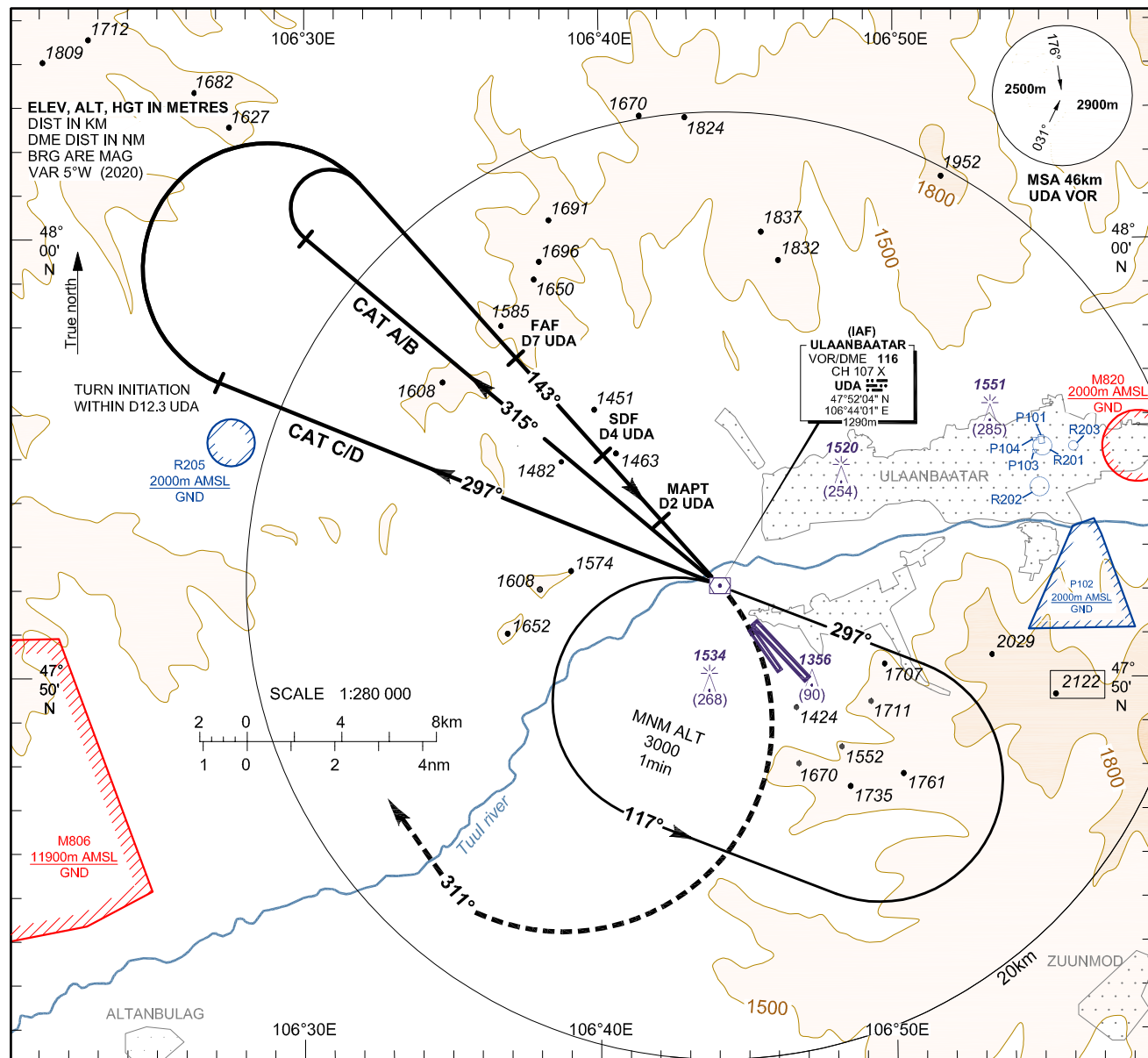


**INSTRUMENT  
APPROACH  
CHART-ICAO**

**AERODROME ELEV 1331**  
HEIGHTS RELATED TO  
THR RWY 14 - ELEV 1266

APP 120  
TWR 132.7  
ATIS 125

**ULAANBAATAR/Buyant-Ukhaa (ZMUB)**  
**VOR/DME RWY 14**  
**ACFT CAT A/B, C/D**



**MISSED APPROACH:**

Climb direct to **UDA VOR**, turn right, track **311°**, climb to **ALT 2200**, then as directed by **ATC**.

TRANSITION LEVEL 4500  
TRANSITION ALTITUDE 3900  
TRANSITION ALTITUDE 4200 (QNH ≥ 1031 hPa)

THR ELEV 1266

KM to/from THR RWY 14  
NM to/from "UDA" VOR/DME  
"UDA" VOR/DME reads 2.2km at THR RWY 14

| CAT of ACFT |                | A          | B | C       | D |
|-------------|----------------|------------|---|---------|---|
| Straight-in | MDA (H)        | 1600 (334) |   |         |   |
| Approach    | OCA (H)        | 1585 (319) |   |         |   |
| Circling    | NOT AUTHORISED |            |   |         |   |
| VIS         |                |            |   |         |   |
| CAT of ACFT |                | FULL       |   | ALS Out |   |
| A/B         |                | 3600m      |   | 4400m   |   |
| C           |                | 4200m      |   | 5000m   |   |
| D           |                | 4600m      |   | 5000m   |   |

The diagram illustrates a 3D approach path for a runway. The path starts at a distance of 25 NM from the UDA (Unobstructed Area) and descends to a height of 12.3 NM. The path is defined by two segments: CAT A/B 315° and CAT C/D 297°. The FAF (Final Approach Fix) is at a distance of 15.2 NM from the UDA and a height of 7 NM. The SDF (Start of Descent Fix) is at a distance of 9.6 NM from the UDA and a height of 4 NM. The MAPT (Map of Approach Path) is at a distance of 5.9 NM from the UDA and a height of 2 NM. The MDA (Minimum Descent Altitude) is at a distance of 0 NM from the UDA and a height of 1.18 NM. The UDA (Unobstructed Area) is at a distance of 0 NM from the UDA and a height of 0 NM. The diagram also shows the PAPI (Precision Approach Path Indicator) and descent angles, which are not coincident (PAPI angle 2.67°).

| Distance from "UDA" (NM)  |        | FAF        |      | 6          |      | 5          |      | 4          |      | 3          |      | MAPT       |      |      |
|---------------------------|--------|------------|------|------------|------|------------|------|------------|------|------------|------|------------|------|------|
| Altitude (Height) 3° APCH |        | 2100 (834) |      | 1980 (714) |      | 1880 (614) |      | 1785 (519) |      | 1690 (424) |      | 1600 (334) |      |      |
| Ground Speed              | km/h   | 130        | 150  | 170        | 185  | 205        | 225  | 240        | 260  | 280        | 295  | 315        | 335  | 350  |
|                           | kt     | 70         | 80   | 90         | 100  | 110        | 120  | 130        | 140  | 150        | 160  | 170        | 180  | 190  |
| Rate of Descent           | m/s    | 1.89       | 2.18 | 2.47       | 2.69 | 2.98       | 3.28 | 3.49       | 3.79 | 4.08       | 4.29 | 4.59       | 4.88 | 5.10 |
|                           | ft/min | 372        | 425  | 478        | 531  | 584        | 637  | 690        | 743  | 796        | 849  | 902        | 955  | 1008 |

**CHANGE:** TRL and TA changed; Editorial.