

**STANDARD ARRIVAL CHART  
INSTRUMENT (STAR) - ICAO**

**ALOR SETAR/  
SULTAN ABDUL HALIM (WMKA)  
RNAV (GNSS) RWY 04**

TRANSITION ALTITUDE  
11000 FT

PAYAR 1E    JERAI 1E    TAMOS 1E  
                  KARMI 1E    MULOT 1E

**TABULAR DESCRIPTION**

**JERAI 1E ARRIVAL**

| PATH TERMINATOR | WAYPOINT IDENTIFIER | FLY OVER | COURSE/TRACK (°M) | DISTANCE NM | TURN DIRECTION | ALTITUDE CONSTRAINT | SPEED LIMIT (KT) | RECOMMENDED NAVAIDS | NAVIGATION SPECIFICATION |
|-----------------|---------------------|----------|-------------------|-------------|----------------|---------------------|------------------|---------------------|--------------------------|
| IF              | OMBUL               | -        | -                 | -           | -              | +7000               | -                | -                   | RNAV 1                   |
| TF              | JERAI               | -        | 008°              | 8.0         | -              | -                   | -                | -                   | RNAV 1                   |
| TF              | BUVDU               | -        | 328°              | 5.1         | L              | +3500               | -                | -                   | RNAV 1                   |
| TF              | OLTIP (IAF)         | -        | 332°              | 5.0         | -              | +2500               | -                | -                   | RNAV 1                   |

**MULOT 1E ARRIVAL**

| PATH TERMINATOR | WAYPOINT IDENTIFIER | FLY OVER | COURSE/TRACK (°M) | DISTANCE NM | TURN DIRECTION | ALTITUDE CONSTRAINT | SPEED LIMIT (KT) | RECOMMENDED NAVAIDS | NAVIGATION SPECIFICATION |
|-----------------|---------------------|----------|-------------------|-------------|----------------|---------------------|------------------|---------------------|--------------------------|
| IF              | MULOT               | -        | -                 | -           | -              | +5000               | -                | -                   | RNAV 1                   |
| TF              | UDUTA               | -        | 087°              | 5.8         | -              | -                   | -                | -                   | RNAV 1                   |
| TF              | ESMIR               | -        | 125°              | 8.8         | R              | +3500               | -                | -                   | RNAV 1                   |
| TF              | OLTIP (IAF)         | -        | 112°              | 5.0         | -              | +2500               | -                | -                   | RNAV 1                   |

**PAYAR 1E ARRIVAL**

| PATH TERMINATOR | WAYPOINT IDENTIFIER | FLY OVER | COURSE/TRACK (°M) | DISTANCE NM | TURN DIRECTION | ALTITUDE CONSTRAINT | SPEED LIMIT (KT) | RECOMMENDED NAVAIDS | NAVIGATION SPECIFICATION |
|-----------------|---------------------|----------|-------------------|-------------|----------------|---------------------|------------------|---------------------|--------------------------|
| IF              | VPG                 | -        | -                 | -           | -              | +7000               | -                | -                   | RNAV 1                   |
| TF              | PAYAR               | -        | 355°              | 41.8        | -              | +3500               | -                | -                   | RNAV 1                   |
| TF              | OLTIP (IAF)         | -        | 042°              | 6.0         | R              | +2500               | -                | -                   | RNAV 1                   |

**TAMOS 1E ARRIVAL**

| PATH TERMINATOR | WAYPOINT IDENTIFIER | FLY OVER | COURSE/TRACK (°M) | DISTANCE NM | TURN DIRECTION | ALTITUDE CONSTRAINT | SPEED LIMIT (KT) | RECOMMENDED NAVAIDS | NAVIGATION SPECIFICATION |
|-----------------|---------------------|----------|-------------------|-------------|----------------|---------------------|------------------|---------------------|--------------------------|
| IF              | TAMOS               | -        | -                 | -           | -              | +7000               | -                | -                   | RNAV 1                   |
| TF              | BIDAL               | -        | 199°              | 19.9        | -              | +3500               | -                | -                   | RNAV 1                   |
| TF              | ESMIR               | -        | 214°              | 9.6         | -              | +3500               | -                | -                   | RNAV 1                   |
| TF              | OLTIP (IAF)         | -        | 112°              | 5.0         | L              | +2500               | -                | -                   | RNAV 1                   |

**KARMI 1E ARRIVAL**

| PATH TERMINATOR | WAYPOINT IDENTIFIER | FLY OVER | COURSE/TRACK (°M) | DISTANCE NM | TURN DIRECTION | ALTITUDE CONSTRAINT | SPEED LIMIT (KT) | RECOMMENDED NAVAIDS | NAVIGATION SPECIFICATION |
|-----------------|---------------------|----------|-------------------|-------------|----------------|---------------------|------------------|---------------------|--------------------------|
| IF              | KARMI               | -        | -                 | -           | -              | +10500              | -                | -                   | RNAV 1                   |
| TF              | BIDAL               | -        | 220°              | 21.9        | -              | +3500               | -                | -                   | RNAV 1                   |
| TF              | ESMIR               | -        | 214°              | 9.6         | -              | +3500               | -                | -                   | RNAV 1                   |
| TF              | OLTIP (IAF)         | -        | 112°              | 5.0         | L              | +2500               | -                | -                   | RNAV 1                   |

**CHANGES :** REPLACE EKELO WITH JERAI  
CHANGE DISTANCE ATJERAI