

## INSTRUMENT

## APPROACH

## CHART - ICAO

AERODROME ELEV 10 FT

HEIGHT RELATED TO  
THR RWY 22 - ELEV 10 FTPENANG/PENANG  
INTERNATIONAL AIRPORT (WMKP)

RNP Z RWY 22 (AR)

## AVGAT TRANSITION

| SEQ | PATH TERM | WAYPOINT IDENTIFIER | RF ARC CENTER | FLY OVER | WPT DESC | TRACK (M)/<br>DISTANCE (NM)<br>OR<br>COURSE/TIME | ARC DIRECTION | ALTITUDE (FT)  | SPEED LIMIT (KIAS) | VPA  | RNP (NM) |
|-----|-----------|---------------------|---------------|----------|----------|--------------------------------------------------|---------------|----------------|--------------------|------|----------|
| 010 | IF        | AVGAT               | -             | N        | IAF      | -                                                | -             | -8000<br>+7100 | -                  | -    | -        |
| 020 | TF        | KP516               | -             | N        | -        | 269°/12.4                                        | -             | +4600          | -                  | -    | 0.3      |
| 030 | TF        | KP515               | -             | N        | -        | 269°/5.5                                         | -             | +3100          | -                  | -    | 0.3      |
| 040 | TF        | KP514               | -             | N        | -        | 269°/3.4                                         | -             | +2100          | -                  | -    | 0.3      |
| 050 | TF        | KP511               | -             | N        | IF       | 270°/2.0                                         | -             | +2100          | -                  | -    | 0.3      |
| 060 | RF        | KP510               | RKP18         | N        | -        | 6.9 RF/2.7                                       | L             | +1300          | -                  | -2.8 | 0.3      |
| 070 | RF        | IKENU               | RKP19         | N        | FAF      | 3.3 RF/1.5                                       | L             | @900           | -                  | -2.8 | 0.3      |

## OLVIS TRANSITION

| SEQ | PATH TERM | WAYPOINT IDENTIFIER | RF ARC CENTER | FLY OVER | WPT DESC | TRACK (M)/<br>DISTANCE (NM)<br>OR<br>COURSE/TIME | ARC DIRECTION | ALTITUDE (FT) | SPEED LIMIT (KIAS) | VPA  | RNP (NM) |
|-----|-----------|---------------------|---------------|----------|----------|--------------------------------------------------|---------------|---------------|--------------------|------|----------|
| 010 | IF        | OLVIS               | -             | N        | IAF      | -                                                | -             | +3100         | -                  | -    | -        |
| 020 | TF        | KP513               | -             | N        | -        | 337°/3.4                                         | -             | +3000         | -                  | -    | 0.3      |
| 030 | RF        | KP512               | RKP28         | N        | -        | 4.1 RF/1.5                                       | L             | +2700         | -                  | -    | 0.3      |
| 040 | RF        | KP511               | RKP17         | N        | IF       | 3.3 RF/2.6                                       | L             | +2100         | -                  | -    | 0.3      |
| 050 | RF        | KP510               | RKP18         | N        | -        | 6.9 RF/2.7                                       | L             | +1300         | -                  | -2.8 | 0.3      |
| 060 | RF        | IKENU               | RKP19         | N        | FAF      | 3.3 RF/1.5                                       | L             | @900          | -                  | -2.8 | 0.3      |

## FINAL AND MISSED APPROACH

| SEQ | PATH TERM | WAYPOINT IDENTIFIER | RF ARC CENTER | FLY OVER | WPT DESC | TRACK (M)/<br>DISTANCE (NM)<br>OR<br>COURSE/TIME | ARC DIRECTION | ALTITUDE (FT) | SPEED LIMIT (KIAS) | VPA  | RNP (NM) |
|-----|-----------|---------------------|---------------|----------|----------|--------------------------------------------------|---------------|---------------|--------------------|------|----------|
| 010 | IF        | IKENU               | -             | N        | FAF      | -                                                | -             | @900          | -                  | -    | -        |
| 020 | TF        | RWY22               | -             | Y        | -        | 222°/2.8                                         | -             | @60           | -                  | -    | 0.3      |
| 030 | TF        | KP520               | -             | N        | -        | 222°/2.1                                         | -             | -             | -                  | -2.8 | 0.3      |
| 040 | TF        | TOKUM               | -             | N        | -        | 222°/2.5                                         | -             | -             | -                  | -    | 0.5      |
| 050 | RF        | KP521               | RKP13         | N        | -        | 4.3 RF/13.4                                      | L             | -             | -                  | -    | 1.0      |
| 060 | TF        | OLVIS               | -             | N        | -        | 044°/10.3                                        | -             | +3100         | -                  | -    | 1.0      |

NEW CHART