**General Info**
Semarang, IDN  
S 06° 58.6’   E110° 22.6’   Mag Var: 0.0°W  
Elevation: 13’

Military, IFR, Control Tower, Customs  
Fuel: 100-130, Jet A-1

Time Zone Info: GMT+7:00 no DST

**Runway Info**
Runway 13-31  8793' x 148' asphalt

Runway 13  (129.0°M)   TDZE 13'   
Lights: Edge, ALS, REIL  
Stopway Distance 197’

Runway 31  (309.0°M)   TDZE 10’   
Lights: Edge, ALS, REIL  
Displaced Threshold Distance 394’

**Communications Info**
ATIS 126.0  
Yani Tower 122.3  
Semarang Approach Control 120.3 TCA

**Notebook Info**
ARRIVALS RWY 13
BLORA ONE ALPHA, LASEM THREE ALPHA, MADIN ONE ALPHA, PIALA THREE ALPHA, PURWO TWO ALPHA

**STAR**

<table>
<thead>
<tr>
<th>STAR</th>
<th>ROUTING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BLORA ONE ALPHA</strong></td>
<td>Fly using W-45/G-461. At BA proceed to overhead ANY and then turn RIGHT to join ANY R-309. Proceed to KENDA (D13 ANY).</td>
</tr>
<tr>
<td><strong>LASEM THREE ALPHA</strong></td>
<td>Fly using W-52. At LASEM proceed to overhead ANY and then turn RIGHT to join ANY R-309. Proceed to KENDA (D13 ANY).</td>
</tr>
<tr>
<td><strong>MADIN ONE ALPHA</strong></td>
<td>Arrival from MADIN using A-576S. At JATIB turn RIGHT, fly heading 204°. Proceed to KENDA (D13 ANY) on ANY R-309.</td>
</tr>
<tr>
<td><strong>PIALA THREE ALPHA</strong></td>
<td>Arrival from PIALA using W-45/G-461. At PRAHU turn LEFT, fly heading 077°. Proceed to KENDA (D13 ANY) on ANY R-309.</td>
</tr>
<tr>
<td><strong>PURWO TWO ALPHA</strong></td>
<td>Fly using W-17N. At PURWO proceed to overhead ANY and then turn RIGHT to join ANY R-309. Proceed to KENDA (D13 ANY).</td>
</tr>
</tbody>
</table>

**NOT TO SCALE**
ARRIVALS RWY 31
BLORA ONE BRAVO, LASEM ONE BRAVO, MADIN ONE BRAVO,
PIALA ONE BRAVO, PURWO ONE BRAVO

** STAR ROUTING **

<table>
<thead>
<tr>
<th>STAR</th>
<th>ROUTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLORA ONE BRAVO</td>
<td>Fly using W-45/G-461. At KARAN (D30 ANY) turn LEFT, fly heading 264°. Proceed to EMASA (D9.2 ANY) on ANY R-105.</td>
</tr>
<tr>
<td>LASEM ONE BRAVO</td>
<td>Fly using W-52. At BUGEL (D30 ANY) turn LEFT, fly heading 241°. Proceed to EMASA (D9.2 ANY) on ANY R-105.</td>
</tr>
<tr>
<td>MADIN ONE BRAVO</td>
<td>Arrival from MADIN, fly to overhead ANY, then turn LEFT to join ANY R-105. Proceed to EMASA (D9.2 ANY).</td>
</tr>
<tr>
<td>PIALA ONE BRAVO</td>
<td>Arrival from PIALA, fly to overhead ANY, then turn RIGHT to join ANY R-105. Proceed to EMASA (D9.2 ANY).</td>
</tr>
<tr>
<td>PURWO ONE BRAVO</td>
<td>Fly using W-17N. At PURWO turn LEFT, fly heading 308°. Proceed to EMASA (D9.2 ANY) on ANY R-105.</td>
</tr>
</tbody>
</table>

** CHANGES: ** ANY renamed SEMARANG.
DEPARTURES RWY 13
BLORA TWO CHARLIE, KIDET TWO ALPHA,
MADIN ONE CHARLIE, PURWO TWO CHARLIE

At or above 6000'

At or above 1500'

At or above 2000'

BLORA TWO CHARLIE
MADIN ONE CHARLIE
PURWO TWO CHARLIE

BLORA TWO CHARLIE
Take off, immediately turn LEFT, join ANY R-114. Climb to 1500', then turn LEFT heading 069° to join W-17N to BLORA.

KIDET TWO ALPHA
Take off, immediately turn LEFT, join ANY R-114. Climb to 2000', then turn LEFT heading 245°, proceed to overhead ANY. Then join W-17N on ANY R-302 to KIDET.

MADIN ONE CHARLIE
Take off, immediately turn LEFT, join ANY R-114. Climb to 2000', then turn LEFT heading 314° to join A-576S on ANY R-359 to MADIN.

PURWO TWO CHARLIE
Take off, immediately turn LEFT, join ANY R-114. Climb to 1500', then turn RIGHT to join W-17N on ANY R-120 to PURWO.

These SIDs require a minimum climb gradient of 8.0%.

Gnd speed-KT
75 100 150 200 250 300

8.0% (V/V)fpm
608 810 1215 1620 2025 2430

CHANGES: ANY renamed SEMARANG.
DEPARTURES RWY 31
BLORA THREE DELTA, BLORA THREE ECHO, KIDET THREE BRAVO,
MADIN ONE DELTA, PURWO THREE DELTA, PURWO THREE ECHO

Direct distance from Achmad Yani Apt to:
KIDET 75 NM
MADIN 40 NM

<table>
<thead>
<tr>
<th>SID</th>
<th>INITIAL CLIMB</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLORA THREE DELTA</td>
<td>Climb straight ahead until 1500', then turn RIGHT heading 110° to join W-45/G-461 on ANY R-090 to BA.</td>
</tr>
<tr>
<td>BLORA THREE ECHO</td>
<td>Climb straight ahead until 2000', then turn LEFT. Proceed to overhead ANY, then join W-45/G-461 on ANY R-090 to BA.</td>
</tr>
<tr>
<td>KIDET THREE BRAVO</td>
<td>Take off, climb straight ahead until 2000', then turn LEFT to join W-17N on ANY R-302 to KIDET.</td>
</tr>
<tr>
<td>MADIN ONE DELTA</td>
<td>Climb straight ahead until 1500', then turn RIGHT heading 020° to join A-576S on ANY R-359 to MADIN.</td>
</tr>
<tr>
<td>PURWO THREE DELTA</td>
<td>Climb straight ahead until 1500', then turn RIGHT. Proceed to overhead ANY, then join W-17N on ANY R-120 to PURWO.</td>
</tr>
<tr>
<td>PURWO THREE ECHO</td>
<td>Climb straight ahead until 2000', then turn LEFT to ANY. Then join W-17N on ANY R-120 to PURWO.</td>
</tr>
</tbody>
</table>
**SEMARANG, INDONESIA**
**VOR DME RNAV Rwy 13**

**BRIEFING STRIP**

- **VOR**
  - ANY
  - 115.2
- **Final Apch Crs**
  - 129°
- **Minimum Alt**
  - D6.2
  - 1660' (1647')
- **MDA(H)**
  - 500' (487')
- **Apt Elev**
  - 13'
- **Rwy**
  - 13
  - 13'

**MISSED APCH:** Immediately turn LEFT climb to 3000' join outbound ANY VOR R-309 proceed to KENDA/D13.0 for holding, consecutive approach or as instructed by ATC.

**STRAIGHT-IN LANDING RWY 13**

- **MDA(H)**
  - 500' (487')

**CIRCLE-TO-LAND**

**STRONG SPEED-Kts**

<table>
<thead>
<tr>
<th>Rate of descent on final (feet/min)</th>
<th>478</th>
<th>531</th>
<th>584</th>
<th>637</th>
<th>690</th>
<th>743</th>
<th>796</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP at D1.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D6.2 to MAP</td>
<td>5.0</td>
<td>3:20</td>
<td>3:00</td>
<td>2:44</td>
<td>2:30</td>
<td>2:18</td>
<td>2:09</td>
</tr>
</tbody>
</table>

**PANS OPS**

- **A**
  - 1600m
  - 1000' (987')-3300m
- **B**
  - 2000m
  - 1000' (987')-3900m
- **C**
  - 2000m
  - 1600' (1587')-4900m
- **D**
  - 2800m
  - 2100' (2087')-5400m

**CHANGES:** None.
**Apt Elev:** 13’

**Notice:** After 31 Jul 2009 0901Z, this chart may no longer be valid. Disc 14-2009

**CHANGES:** Runway 31 stopway removed, lighting.

---

**AIR CARRIER (JAA)**

**LVP must be in Force**

<table>
<thead>
<tr>
<th>All Rwys</th>
<th>All Rwys</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RCLM (DAY only)</strong> or RL</td>
<td><strong>RCLM (DAY only)</strong> or RL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>A</strong></th>
<th><strong>B</strong></th>
<th><strong>C</strong></th>
<th><strong>D</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>250m</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>400m</td>
<td></td>
<td></td>
<td></td>
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<tr>
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</tbody>
</table>

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**RUNWAY INFORMATION**

<table>
<thead>
<tr>
<th>RWY</th>
<th><strong>LENGTHS</strong></th>
<th><strong>WIDHT</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>RL (60m) MALS REIL PAPI-L (angle 3.0°)</td>
<td>148’ 45m</td>
</tr>
<tr>
<td>31</td>
<td>RL (60m) MALS PAPI-L (angle 3.0°)</td>
<td>8399’2560m</td>
</tr>
</tbody>
</table>

---

**TWR**

- **ATIS**
- **YANI Tower**

**WX**

- *YANI Tower* 122.3
- *ATIS* 126.0

**ACOM**

- **VOR**
- **NDB**

**Bldg Area**

- West Apron
- Main Apron
- Civil Apron
- ARP

**Stopway**

- 197’60m

---

**ADDITIONAL RUNWAY INFORMATION**

- **Stopway**
- **Threshold**
- **USABLE LENGTHS**
- **Glide Slope**
- **TAKE-OFF**
- **WIDHT**

---

**Right downwind 13 and left downwind 31 just for military exercise.**

- Twy B, C, D & E for military use only.
- Aircraft not permitted to start engine on parking stand 6 before turn to left.
- Birds concentration.
**Missed Approach:** Climb on 285° to 1500' then turn RIGHT to overhead ANY VOR climbing to 3000' join outbound ANY VOR R-105 at EMASA/D9.2 for holding, consecutive approach or as instructed by ATC.

**Terrain:**

```
**CHANGES:** SEMARANG VOR.
```

**VOR/climb**

```
<table>
<thead>
<tr>
<th>VOR</th>
<th>Final Apch Crs</th>
<th>Minimum Alt</th>
<th>MDA(H)</th>
<th>Apt Elev</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANY</td>
<td>285°</td>
<td>1650'</td>
<td>1500'</td>
<td></td>
</tr>
<tr>
<td>ANY</td>
<td>126.0</td>
<td>120.3</td>
<td>122.3</td>
<td></td>
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</tbody>
</table>
```

**PANS OPS**

```
<table>
<thead>
<tr>
<th>Rate</th>
<th>MDA(H)</th>
<th>MSA ANY VOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 Kts</td>
<td>1000' (987') - 3300m</td>
<td></td>
</tr>
<tr>
<td>135 Kts</td>
<td>1000' (987') - 3900m</td>
<td></td>
</tr>
<tr>
<td>160 Kts</td>
<td>1600' (1587') - 4900m</td>
<td></td>
</tr>
<tr>
<td>205 Kts</td>
<td>2100' (2087') - 5400m</td>
<td></td>
</tr>
</tbody>
</table>
```