

## WAYPOINT LIST (WGS84)

**CHALI ONE ALFA RNAV DEPARTURE (RWY05R)**  
**CHALI ONE BRAVO RNAV DEPARTURE (RWY23L)**  
**CHALI ONE CHALI RNAV DEPARTURE (RWY05L)**  
**CHALI ONE DELTA RNAV DEPARTURE (RWY23R)**

| Waypoint Name | Latitude   | Longitude   | Waypoint Name | Latitude   | Longitude   |
|---------------|------------|-------------|---------------|------------|-------------|
| TP050         | 250742.00N | 1211712.00E | NOVAS         | 251730.00N | 1210742.00E |
| TP060         | 250654.00N | 1211736.00E | DECOY         | 251218.00N | 1210106.00E |
| TP230         | 250218.00N | 1211018.00E | SUMER         | 250800.00N | 1205630.00E |
| TP240         | 250136.00N | 1211048.00E | CHALI         | 244348.00N | 1203030.00E |

| Seq No   | Path Terminator | Fix Identifier (Waypoint Name) | Fly Over | Course °M (°T) | Turn Direction | Altitude (ft) | Speed Limit (kt) | Vertical Angle | Nav Performance |
|--|-----------------|--------------------------------|----------|----------------|----------------|---------------|------------------|----------------|-----------------|
| <b>CHALI ONE ALFA RNAV DEPARTURE (RWY05R)</b>  |                 |                                |          |                |                |               |                  |                |                 |
| 01   | VA              | -                              | -        | 054 (049.2)    | -              | +600          | -210             | -              | RNAV 1          |
| 02   | DF              | TP060                          | Y        | -              | -              | -             | -210             | -              | RNAV 1          |
| 03   | DF              | NOVAS                          | -        | -              | -              | -             | -                | -              | RNAV 1          |
| 04   | TF              | DECOY                          | -        | 234 (229.1)    | -              | -             | -                | -              | RNAV 1          |
| 05   | TF              | SUMER                          | -        | 229 (224.2)    | -              | +4000         | -                | -              | RNAV 1          |
| 06   | TF              | CHALI                          | -        | 229 (224.3)    | -              | -             | -                | -              | RNAV 1          |
| <b>CHALI ONE BRAVO RNAV DEPARTURE (RWY23L)</b> |                 |                                |          |                |                |               |                  |                |                 |
| 01   | VA              | -                              | -        | 234 (229.2)    | -              | +600          | -210             | -              | RNAV 1          |
| 02   | DF              | TP240                          | Y        | -              | -              | -             | -210             | -              | RNAV 1          |
| 03   | DF              | SUMER                          | -        | -              | -              | +4000         | -                | -              | RNAV 1          |
| 04   | TF              | CHALI                          | -        | 229 (224.3)    | -              | -             | -                | -              | RNAV 1          |
| <b>CHALI ONE CHALI RNAV DEPARTURE (RWY05L)</b> |                 |                                |          |                |                |               |                  |                |                 |
| 01   | VA              | -                              | -        | 054 (049.2)    | -              | +600          | -210             | -              | RNAV 1          |
| 02   | DF              | TP050                          | Y        | -              | -              | -             | -210             | -              | RNAV 1          |
| 03   | DF              | NOVAS                          | -        | -              | -              | -             | -                | -              | RNAV 1          |
| 04   | TF              | DECOY                          | -        | 234 (229.1)    | -              | -             | -                | -              | RNAV 1          |
| 05   | TF              | SUMER                          | -        | 229 (224.2)    | -              | +4000         | -                | -              | RNAV 1          |
| 06   | TF              | CHALI                          | -        | 229 (224.3)    | -              | -             | -                | -              | RNAV 1          |
| <b>CHALI ONE DELTA RNAV DEPARTURE (RWY23R)</b> |                 |                                |          |                |                |               |                  |                |                 |
| 01   | VA              | -                              | -        | 234 (229.2)    | -              | +600          | -210             | -              | RNAV 1          |
| 02   | DF              | TP230                          | Y        | -              | -              | -             | -210             | -              | RNAV 1          |
| 03   | DF              | SUMER                          | -        | -              | -              | +4000         | -                | -              | RNAV 1          |
| 04   | TF              | CHALI                          | -        | 229 (224.3)    | -              | -             | -                | -              | RNAV 1          |

| Sector   | DME Gap | Critical DME |
|--|---------|--------------|
| <b>CHALI ONE ALFA RNAV DEPARTURE (RWY05R)</b>  |         |              |
| RWY05R - TP060                                 | Y       | -            |
| TP060 - NOVAS                                  | N       | APU, NKN     |
| NOVAS - DECOY                                  | N       | APU, HLG     |
| DECOY - SUMER                                  | N       | APU, HLG     |
| SUMER - CHALI                                  | N       | APU, HLG     |
| <b>CHALI ONE BRAVO RNAV DEPARTURE (RWY23L)</b> |         |              |
| RWY23L - TP240                                 | Y       | -            |

|  |   |          |
|--|---|----------|
| TP240 - SUMER                                  | N | APU, TSI |
| SUMER - CHALI                                  | N | APU, HLG |
| <i>CHALI ONE CHALI RNAV DEPARTURE (RWY05L)</i> |   |          |
| RWY05L - TP050                                 | Y | -        |
| TP050 - NOVAS                                  | N | APU, NKN |
| NOVAS - DECOY                                  | N | APU, HLG |
| DECOY - SUMER                                  | N | APU, HLG |
| SUMER - CHALI                                  | N | APU, HLG |
| <i>CHALI ONE DELTA RNAV DEPARTURE (RWY23R)</i> |   |          |
| RWY23R - TP230                                 | Y | -        |
| TP230 - SUMER                                  | N | APU, TSI |
| SUMER - CHALI                                  | N | APU, HLG |

DME Gap: Y means gap EXIST, N means NO gap.