

INSTRUMENT  
APPROACH  
CHART-ICAO

ULAANBAATAR/Buyant-Ukhaa (ZMUB)  
RNP RWY 14 (LNAV only)  
ACFT CAT A/B/C/D

AERONAUTICAL DATA TABULATION

RNP RWY 14 (LNAV only)

| Serial number                                | Path descriptor | Fix identifier | Flyover | Course °M(°T) | Dist,km | Turn direction | Altitude,m | Speed, (km/h) | Coordinates                   | VPA/RDH | Navigation performance | Remarks |
|----------------------------------------------|-----------------|----------------|---------|---------------|---------|----------------|------------|---------------|-------------------------------|---------|------------------------|---------|
| RNP RWY 14 (LNAV only)-via BATUK-NOMIN(IF)   |                 |                |         |               |         |                |            |               |                               |         |                        |         |
| 1                                            | IF              | BATUK          | -       | -             | -       | -              | +2700      | -             | 47 55 56.52N<br>106 24 50.79E | -       | RNP APCH               | IAF     |
| 2                                            | TF              | NOMIN          | -       | 053/(048.0)   | 12.96   | -              | +2300      | -             | 48 00 36.98N<br>106 32 35.82E | -       | RNP APCH               | IF      |
| RNP RWY 14 (LNAV only)-via ERDEN-NOMIN(IF)   |                 |                |         |               |         |                |            |               |                               |         |                        |         |
| 1                                            | IF              | ERDEN          | -       | -             | -       | -              | +3000      | -             | 48 05 16.91N<br>106 40 22.26E | -       | RNP APCH               | IAF     |
| 2                                            | TF              | NOMIN          | -       | 233/(228.2)   | 12.96   | -              | +2300      | -             | 48 00 36.98N<br>106 32 35.82E | -       | RNP APCH               | IF      |
| RNP RWY 14 (LNAV only)-via MARAL-NOMIN(IF)   |                 |                |         |               |         |                |            |               |                               |         |                        |         |
| 1                                            | IF              | MARAL          | -       | -             | -       | -              | +2700      | -             | 48 05 49.28N<br>106 25 37.54E | -       | RNP APCH               | IAF     |
| 2                                            | TF              | NOMIN          | -       | 143/(138.0)   | 12.96   | -              | +2300      | -             | 48 00 36.98N<br>106 32 35.82E | -       | RNP APCH               | IF      |
| RNP RWY 14 (LNAV only)-via NOMIN-BAGAL(MAHF) |                 |                |         |               |         |                |            |               |                               |         |                        |         |
| 1                                            | TF              | NOMIN          | -       | -             | -       | -              | +2300      | -             | 48 00 36.98N<br>106 32 35.82E | -       | RNP APCH               | IF      |
| 2                                            | TF              | BADAR          | -       | 143/(138.0)   | 9.63    | -              | @2000      | -             | 47 56 44.94N<br>106 37 46.02E | -       | RNP APCH               | FAF     |
| 3                                            | TF              | UB14M          | Y       | 143/(138.0)   | 10.04   | -              | +1650      | -             | 47 52 42.90N<br>106 43 09.20E | 3.0     | RNP APCH               | MAPT    |
| 4                                            | DF              | RWY14          | Y       | 143/(138.1)   | -       | -              | -          | -             | 47 51 10.25N<br>106 45 12.72E | -       | RNP APCH               | MATP    |
| 5                                            | DF              | BAGAL          | -       | -             | -       | R              | +2100      | -             | 47 48 02.41N<br>106 35 25.38E | -       | RNP APCH               | MAHF    |

HOLDING PROCEDURE

| Holding Identification | Path descriptor | Fix identifier | Inbound course °M(°T) | Leg distance (min) | Turn direction | Minimum altitude | Speed limit, (km/h) | Coordinates                   | VPA/RDH | Navigation performance | Remarks                |
|------------------------|-----------------|----------------|-----------------------|--------------------|----------------|------------------|---------------------|-------------------------------|---------|------------------------|------------------------|
| RNP RWY 14 (LNAV only) | HM              | BAGAL          | 059/(054.2)           | 1min               | R              | 2100             | 425                 | 47 48 02.41N<br>106 35 25.38E | -       | RNP APCH               | 1min (Outbound timing) |
| RNP RWY 14 (LNAV only) | HM              | BATUK          | 053/(048.1)           | 1min               | L              | 2700             | 425                 | 47 55 56.52N<br>106 24 50.79E | -       | RNP APCH               | 1min (Outbound timing) |

M/FT CONVERSION

| ELEVATION |      |      |      | ALTITUDE |       | LEVEL |       |
|-----------|------|------|------|----------|-------|-------|-------|
| m         | ft   | m    | ft   | m        | ft    | m     | ft    |
| 1266      | 4153 | 1670 | 5479 | 1460     | 4790  | 3600  | 11800 |
| 1331      | 4367 | 1698 | 5571 | 1495     | 4910  |       |       |
| 1356      | 4449 | 1735 | 5692 | 1570     | 5160  |       |       |
| 1424      | 4672 | 1736 | 5695 | 1600     | 5250  |       |       |
| 1482      | 4862 | 1761 | 5777 | 1650     | 5420  |       |       |
| 1500      | 4921 | 1788 | 5866 | 1670     | 5480  |       |       |
| 1520      | 4987 | 1800 | 5905 | 1725     | 5660  |       |       |
| 1534      | 5033 | 1809 | 5935 | 1800     | 5910  |       |       |
| 1551      | 5089 | 1831 | 6007 | 1850     | 6070  |       |       |
| 1574      | 5164 | 2029 | 6657 | 1980     | 6500  |       |       |
| 1608      | 5276 | 2100 | 6890 | 2000     | 6570  |       |       |
| 1616      | 5302 | 2122 | 6962 | 2100     | 6890  |       |       |
| 1652      | 5420 | 2256 | 7401 | 2300     | 7550  |       |       |
|           |      |      |      | 2700     | 8860  |       |       |
|           |      |      |      | 2900     | 9520  |       |       |
|           |      |      |      | 3000     | 9850  |       |       |
|           |      |      |      | 3300     | 10830 |       |       |
|           |      |      |      | 11900    | 39050 |       |       |

Note:  
For detailed information on restricted areas (R201, R202, R203, R205) and prohibited areas (P101, P102, P103, P104) see ENR 5.1  
  
For detailed information on military operating areas (M806, M820) see ENR 5.2