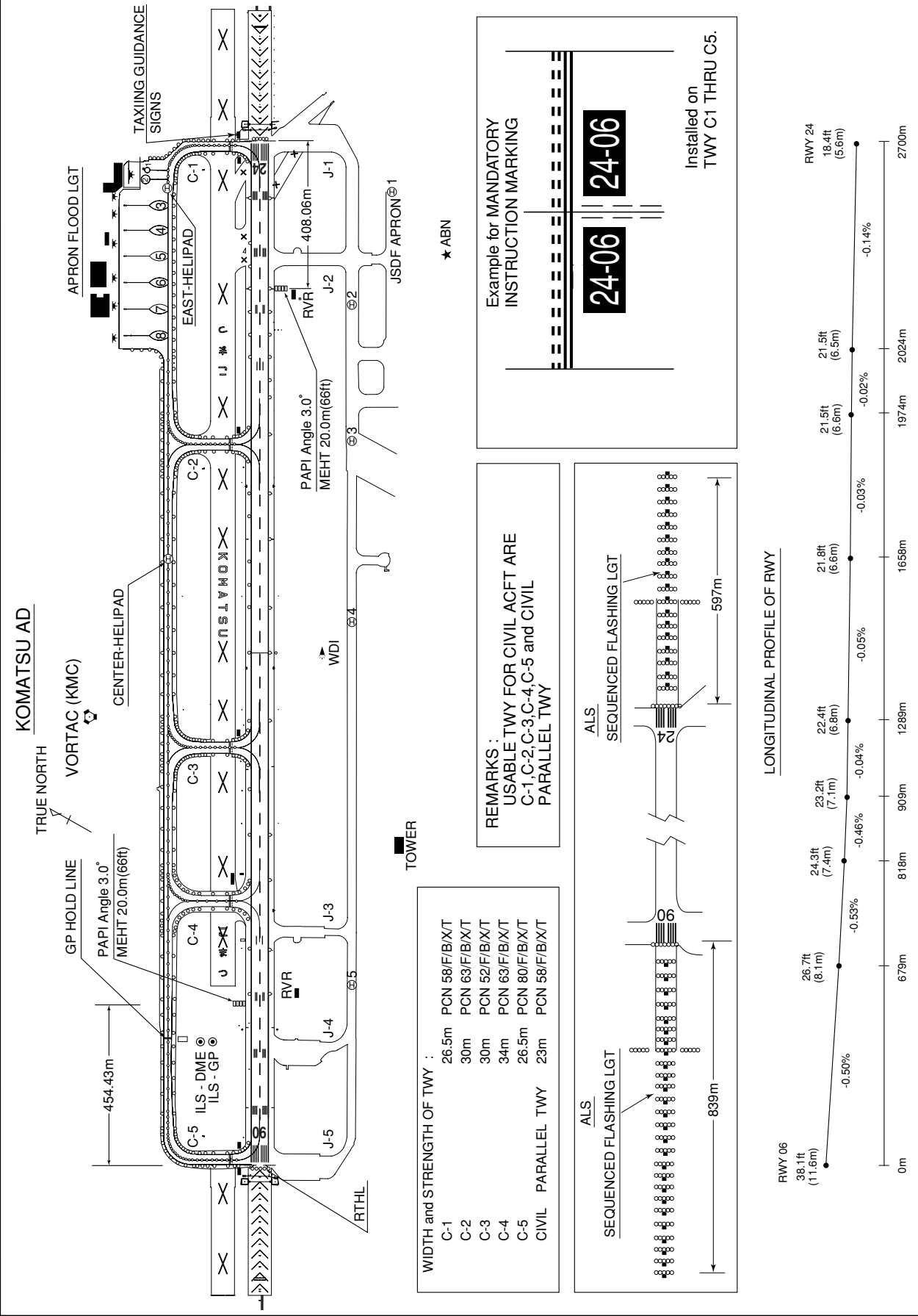


RJNK / KOMATSU

AD CHART



## STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

RNAV SID and TRANSITION

| MANAH 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          | RWY06<br>KMC, YME: 10NM to KAETU - 30NM to MANAH,<br>23NM to MANAH - 3NM to MANAH<br>RWY24<br>KMC, YME: 23NM to MANAH - 3NM to MANAH |
|   | DME GAP               | RWY06<br>06DER - 10NM to KAETU<br>30NM to MANAH - 23NM to MANAH<br>RWY24<br>24DER - 23NM to MANAH                                    |
|   | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1  |

VAR 8° W(2014)

MANAH TWO DEPARTURE

RWY06 : Climb on HDG063° at or above 500FT, turn left direct to KAETU, to MANAH.

RWY24 : Climb on HDG243° at or above 500FT, direct to AWAZU, to MANAH.

NOTE RWY06 : 4.1% climb gradient required up to 3900FT.

OBST ALT 3215FT located at 13.0NM 200° FM end of RWY06.

RWY24 : 4.8% climb gradient required up to 3900FT.

OBST ALT 3215FT located at 12.0NM 195° FM end of RWY24.

KOMAKI TRANSITION

From MANAH to KCC.

CHANGE : Minor change

## STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

RNAV SID and TRANSITION

MANAH TWO DEPARTURE

## RWY06

| 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              | —                   | —        | 063<br>(055.0) | -7.7               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | KAETU               | —        | —              | -7.7               | —             | L              | —             | —            | —              | RNAV1                    |
| 003           | TF              | MANAH               | —        | 162<br>(154.3) | -7.7               | 32.9          | —              | —             | —            | —              | RNAV1                    |

## RWY24

| 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              | —                   | —        | 243<br>(235.0) | -7.7               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | AWAZU               | Y        | —              | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | MANAH               | —        | 162<br>(154.7) | -7.7               | 28.0          | —              | —             | —            | —              | RNAV1                    |

KOMAKI TRANSITION

| 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              | MANAH               | —        | —              | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | KCC                 | —        | 162<br>(154.5) | -7.7               | 42.7          | —              | —             | —            | —              | RNAV1                    |

## STANDARD DEPARTURE CHART -INSTRUMENT



## STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

RNAV SID and TRANSITION

GINJO TWO DEPARTURE

## RWY06

| 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              | —                   | —        | 063<br>(055.0) | -7.7               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | HAKUI               | —        | —              | -7.7               | —             | L              | —             | —            | —              | RNAV1                    |
| 003           | TF              | GINJO               | —        | 014<br>(006.5) | -7.7               | 23.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | NTE                 | —        | 064<br>(056.0) | -7.7               | 15.0          | —              | —             | —            | —              | RNAV1                    |

## RWY24

| 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              | —                   | —        | 243<br>(235.0) | -7.7               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | HAKUI               | —        | —              | -7.7               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | GINJO               | —        | 014<br>(006.5) | -7.7               | 23.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | NTE                 | —        | 064<br>(056.0) | -7.7               | 15.0          | —              | —             | —            | —              | RNAV1                    |

KINZAN TRANSITION

| 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              | NTE                 | —        | —              | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | GOLDO               | —        | 063<br>(055.4) | -7.7               | 83.0          | —              | —             | —            | —              | RNAV1                    |

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

RNAV SID

| SONBU 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          | RWY06<br>YME: 30NM to SONBU - 6NM to SONBU<br>RWY24<br>YME: 23NM to SONBU - 6NM to SONBU |
|   | DME GAP               | RWY06<br>06DER - 44.5NM to SONBU<br>RWY24<br>24DER - 23NM to SONBU                       |
|   | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1  |

VAR 8°W(2014)



SONBU TWO DEPARTURE

RWY06 : Climb on HDG063° at or above 500FT, turn left direct to SONBU.  
 RWY24 : Climb on HDG243° at or above 500FT, turn right direct to SONBU.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

RNAV SID

SONBU TWO DEPARTURE

## RWY06

| 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              | —                   | —        | 063<br>(055.0) | -7.7               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | SONBU               | —        | —              | -7.7               | —             | L              | —             | —            | —              | RNAV1                    |

## RWY24

| 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              | —                   | —        | 243<br>(235.0) | -7.7               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | SONBU               | —        | —              | -7.7               | —             | R              | —             | —            | —              | RNAV1                    |

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

SID

NOTO TWO DEPARTURE

RWY06: Turn left,...

RWY24: Turn right,...

... climb via KMC R016 to intercept and proceed via NTE R244 to NTE VOR/DME.

Cross KMC R016/10.0DME at or below 7000FT, cross NTE R244/15.0DME at assigned altitude.



CHANGE : SID renamed



## STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

SID

MIYAZU FOUR DEPARTURE

RWY 06 : Turn left,...

RWY 24 : Turn right,...

...climb via KMC R286 to intercept and proceed via YME R040 to YME VOR/DME.

Cross KMC R286/10.0DME (YME R050) at or below 7000FT ( \*at 7000FT), cross YME R040/48.0DME (KMC R256) at assigned altitude.

\*YME R050 MRA 7000FT

KOMATSU REVERSAL THREE DEPARTURE

RWY 06 : Turn left,...

RWY 24 : Turn right,...

...climb via KMC R351, turn left to intercept and proceed via KMC R331 to KMC VORTAC within KMC 30.0DME.

Cross KMC R351/8.0DME at or below 7000FT, cross KMC R331/10.0DME at assigned altitude.

KAGA FOUR DEPARTURE

RWY 06 : Turn left,...

RWY 24 : Turn right,...

...climb via KMC R331 to intercept and proceed via KMC 30.0DME counterclockwise ARC, turn right to intercept and proceed via KMC R261 to SAKYU.

Cross KMC R331/8.0DME at or below 7000FT, cross KMC R275 at assigned altitude.

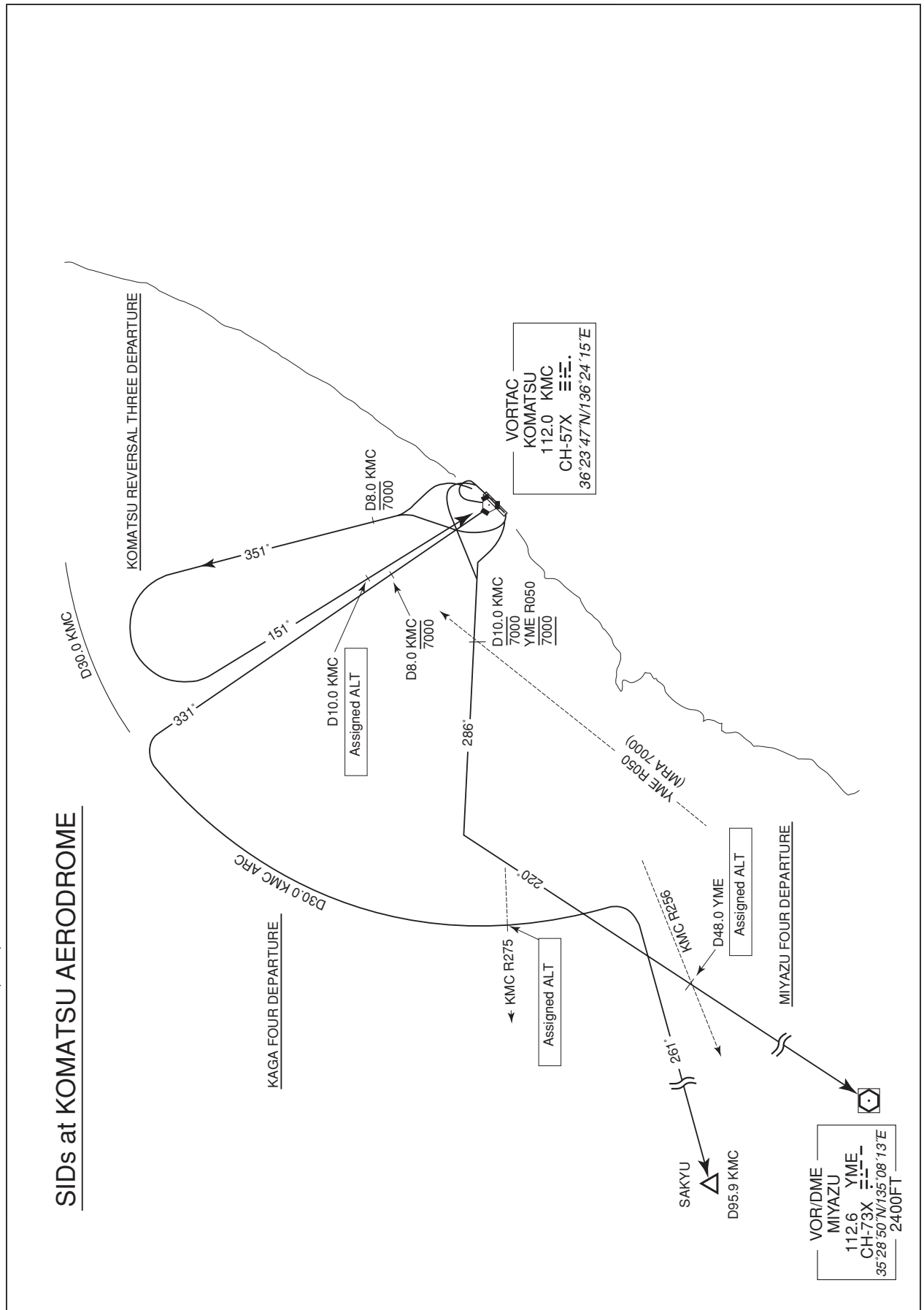
CHANGE : SID renamed

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

SID

CHANGE : SID renamed, MIYAZU VOR/DME(YME) added



## STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

RNAV STAR RWY06

## KOMATSU WEST ARRIVAL

RNAV 1

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

KOMATSU WEST ARRIVAL

From KMC, to SAWRA, to MEGIS at or above 4000FT, to KANOH, to DAIJO at or above 2000FT.

|                       |  |
|-----------------------|--|
| Critical DME          | KMC : 6.9nm to SAWRA - 5.0nm to SAWRA<br>KMC : 2.0nm to SAWRA - 5.0nm to MEGIS<br>KMC : MEGIS - 3.0nm to KANOH<br>YME : 6.9nm to SAWRA - 5.0nm to SAWRA<br>YME : 2.0nm to SAWRA - 5.0nm to MEGIS<br>YME : MEGIS - 3.0nm to KANOH |
| DME GAP               | KMC - 6.9nm to SAWRA<br>5.0nm to SAWRA - 2.0nm to SAWRA<br>5.0nm to MEGIS - MEGIS<br>3.0nm to KANOH - DAIJO  |
| 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              | KMC                 | —        | —              | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | SAWRA               | —        | 300<br>(292.6) | -7.7               | 9.9           | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | MEGIS               | —        | 224<br>(216.5) | -7.7               | 8.3           | —              | +4000         | —            | —              | RNAV1                    |
| 004           | TF              | KANOH               | —        | 183<br>(175.0) | -7.7               | 4.4           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | DAIJO               | —        | 093<br>(084.9) | -7.7               | 4.3           | —              | +2000         | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

RNAV STAR RWY06

## HIMMY WEST ARRIVAL

RNAV 1

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

VAR 8°W (2014)



## HIMMY WEST ARRIVAL

From HIMMY, to BURRI at or above 8000FT, to MEGIS at or above 4000FT, to KANOH, to DAIJO at or above 2000FT.

|                        |  |
|------------------------|--|
| Critical DME           | TOE : HIMMY - 11.0nm to BURRI<br>TOE : 8.0nm to MEGIS - 7.0nm to MEGIS<br>KMC : HIMMY - 30.0nm to BURRI<br>KMC : 24.0nm to BURRI - 22.0nm to BURRI<br>KMC : 17.0nm to BURRI - 15.0nm to BURRI<br>KMC : 8.0nm to MEGIS - 7.0nm to MEGIS<br>KMC : MEGIS - 3.0nm to KANOH<br>YME : MEGIS - 3.0nm to KANOH |
| DME GAP                | 7.0nm to MEGIS - MEGIS<br>3.0nm to KANOH - DAIJO   |
| 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              | HIMMY               | —        | —              | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | BURRI               | —        | 248<br>(239.9) | -7.7               | 34.8          | —              | +8000         | —            | —              | RNAV1                    |
| 003           | TF              | MEGIS               | —        | 224<br>(216.5) | -7.7               | 13.5          | —              | +4000         | —            | —              | RNAV1                    |
| 004           | TF              | KANOH               | —        | 183<br>(175.0) | -7.7               | 4.4           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | DAIJO               | —        | 093<br>(084.9) | -7.7               | 4.3           | —              | +2000         | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

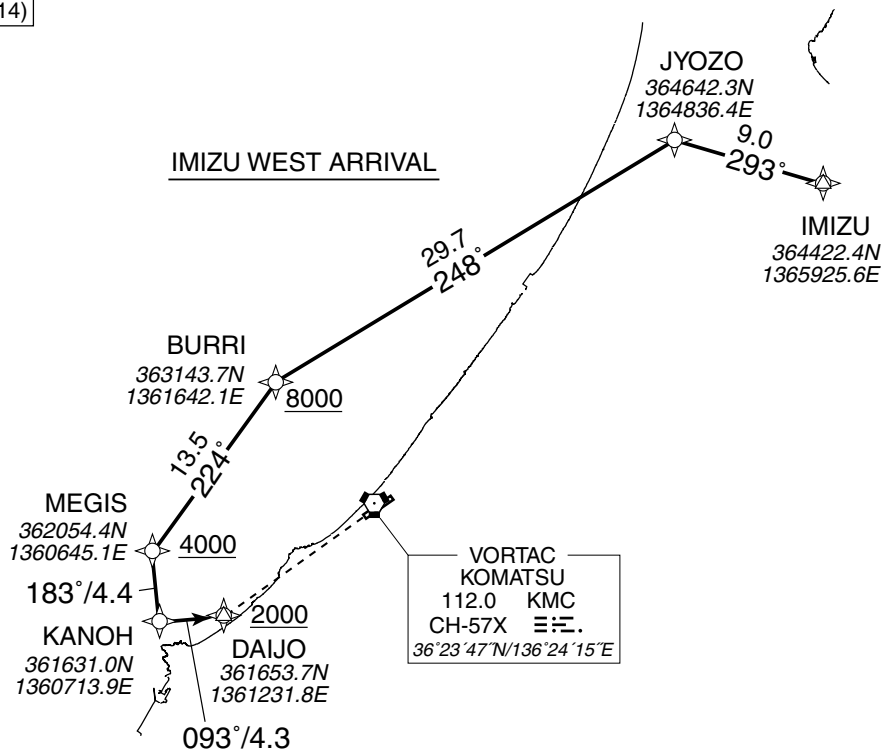
RNAV STAR RWY06

## IMIZU WEST ARRIVAL

RNAV 1

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

VAR 8°W (2014)

**IMIZU WEST ARRIVAL**

From IMIZU, to JYOZO, to BURRI at or above 8000FT, to MEGIS at or above 4000FT, to KANOH, to DAIJO at or above 2000FT.

|                       |   |
|-----------------------|---|
| Critical DME          | TOE : IMIZU - 10.0nm to BURRI<br>KMC : 4.0nm to JYOZO - JYOZO<br>KMC : 24.0nm to BURRI - 22.0nm to BURRI<br>KMC : 17.0nm to BURRI - 15.0nm to BURRI<br>KMC : 7.0nm to MEGIS - 5.0nm to MEGIS<br>KMC : MEGIS - 3.0nm to KANOH<br>YME : 7.0nm to MEGIS - 5.0nm to MEGIS<br>YME : MEGIS - 3.0nm to KANOH |
| DME GAP               | 5.0nm to MEGIS - MEGIS<br>3.0nm to KANOH - DAIJO  |
| 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              | IMIZU               | —        | —             | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | JYOZO               | —        | 293 (285.1)   | -7.7               | 9.0           | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | BURRI               | —        | 248 (239.8)   | -7.7               | 29.7          | —              | +8000         | —            | —              | RNAV1                    |
| 004           | TF              | MEGIS               | —        | 224 (216.5)   | -7.7               | 13.5          | —              | +4000         | —            | —              | RNAV1                    |
| 005           | TF              | KANOH               | —        | 183 (175.0)   | -7.7               | 4.4           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | DAIJO               | —        | 093 (084.9)   | -7.7               | 4.3           | —              | +2000         | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

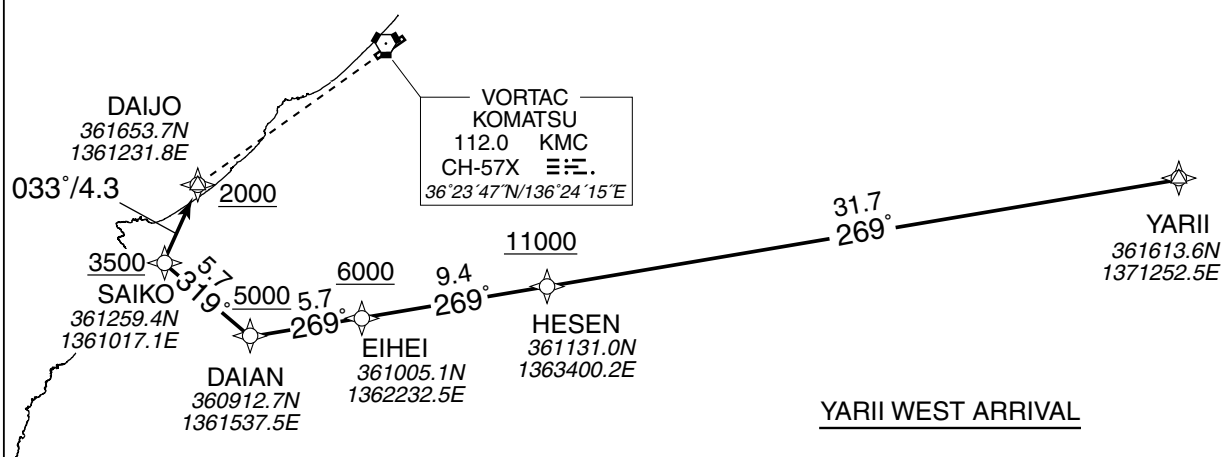
RNAV STAR RWY06

## YARII WEST ARRIVAL

RNAV 1

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

VAR 8°W (2014)

YARII WEST ARRIVAL

From YARII, to HESEN at or above 11000FT, to EIHEI at or above 6000FT, to DAIAN at or above 5000FT, to SAIKO at or above 3500FT, to DAIJO at or above 2000FT.

|                       |   |
|-----------------------|---|
| Critical DME          | KMC : 14.0nm to HESEN -EIHEI<br>YME : HESEN-EIHEI |
| DME GAP               | EIHEI - DAIJO                                     |
| 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              | YARII               | —        | —              | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | HESEN               | —        | 269<br>(261.6) | -7.7               | 31.7          | —              | +11000        | —            | —              | RNAV1                    |
| 003           | TF              | EIHEI               | —        | 269<br>(261.3) | -7.7               | 9.4           | —              | +6000         | —            | —              | RNAV1                    |
| 004           | TF              | DAIAN               | —        | 269<br>(261.1) | -7.7               | 5.7           | —              | +5000         | —            | —              | RNAV1                    |
| 005           | TF              | SAIKO               | —        | 319<br>(311.3) | -7.7               | 5.7           | —              | +3500         | —            | —              | RNAV1                    |
| 006           | TF              | DAIJO               | —        | 033<br>(024.9) | -7.7               | 4.3           | —              | +2000         | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

RNAV STAR RWY06

## SONBU WEST ARRIVAL

RNAV 1

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

VAR 8°W (2014)

SONBU WEST ARRIVAL

From SONBU, to KRAKE at or above 5000FT, to KOAJI at or above 3500FT, to DAIJO at or above 2000FT.

|                       |  |
|-----------------------|--|
| Critical DME          | KMC : SONBU - 8.0nm to KRAKE<br>YME : SONBU - 8.0nm to KRAKE |
| DME GAP               | 8.0nm to KRAKE - DAIJO                                       |
| 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              | SONBU               | —        | —              | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | KRAKE               | —        | 116<br>(108.5) | -7.7               | 16.2          | —              | +5000         | —            | —              | RNAV1                    |
| 003           | TF              | KOAJI               | —        | 062<br>(054.7) | -7.7               | 10.0          | —              | +3500         | —            | —              | RNAV1                    |
| 004           | TF              | DAIJO               | —        | 063<br>(054.8) | -7.7               | 8.3           | —              | +2000         | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

RNAV STAR RWY24

## KOMATSU EAST ARRIVAL

RNAV 1

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

VAR 8°W (2014)



## KOMATSU EAST ARRIVAL

From KMC, to YAMJI, to ZEBRA at or above 4000FT, to HIMRO at or above 2600FT.

|                       |  |
|-----------------------|--|
| Critical DME          | KMC : 6.6nm to YAMJI - YAMJI<br>YME : 6.6nm to YAMJI - YAMJI |
| DME GAP               | KMC - 6.6nm to YAMJI<br>YAMJI - HIMRO                        |
| 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              | KMC                 | —        | —              | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | YAMJI               | —        | 360<br>(352.5) | -7.7               | 9.6           | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | ZEBRA               | —        | 080<br>(072.2) | -7.7               | 4.5           | —              | +4000         | —            | —              | RNAV1                    |
| 004           | TF              | HIMRO               | —        | 083<br>(075.6) | -7.7               | 5.0           | —              | +2600         | —            | —              | RNAV1                    |



## STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

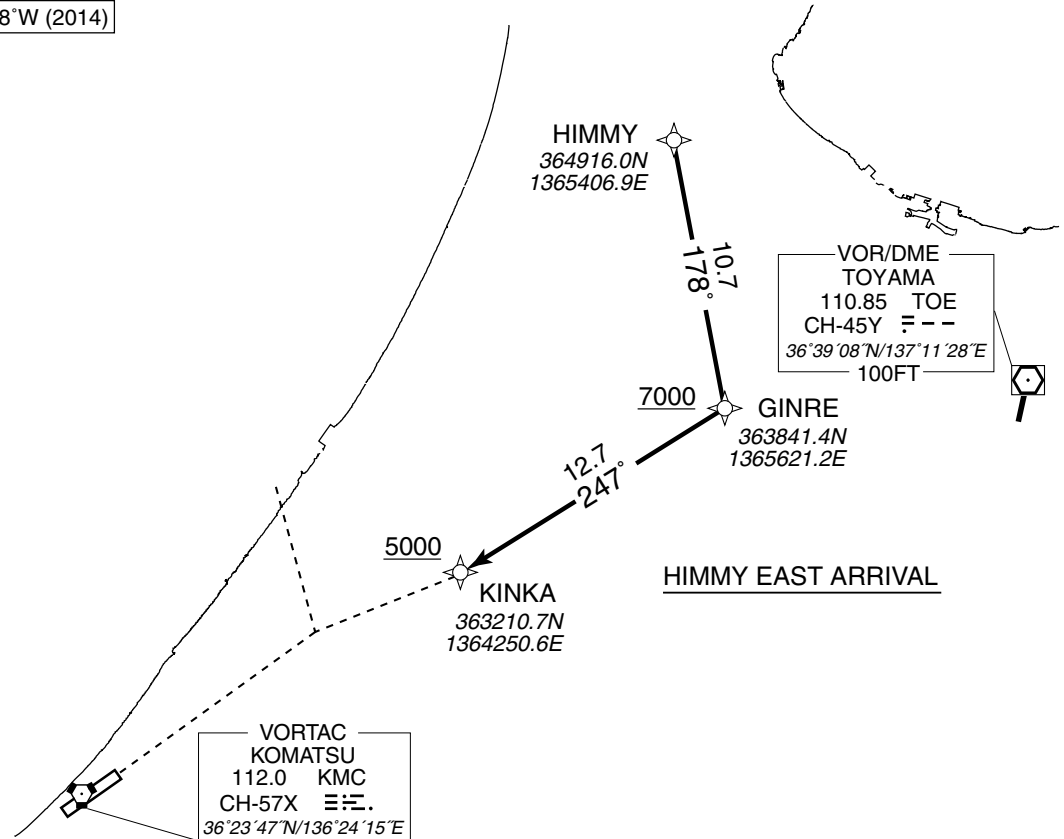
RNAV STAR RWY24

## HIMMY EAST ARRIVAL

RNAV 1

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

VAR 8°W (2014)

HIMMY EAST ARRIVAL

From HIMMY, to GINRE at or above 7000FT, to KINKA at or above 5000FT.

|                        |  |
|------------------------|--|
| Critical DME           | TOE : HIMMY - GINRE<br>TOE : 12.0nm to KINKA - 9.0nm to KINKA<br>KMC : HIMMY - 7.0nm to GINRE<br>KMC : 6.0nm to GINRE - 2.0nm to GINRE<br>YME : 12.0nm to KINKA - 9.0nm to KINKA |
| DME GAP                | GINRE - 12.0nm to KINKA<br>9.0nm to KINKA - KINKA  |
| 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              | HIMMY               | —        | —              | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | GINRE               | —        | 178<br>(170.4) | -7.7               | 10.7          | —              | +7000         | —            | —              | RNAV1                    |
| 003           | TF              | KINKA               | —        | 247<br>(239.1) | -7.7               | 12.7          | —              | +5000         | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

RNAV STAR RWY24

## IMIZU EAST ARRIVAL

RNAV 1

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

VAR 8°W (2014)



## IMIZU EAST ARRIVAL

From IMIZU, to GINRE at or above 7000FT, to KINKA at or above 5000FT.

|                        |   |
|------------------------|---|
| Critical DME           | TOE : IMIZU - GINRE<br>TOE : 12.0nm to KINKA - 9.0nm to KINKA<br>KMC : IMIZU - 2.0nm to GINRE<br>YME : 12.0nm to KINKA - 9.0nm to KINKA |
| DME GAP                | GINRE - 12.0nm to KINKA<br>9.0nm to KINKA - KINKA   |
| 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              | IMIZU               | —        | —              | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | GINRE               | —        | 211<br>(203.4) | -7.7               | 6.2           | —              | +7000         | —            | —              | RNAV1                    |
| 003           | TF              | KINKA               | —        | 247<br>(239.1) | -7.7               | 12.7          | —              | +5000         | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

RNAV STAR RWY24

## YARII EAST ARRIVAL

RNAV 1

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

VAR 8°W (2014)



## YARII EAST ARRIVAL

From YARII, to HIDAH at or above 11000FT, to GINRE at or above 7000FT, to KINKA at or above 5000FT.

|                        |  |
|------------------------|--|
| Critical DME           | TOE : 8.0nm to HIDAH - 8.0nm to GINRE<br>TOE : 1.0nm to GINRE - GINRE<br>TOE : 12.0nm to KINKA - 9.0nm to KINKA<br>KMC : 2.0nm to HIDAH - 8.0nm to GINRE<br>YME : 1.0nm to GINRE - GINRE<br>YME : 12.0nm to KINKA - 9.0nm to KINKA |
| DME GAP                | 8.0nm to GINRE - 1.0nm to GINRE<br>GINRE - 12.0nm to KINKA<br>9.0nm to KINKA - KINKA   |
| 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              | YARII               | —        | —              | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | HIDAH               | —        | 337<br>(329.5) | -7.7               | 16.7          | —              | +11000        | —            | —              | RNAV1                    |
| 003           | TF              | GINRE               | —        | 337<br>(329.4) | -7.7               | 9.4           | —              | +7000         | —            | —              | RNAV1                    |
| 004           | TF              | KINKA               | —        | 247<br>(239.1) | -7.7               | 12.7          | —              | +5000         | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

RNAV STAR RWY24

## SONBU EAST ARRIVAL

RNAV 1

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

VAR 8°W (2014)



## SONBU EAST ARRIVAL

From SONBU, to BURRI at or above 8000FT, to ZEBRA at or above 4000FT, to HIMRO at or above 2600FT.

|                        |  |
|------------------------|--|
| Critical DME           | YME : SONBU - 8.0nm to BURRI<br>KMC : 34.0nm to BURRI - 8.0nm to BURRI<br>KMC : 7.0nm to BURRI - 5.0nm to BURRI<br>KMC : BURRI - 7.0nm to ZEBRA<br>KMC : 6.0nm to ZEBRA - 5.0nm to ZEBRA<br>TOE : 7.0nm to BURRI - 5.0nm to BURRI<br>TOE : BURRI - 7.0nm to ZEBRA<br>TOE : 6.0nm to ZEBRA - 5.0nm to ZEBRA |
| DME GAP                | 8.0nm to BURRI - 7.0nm to BURRI<br>5.0nm to ZEBRA - HIMRO  |
| Inappropriate Nav aids | See AD1.1.6.10.3 Inappropriate NAVAIDS for RNAV1   |

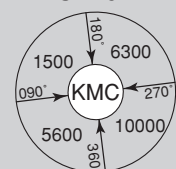
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | SONBU               | —        | —             | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | BURRI               | —        | 066 (058.8)   | -7.7               | 39.2          | —              | +8000         | —            | —              | RNAV1                    |
| 003           | TF              | ZEBRA               | —        | 080 (072.1)   | -7.7               | 9.6           | —              | +4000         | —            | —              | RNAV1                    |
| 004           | TF              | HIMRO               | —        | 083 (075.6)   | -7.7               | 5.0           | —              | +2600         | —            | —              | RNAV1                    |

## RJNK / KOMATSU

ILS Z or LOC Z RWY06

VAR 8°W (2018)

MSA 25NM



EQPT REQUIRED  
DME  
VOR

1798 •

3117

5082 .

5328

|                      |      |      |      |      |     |     |      |
|----------------------|------|------|------|------|-----|-----|------|
| NM to IKM            | FAF  | 6    | 5    | 4    | 3   | 2   | MAPt |
| ALT (3.0° APCH Path) | 1964 | 1936 | 1618 | 1299 | 981 | 662 | –    |



### MISSED APPROACH

Climb to 500FT on HDG063°,  
turn left, via KMC R035 to 7.0DME,  
turn left, direct to KMC VORTAC and  
hold at 4000FT.  
Contact KOMATSU APP

Timing not authorized for defining the MAPt.

|      |     |     |     |     |     |            |
|------|-----|-----|-----|-----|-----|------------|
| 11.2 | 6.1 | 3.6 | 1.3 | 0.7 | 0.2 | DME to IKM |
| 11.0 | 5.9 | 3.5 | 1.2 | 0.5 | 0   | NM to THR  |

| MINIMA |           | THR elev. 38 |           | AD elev. 22 |           |      |
|--------|-----------|--------------|-----------|-------------|-----------|------|
| CAT    | CAT I     |              | LOC       |             | CIRCLING  |      |
|        | DA(H)     | RVR/<br>CMV  | MDA(H)    | RVR/<br>CMV | MDA(H)    | VIS  |
| A      | 238 (200) | 750          | 440 (418) | 900         | 510 (488) | 1600 |
| B      |           |              |           | 1000        |           |      |
| C      |           |              |           |             |           |      |
| D      |           |              |           | 1400        | 580 (558) | 3200 |

CHANGE : VAR, MSA

## INSTRUMENT APPROACH CHART

RJNK / KOMATSU

ILS Y or LOC Y RWY06



## INSTRUMENT APPROACH CHART

RJNK / KOMATSU

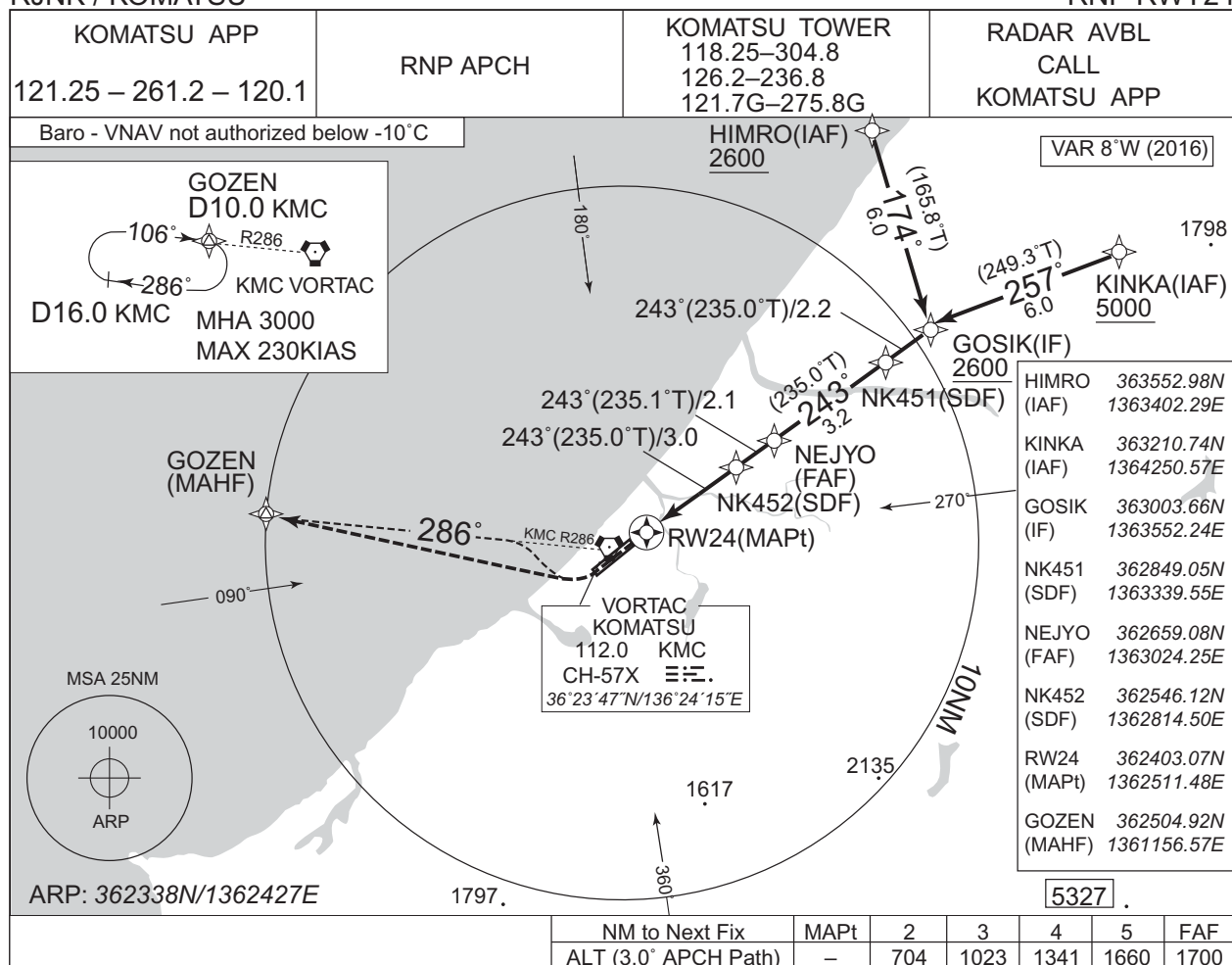
VOR RWY06



## INSTRUMENT APPROACH CHART

RJNK / KOMATSU

RNP RWY24



## MISSED APPROACH

Turn right, direct to GOZEN  
and hold at 3000FT.  
Contact KOMATSU APP.

(For using VORTAC)

Climb to 3000FT via KMC R286  
to GOZEN and hold.  
Contact KOMATSU APP.



## MINIMA

THR elev. 18

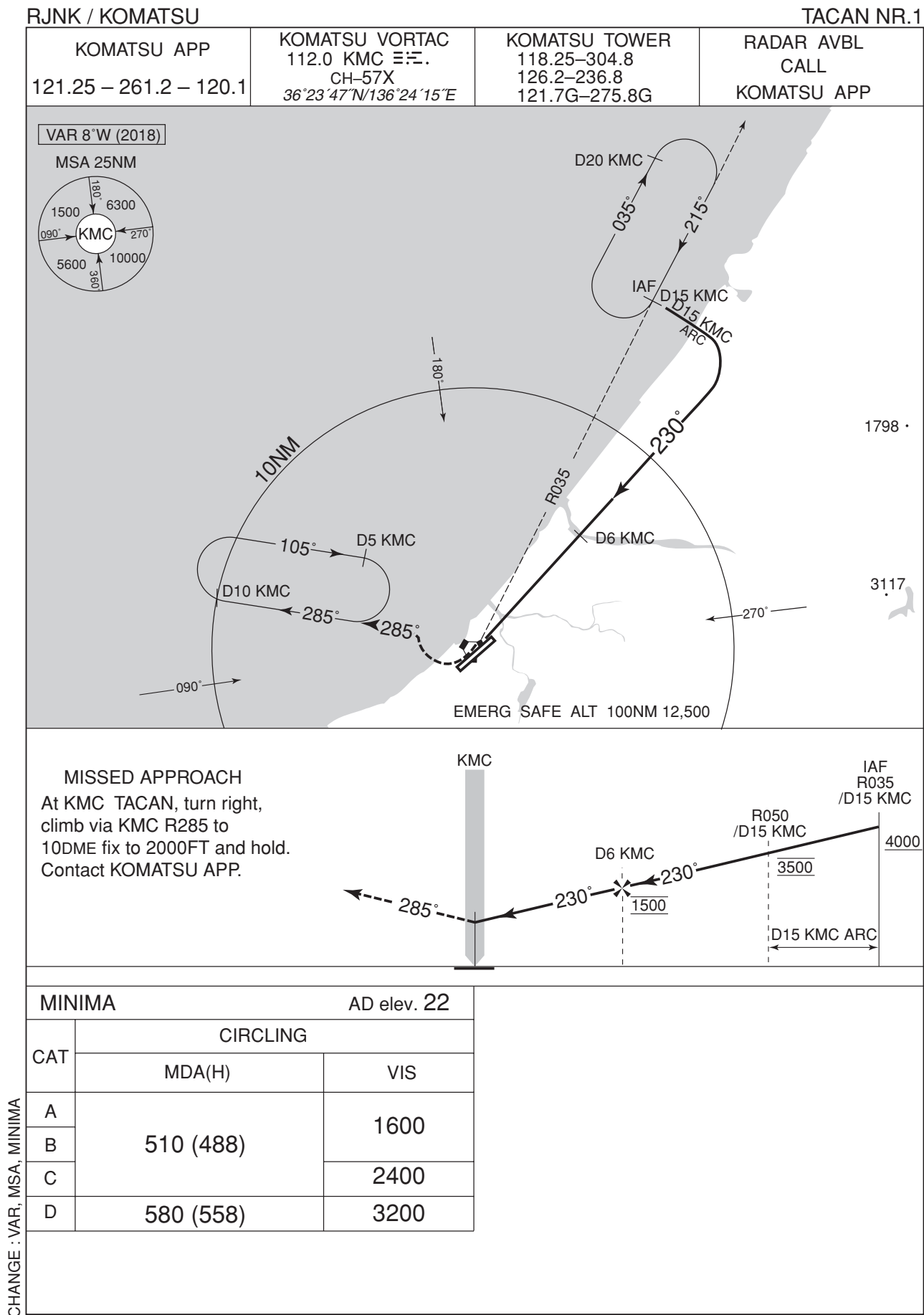
AD elev. 22

| CAT | LNAV/VNAV |             | LNAV      |             | CIRCLING  |      |
|-----|-----------|-------------|-----------|-------------|-----------|------|
|     | DA(H)     | RVR/<br>CMV | MDA(H)    | RVR/<br>CMV | MDA(H)    | VIS  |
| A   | 420 (402) | 1200        | 420 (398) | 1200        | 510 (488) | 1600 |
| B   |           | 1300        |           | 1300        |           |      |
| C   |           | 1400        |           | 1400        |           |      |
| D   |           | 1600        |           | 1600        | 580 (558) | 3200 |

CHANGE:PROC renamed. Requirement for RNP.



INSTRUMENT APPROACH CHART

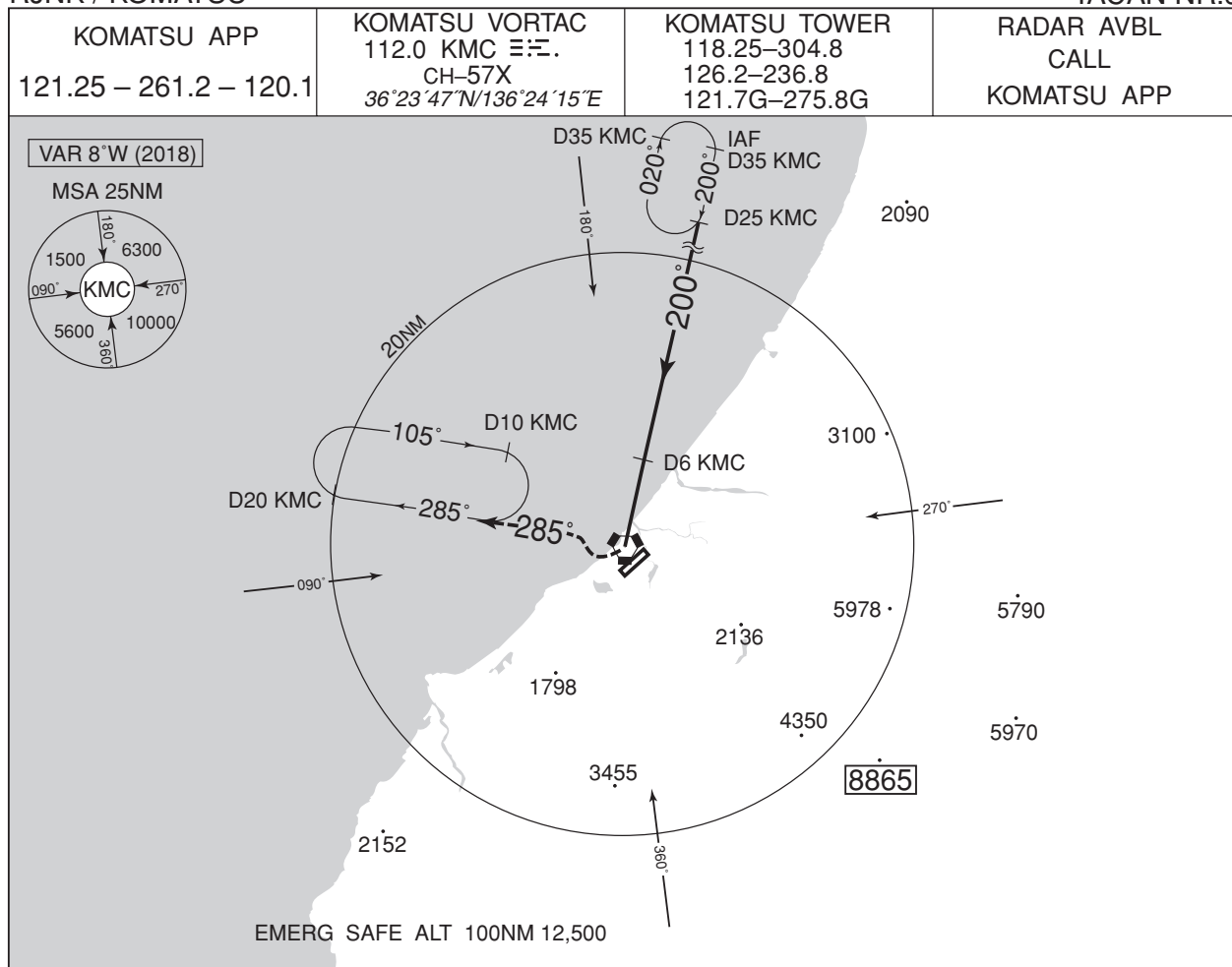




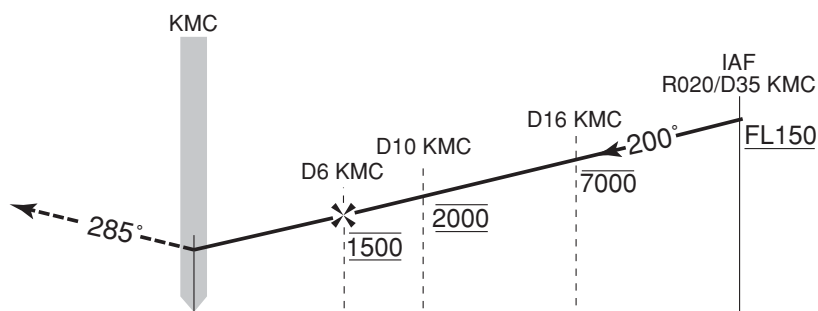
INSTRUMENT APPROACH CHART

RJNK / KOMATSU

TACAN NR.3



**MISSED APPROACH**  
 At KMC TACAN, turn right,  
 climb via KMC R285 to 20DME  
 fix to 3000FT and hold.  
 Contact KOMATSU APP.



**MINIMA** AD elev. 22

| CAT | CIRCLING  |      |
|-----|-----------|------|
|     | MDA(H)    | VIS  |
| A   | 510 (488) | 1600 |
| B   |           | 2400 |
| C   |           |      |
| D   | 580 (558) | 3200 |

CHANGE : VAR, MSA, MINIMA

## INSTRUMENT APPROACH CHART

RJNK / KOMATSU

TACAN NR.4



MINIMA

AD elev. 22

| CAT | CIRCLING  |      |
|-----|-----------|------|
|     | MDA(H)    | VIS  |
| A   | 540 (518) | 1600 |
| B   |           |      |
| C   |           | 2400 |
| D   | 580 (558) | 3200 |

CHANGE : VAR, MSA



注： 小松飛行場の本滑走路の供用開始に伴い、着陸する航空機は、運用を廃止した仮設滑走路に誤認着陸しないように注意すること。

Note: With an in-service start of this runway of Komatsu aerodrome, warn a landing aircraft not to land at the out-service temporary runway.

備考：1. 仮設滑走路には禁止標識が設置される（300m以内に1個標準）。

2. 航空機の到着機がある場合は、気象状態にかかわらず着陸滑走路の進入灯が常時点灯される。

3. 管制官からの着陸許可発出後に注意喚起のため、次の用語が通報される場合がある。

用語例：「VERIFY LANDING RUNWAY.」

Rem: 1. A closed marking is installed in a temporary runway (one less than 300m, standard).

2. When there is arrival aircraft, approach lights of a landing runway is always turned on regardless of a weather state.

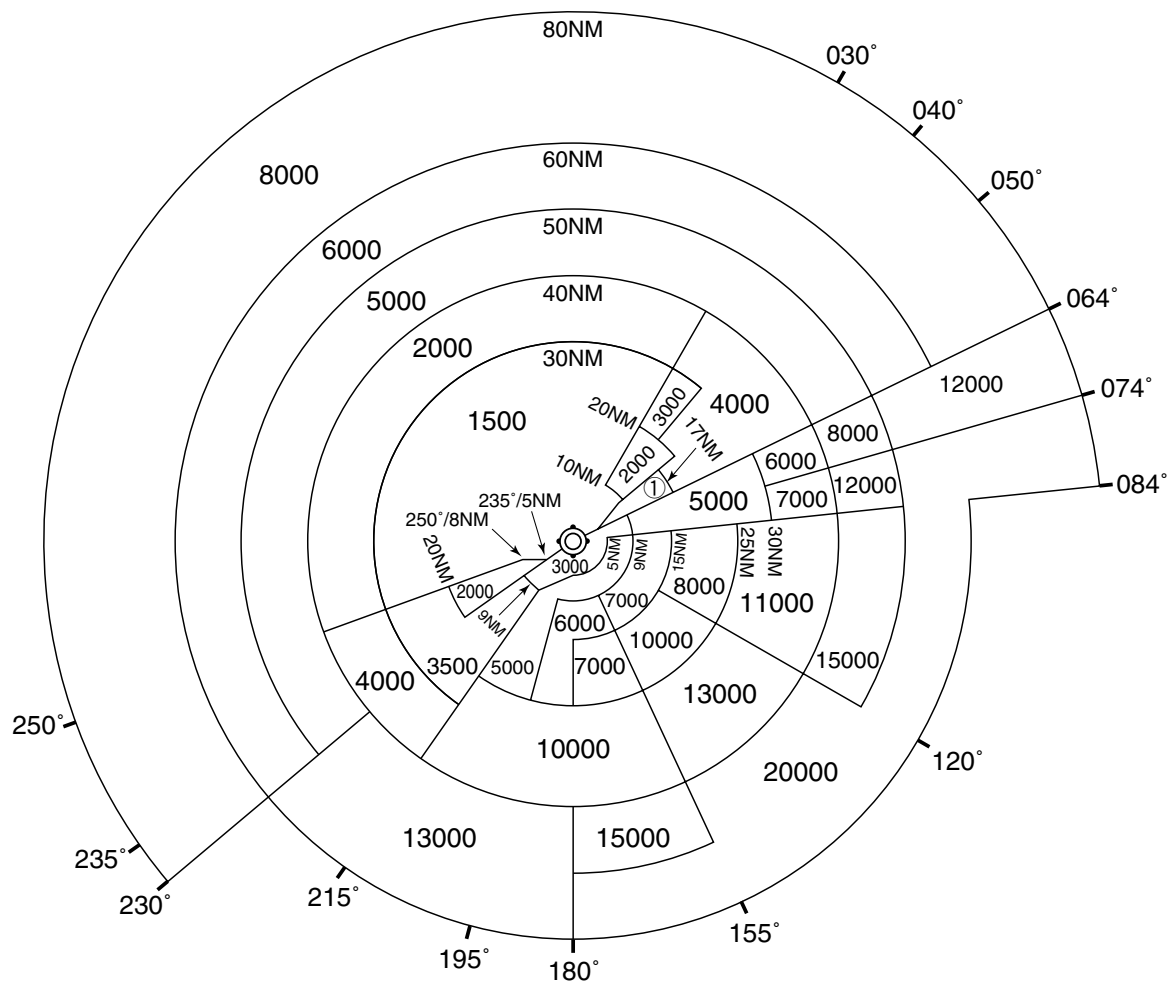
3. There is the case that the next term is reported to for attention awakening after a landing permission from a ATC.

A term example : 「VERIFY LANDING RUNWAY.」 .

RJNK / KOMATSU

Minimum Vectoring Altitude CHART

VAR 8°W (2009)



CENTER : 362322N/1362441E (RADAR SITE)

