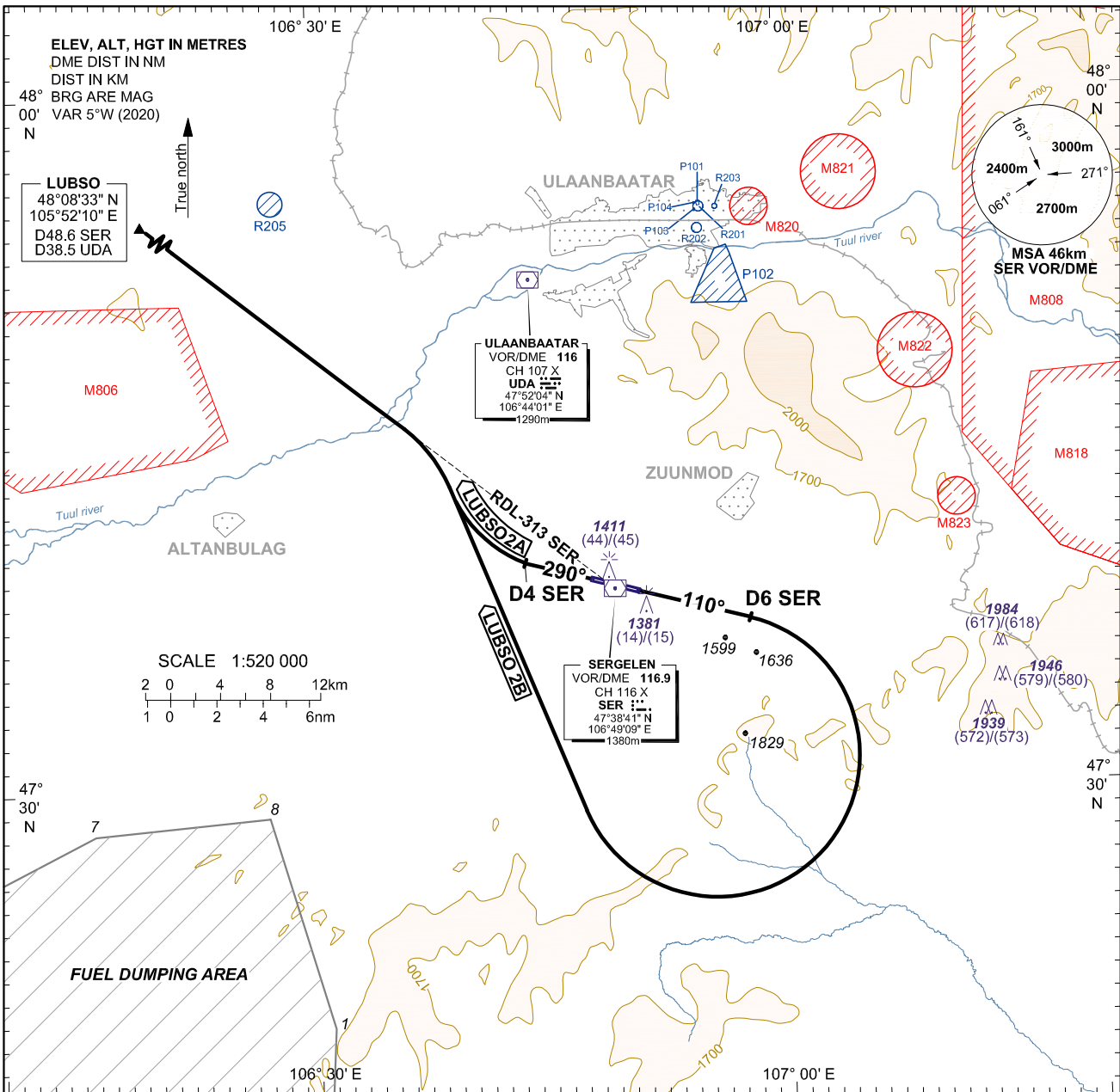


STANDARD DEPARTURE CHART -  
INSTRUMENT (SID) - ICAO

AERODROME ELEV - 1367  
HEIGHTS RELATED TO  
THR RWY 11 - ELEV 1367  
THR RWY 29 - ELEV 1366

APP 120  
TWR 129

ULAANBAATAR/Chinggis Khaan (ZMCK)  
RWY 11/29  
LUBSO 2A/2B



**For LUBSO 2A:**

Climb RWY HDG 290° to D4 SER, turn right, to intercept and proceed via R-313 SER, to LUBSO.

**For LUBSO 2B:**

Climb RWY HDG 110° to D6 SER, turn right, to intercept and proceed via R-313 SER, to LUBSO.

PDG: 4% is required until ALT 2000.

**COORDINATES OF DUMPING AREA**

| Points | LAT (N)   | LONG (E)   |
|--------|-----------|------------|
| 1      | 47°19'53" | 106°30'51" |
| 2      | 47°08'25" | 106°29'58" |
| 3      | 47°03'47" | 106°13'47" |
| 4      | 47°09'23" | 106°01'43" |
| 5      | 47°14'52" | 105°58'22" |
| 6      | 47°24'31" | 106°04'45" |
| 7      | 47°28'19" | 106°15'47" |
| 8      | 47°28'59" | 106°26'54" |

| RVR                   | 550m   |      |      |      |      |      |      |      |      |      |
|-----------------------|--------|------|------|------|------|------|------|------|------|------|
|                       | km/h   | 205  | 240  | 280  | 315  | 350  | 390  | 425  | 460  | 500  |
| Ground Speed          | kt     | 110  | 130  | 150  | 170  | 190  | 210  | 230  | 250  | 270  |
|                       | m/s    | 1.88 | 2.20 | 2.57 | 2.89 | 3.21 | 3.57 | 3.90 | 4.22 | 4.58 |
| Rate of Climb at 3.3% | ft/min | 368  | 434  | 501  | 568  | 635  | 702  | 769  | 835  | 902  |
|                       | m/s    | 2.28 | 2.67 | 3.11 | 3.50 | 3.89 | 4.33 | 4.72 | 5.11 | 5.56 |
| Rate of Climb at 4%   | ft/min | 446  | 527  | 608  | 689  | 770  | 851  | 932  | 1013 | 1094 |

CHANGE: IDENT and REP changed; Editorial.