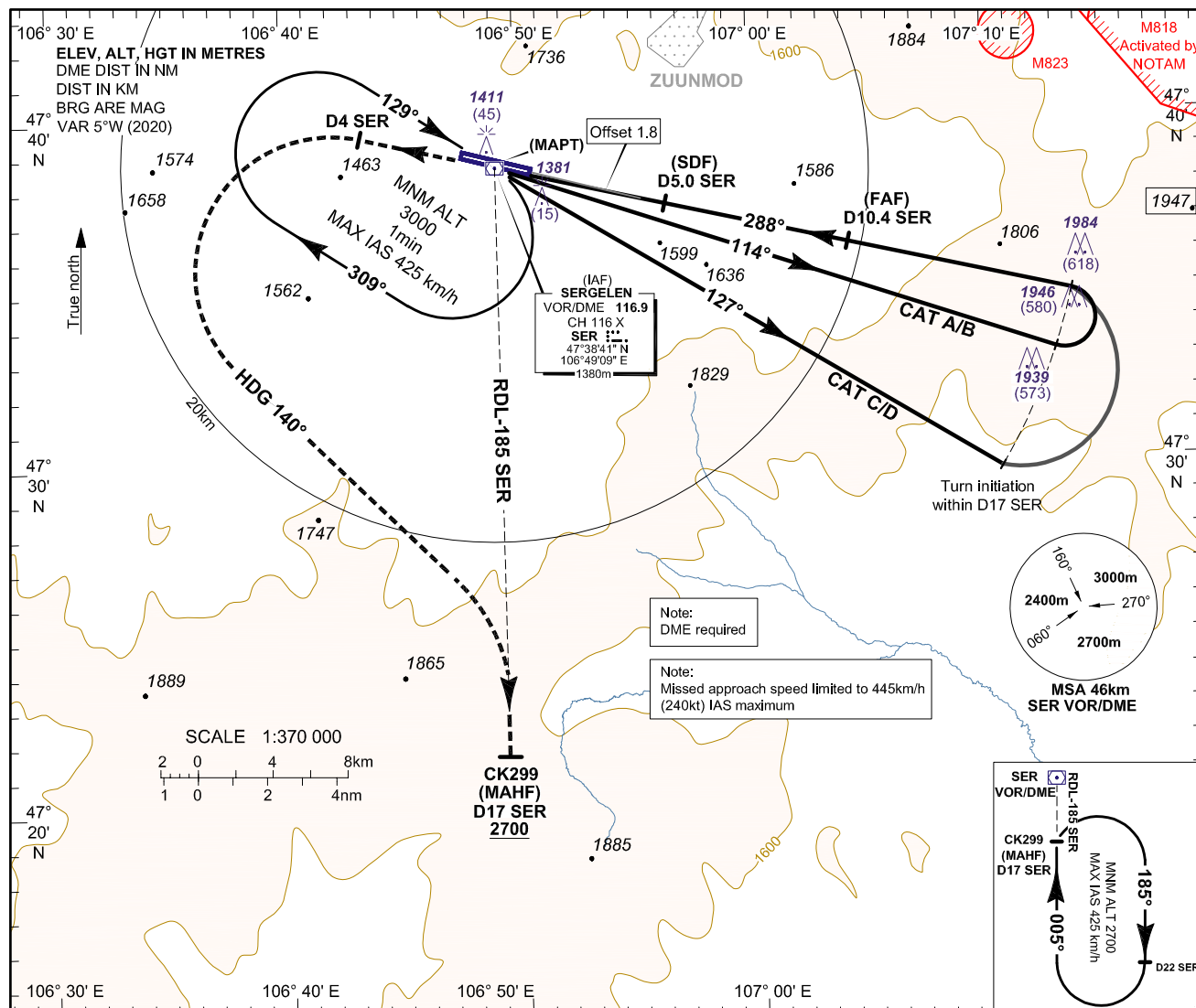


**INSTRUMENT  
APPROACH  
CHART-ICAO**

**AERODROME ELEV 1367**  
HEIGHTS RELATED TO  
THR RWY 29 - ELEV 1366  
(OCH & MDH RELATED TO AD ELEV)

APP 120  
TWR 129

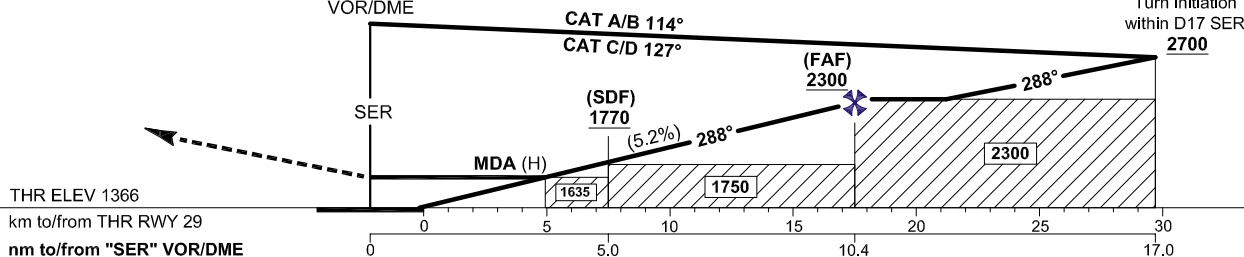
**ULAANBAATAR/Chinggis Khaan (ZMCK)**  
**VOR Y RWY 29**  
**ACFT CAT A/B, C/D**



**MISSED APPROACH:**

Climb on HDG 288° to D4 SER,  
turn left, HDG 140° to intercept  
and proceed via RDL-185 SER  
to CK299 and hold to ALT 2700.

(MAPT)  
(IAF)  
3000  
VOR/DME



| CAT of<br>ACFT | Minimum Missed Approach Gradient 2.5% |           |       |         | Circling  |       |
|----------------|---------------------------------------|-----------|-------|---------|-----------|-------|
|                | Minima                                |           | VIS   |         | MDA(H)    | VIS   |
|                | OCA(H)                                | MDA(H)    | FULL  | ALS out |           |       |
| A/B            |                                       |           | 2800m | 3600m   | 1650(283) | 2800m |
| C              | 1635(268)                             | 1650(283) | 3400m | 4200m   | 1750(383) | 5000m |
| D              |                                       |           | 3600m | 4400m   | 1800(433) | 5000m |

**Note:** Circling to SOUTH side of RWY only.

| Ground Speed    | km/h | 185  | 205  | 225  | 240  | 260  | 280  | 300  | 315  | 330  |
|-----------------|------|------|------|------|------|------|------|------|------|------|
|                 |      | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  |
| Rate of Descent | m/s  | 2.69 | 2.98 | 3.30 | 3.49 | 3.78 | 4.08 | 4.37 | 4.59 | 4.80 |
|                 |      | 531  | 584  | 637  | 690  | 743  | 796  | 849  | 902  | 955  |

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