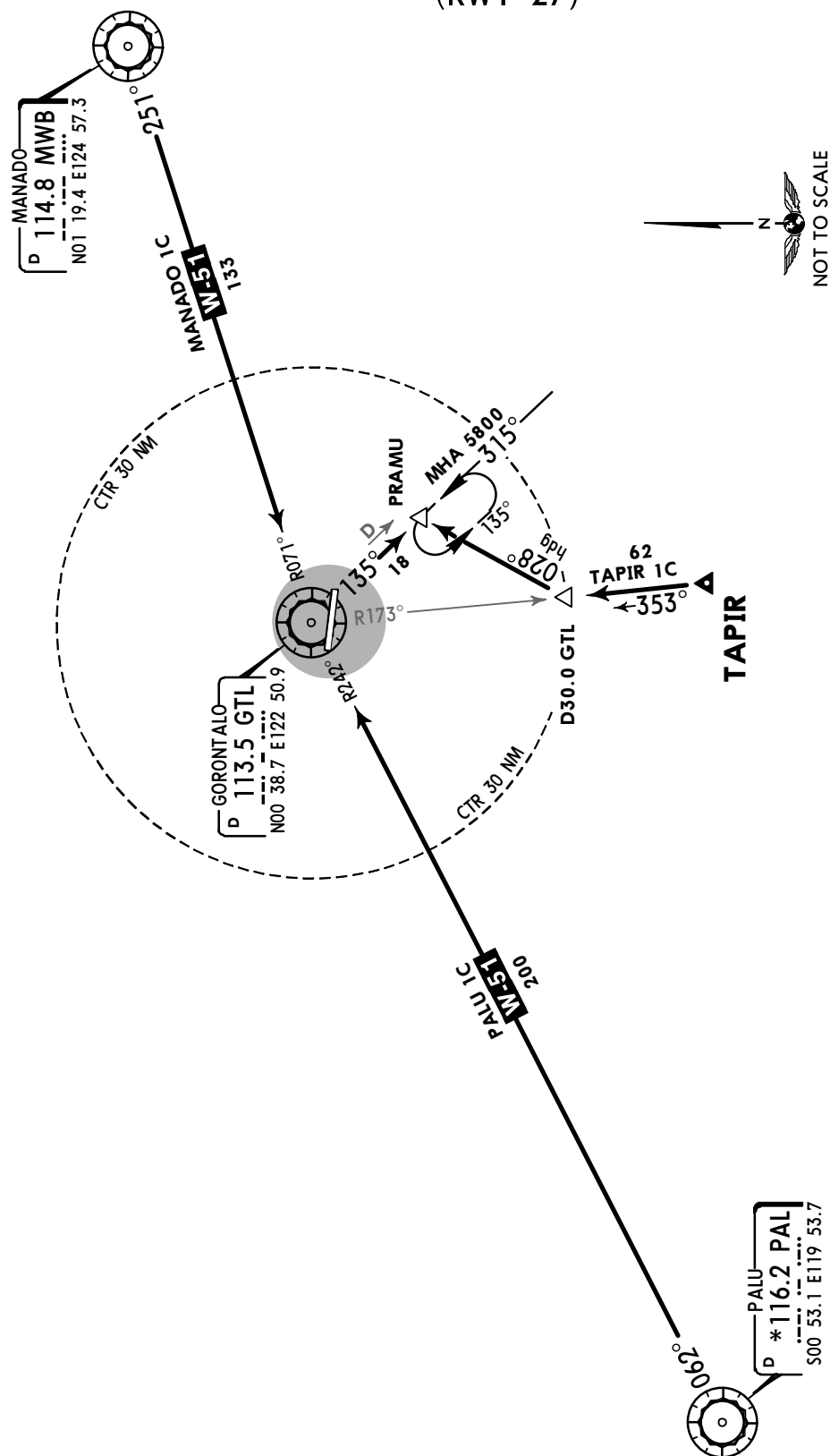


ATIS  
126.55Apt Elev  
124'Alt set: hPa  
Trans level: FL130 Trans alt: 11000'MANADO 1C [MWB1C]  
PALU 1C [PAL1C]  
TAPIR 1C [TAPI1C]  
ARRIVALS  
(RWY 27)

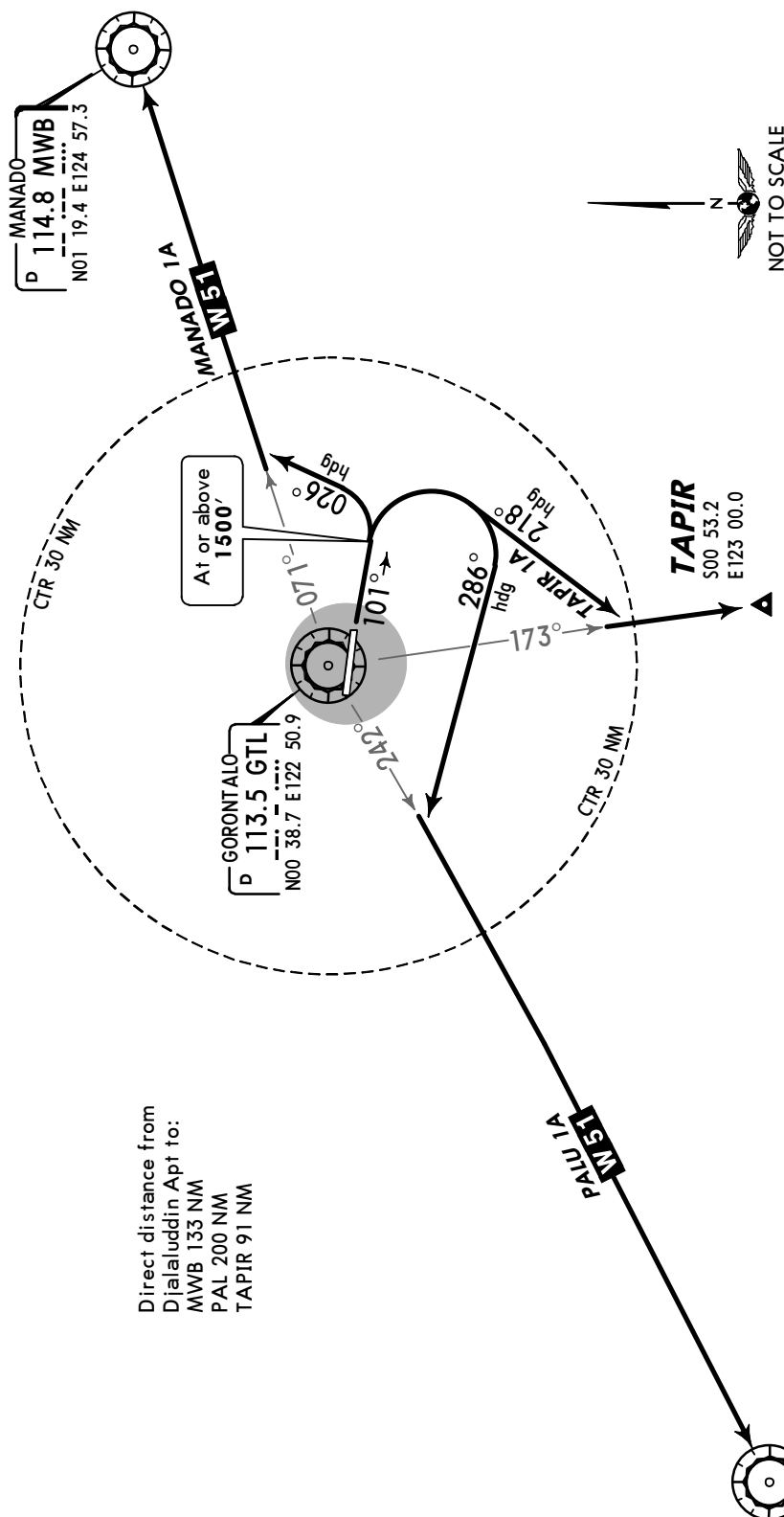
## ROUTING

STAR

|           |  |
|-----------|--|
| MANADO 1C | From MWB VOR using W-51 proceed to GTL VOR then proceed to PRAMU for holding.      |
| PALU 1C   | From PAL VOR using W-51 proceed to GTL VOR then proceed to PRAMU for holding.      |
| TAPIR 1C  | From TAPIR to D30.0 GTL turn RIGHT heading 028° then proceed to PRAMU for holding. |

Apt Elev  
124'

Trans level: FL130 Trans alt: 11000'

MANADO ONE ALPHA [MWB1A],  
PALU ONE ALPHA [PAL1A],  
TAPIR ONE ALPHA [TAPI1A]  
DEPARTURES  
(RWY 09)These SIDs require minimum climb gradients of:  
MANADO ONE ALPHA: 8.8%.  
PALU ONE ALPHA, TAPIR ONE ALPHA: 5.4%.

| Gnd speed-KT   | 75  | 100 | 150  | 200  | 250  | 300  |
|----------------|-----|-----|------|------|------|------|
| 5.4% V/V (fpm) | 410 | 547 | 820  | 1094 | 1367 | 1641 |
| 8.8% V/V (fpm) | 668 | 891 | 1337 | 1782 | 2228 | 2674 |

## INITIAL CLIMB

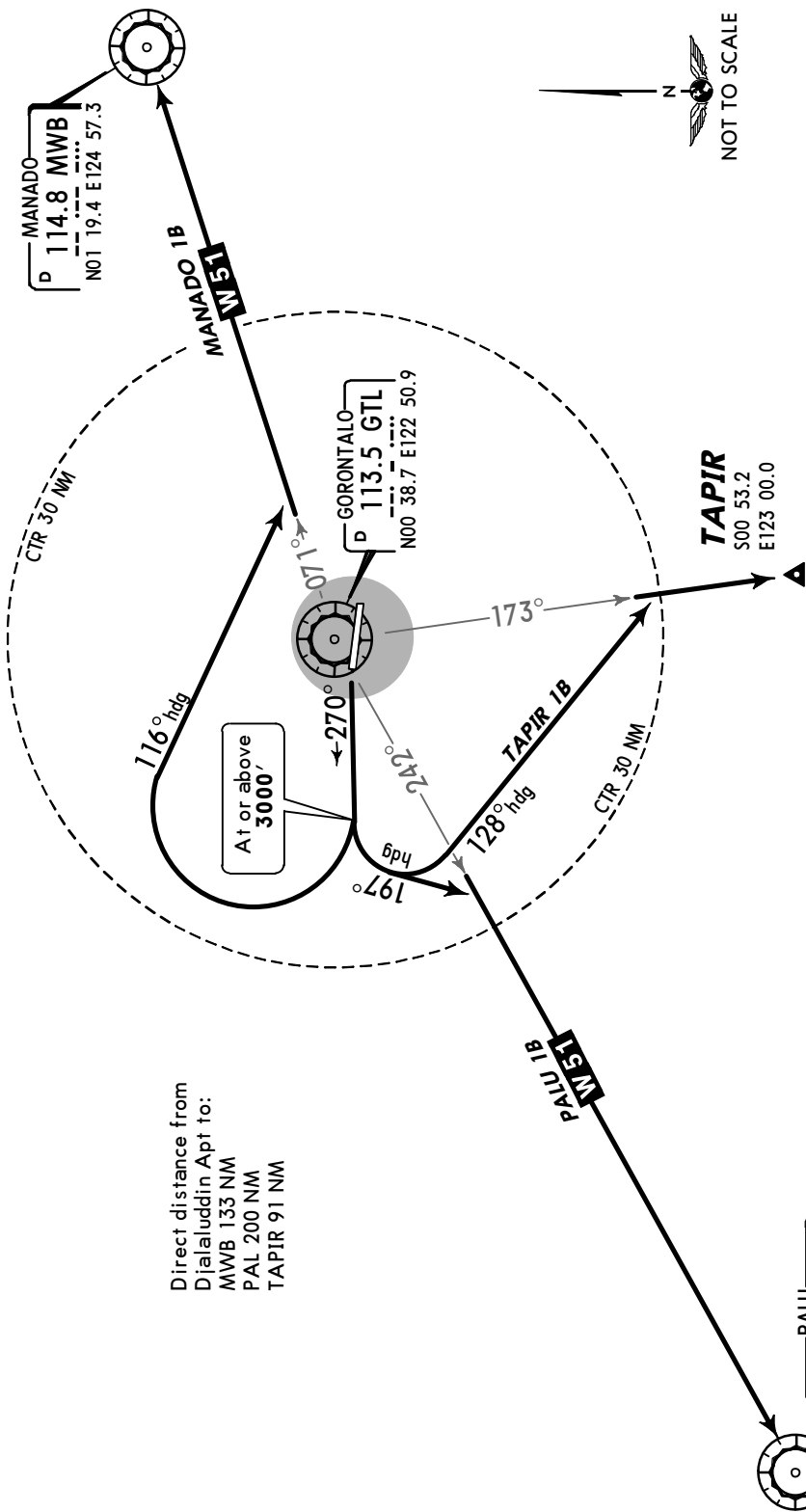
## SID

| SID              | INITIAL CLIMB  |
|------------------|--|
| MANADO ONE ALPHA | Climb to 1500' on 101° turn LEFT heading 026° to intercept GTL R-071 to join W-51.       |
| PALU ONE ALPHA   | Climb to 1500' on 101° then turn RIGHT heading 286° to intercept GTL R-242 to join W-51. |
| TAPIR ONE ALPHA  | Climb to 1500' on 101° then turn RIGHT heading 218° to intercept GTL R-173 to TAPIR.     |

Apt Elev  
124'

Trans level: FL130    Trans alt: 11000'

MANADO ONE BRAVO [MWB1B],  
PALU ONE BRAVO [PAL1B],  
TAPIR ONE BRAVO [TAPI1B]  
DEPARTURES  
(RWY 27)



These SIDs require minimum climb gradients of:  
MANADO ONE BRAVO: 7.2%.  
PALU ONE BRAVO, TAPIR ONE BRAVO: 15.1%.

|                 |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|
| Gnd speed-KT    | 75   | 100  | 150  | 200  | 250  | 300  |
| 7.2% V/V (fpm)  | 547  | 729  | 1094 | 1458 | 1823 | 2187 |
| 15.1% V/V (fpm) | 1148 | 1528 | 2295 | 3056 | 3823 | 4590 |

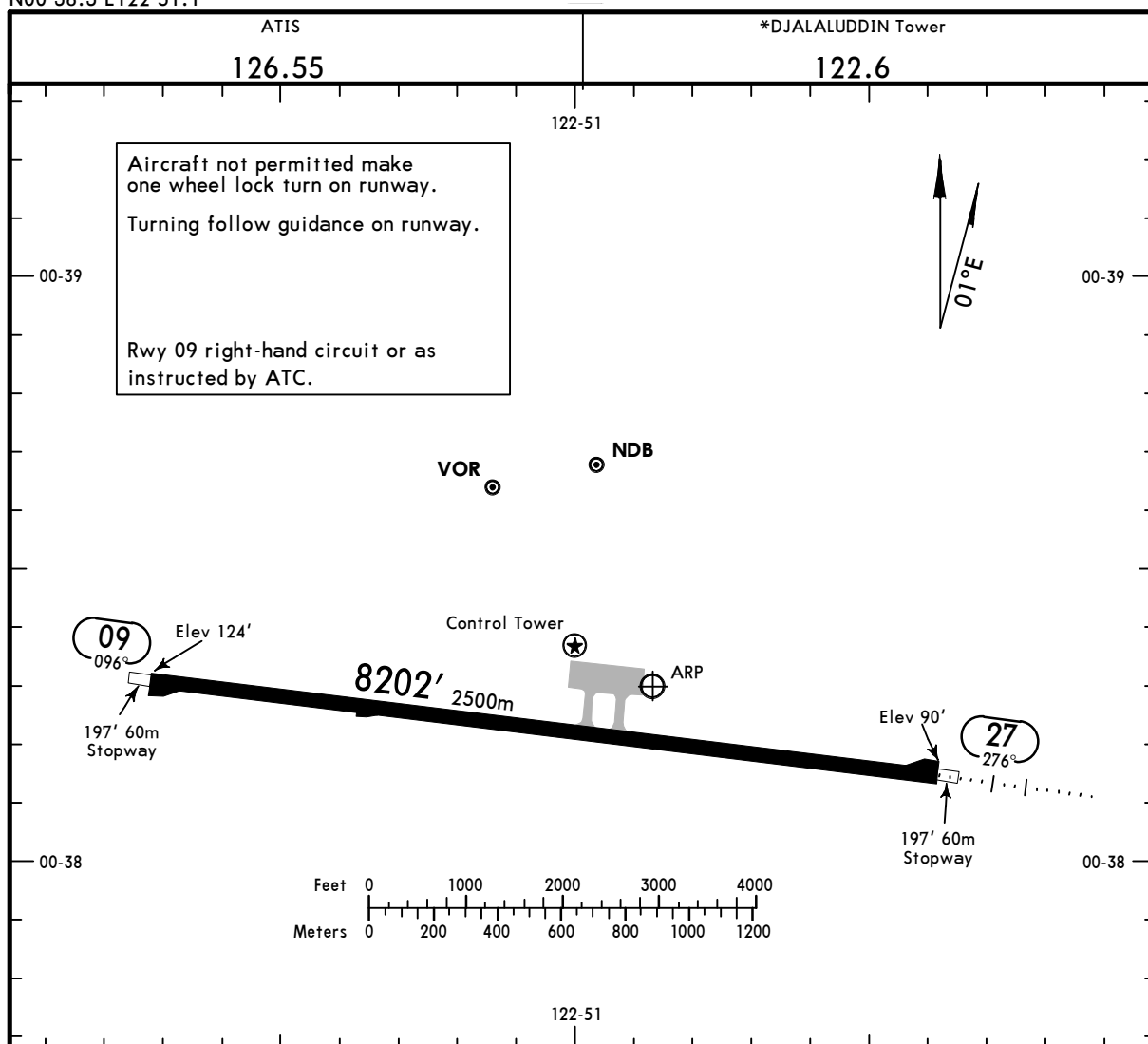
| SID              | INITIAL CLIMB   |
|------------------|---|
| MANADO ONE BRAVO | Climb to 3000' on 270° turn RIGHT heading 116° to intercept GTL R-071 to join W-51.     |
| PALU ONE BRAVO   | Climb to 3000' on 270° then turn LEFT heading 197° to intercept GTL R-242 to join W-51. |
| TAPIR ONE BRAVO  | Climb to 3000' on 270° then turn LEFT heading 128° to intercept GTL R-173 to TAPIR.     |

WAMG/GTO

Apt Elev **124'**  
N00 38.3 E122 51.1

GORONTALO, INDONESIA

DJALALUDDIN



## ADDITIONAL RUNWAY INFORMATION

|     |          |        |        | USABLE LENGTHS |             |          |             |
|-----|----------|--------|--------|----------------|-------------|----------|-------------|
|     |          |        |        | LANDING BEYOND |             |          |             |
| RWY |          |        |        | Threshold      | Glide Slope | TAKE-OFF | WIDTH       |
| 09  | RL (60m) | PAPI-L |        |                |             |          | 148'<br>45m |
| 27  | RL (60m) | ALS    | PAPI-L |                |             |          |             |
|     |          |        |        |                |             |          |             |
|     |          |        |        |                |             |          |             |
|     |          |        |        |                |             |          |             |
|     |          |        |        |                |             |          |             |

## TAKE-OFF

|   | AIR CARRIER (JAA)  |                                      | AIR CARRIER (FAR 121)        |      |
|---|--|--------------------------------------|------------------------------|------|
|   | LVP must be in force<br>All Rwys<br>RCLM (Day only)<br>or RL | All Rwys<br>RCLM (Day only)<br>or RL | All Rwys<br>Adequate Vis Ref |      |
| A |  |                                      | 2 Eng                        |      |
| B | RVR 250m   |                                      |                              |      |
| C |  | RVR 400m                             | 3 & 4 Eng                    | 400m |
| D | RVR 300m   |                                      |                              |      |

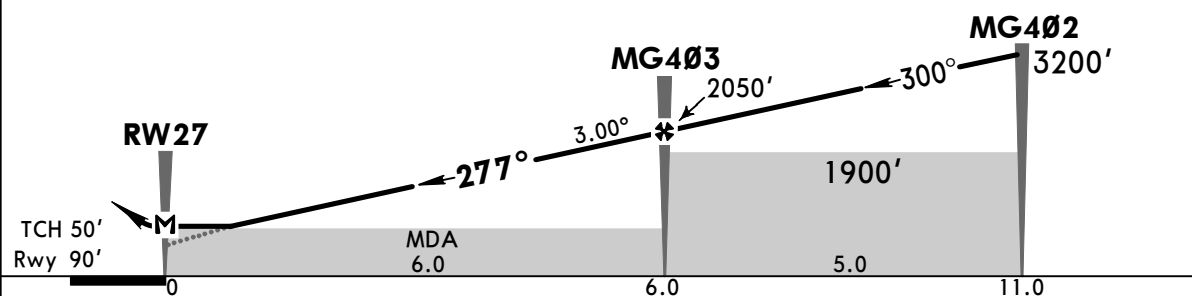
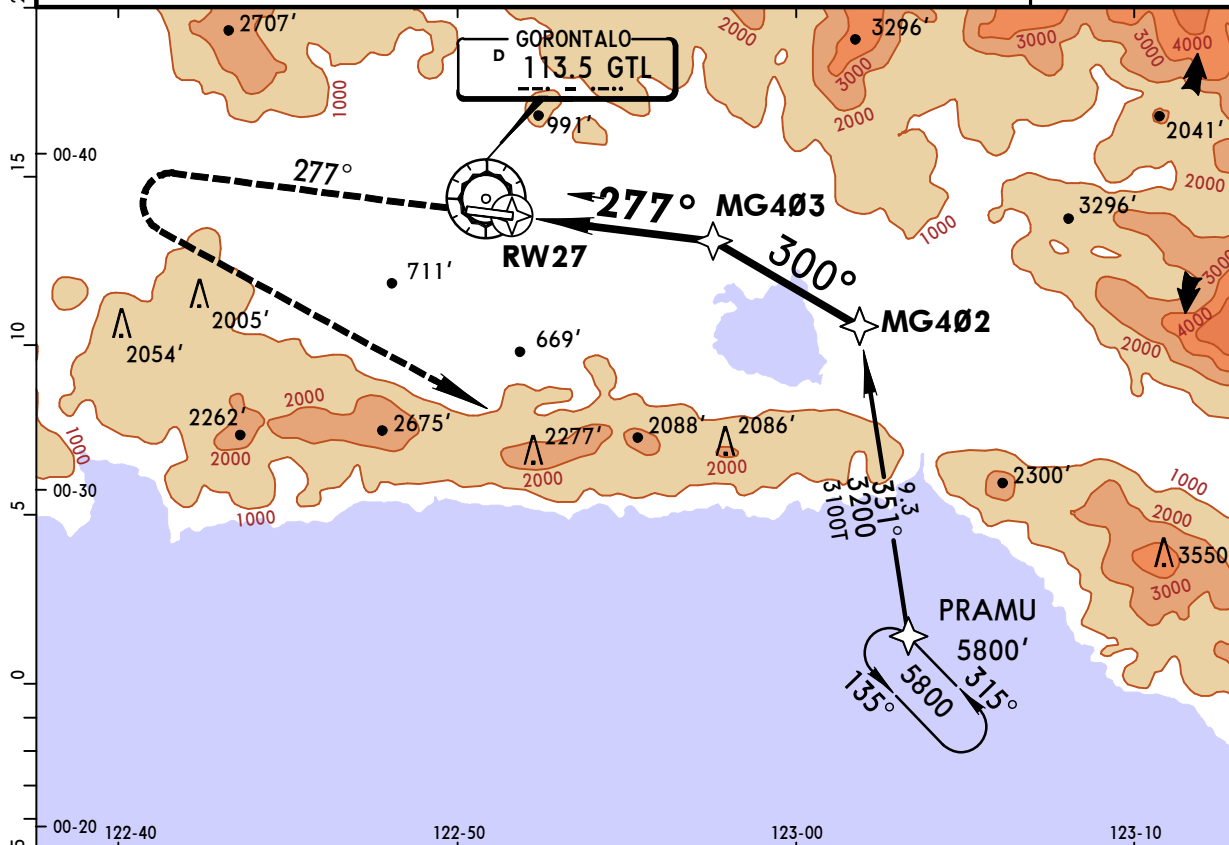
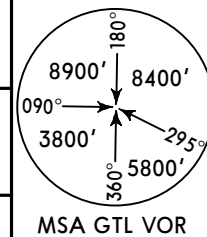
CHANGE: Airport Notices

WAMG/GTO  
DJALALUDDIN

JEPPESEN  
5 MAY 17 (12-1)

GORONTALO, INDONESIA  
RNAV (GNSS) Rwy 27

|  |                                  |   |  |                    |                   |
|--|----------------------------------|---|--|--------------------|-------------------|
| ATIS   |                                  |   |  | *DJALALUDDIN Tower |                   |
| 126.55   |                                  |   |  | 122.6              |                   |
| RNAV   | Final<br>Apch Crs<br><b>277°</b> | Minimum Alt<br><b>MG403</b><br><b>2050'</b> (1960') | LNAV/VNAV<br>DA(H)<br><b>500'</b> (410') | Apt Elev 124'      | Rwy 90'           |
| <b>MISSED APCH:</b> Climb to 3000' at or above then turn LEFT direct to PRAMU at 5800' for holding, or as instructed by ATC. |                                  |   |  |                    |                   |
| Alt Set: hPa   |                                  | Rwy Elev: 0 hPa                                     | Trans level: FL 130                      |                    | Trans alt: 11000' |
| 1. GNSS required. 2. BARO VNAV not authorized below 15°C (59°F).   |                                  |   |  |                    |                   |



|                     |     |     |     |     |     |     |  |      |       |    |
|---------------------|-----|-----|-----|-----|-----|-----|--|------|-------|----|
| Gnd speed-Kts       | 70  | 90  | 100 | 120 | 140 | 160 |  | ALS  | 3000' | LT |
| Descent Angle 3.00° | 372 | 478 | 531 | 637 | 743 | 849 |  | PAPI |       |    |
| MAP at RW27         |     |     |     |     |     |     |  |      |       |    |

| PANS OPS | STRAIGHT-IN LANDING RWY 27 |  |                           |  | CIRCLE-TO-LAND           |                      |  |  |
|----------|----------------------------|--|---------------------------|--|--------------------------|----------------------|--|--|
|          | LNAV/VNAV                  |  | LNAV                      |  | No Circling North of Apt |                      |  |  |
|          | DA(H) <b>500'</b> (410')   |  | MDA(H) <b>500'</b> (410') |  |                          |                      |  |  |
|          | ALS out                    |  | ALS out                   |  | Max Kts                  | MDA(H)               |  |  |
|          |                            |  |                           |  |                          |                      |  |  |
| A        |                            |  |                           |  | 100                      | 1200' (1076') -2300m |  |  |
| B        |                            |  |                           |  | 135                      | 1200' (1076') -2400m |  |  |
| C        | 2300m                      |  |                           |  | 180                      | 1600' (1476') -4000m |  |  |
| D        |                            |  | 2300m                     |  | 205                      | 1600' (1476') -5000m |  |  |

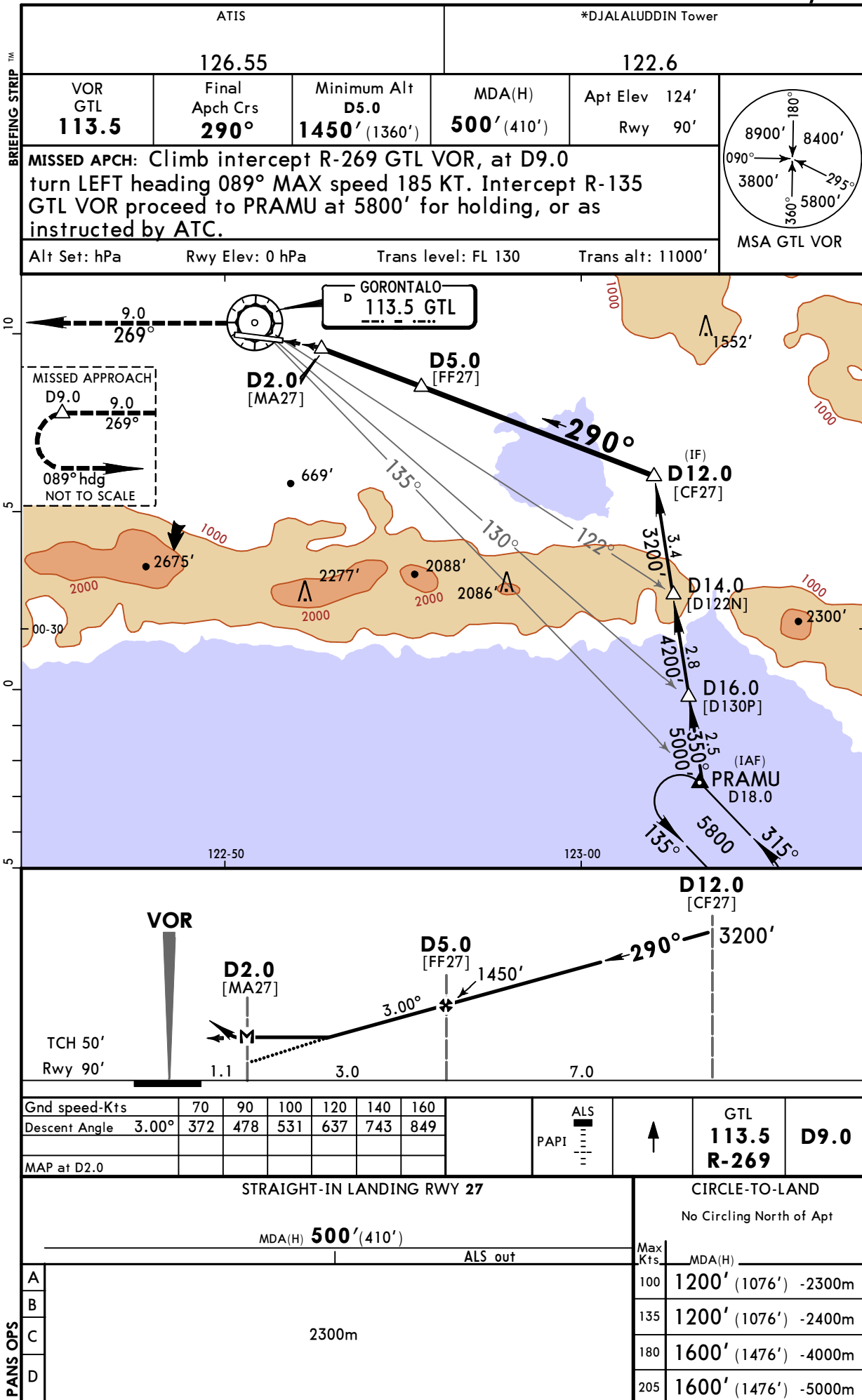
CHANGES: ATIS established.

© JEPPESEN, 2015, 2017. ALL RIGHTS RESERVED.

WAMG/GTO  
DJALALUDDIN

JEPPESEN  
5 MAY 17 (13-1)

GORONTALO, INDONESIA  
VOR DME Rwy 27



CHANGES: ATIS established.

© JEPPESEN, 2015, 2017. ALL RIGHTS RESERVED.