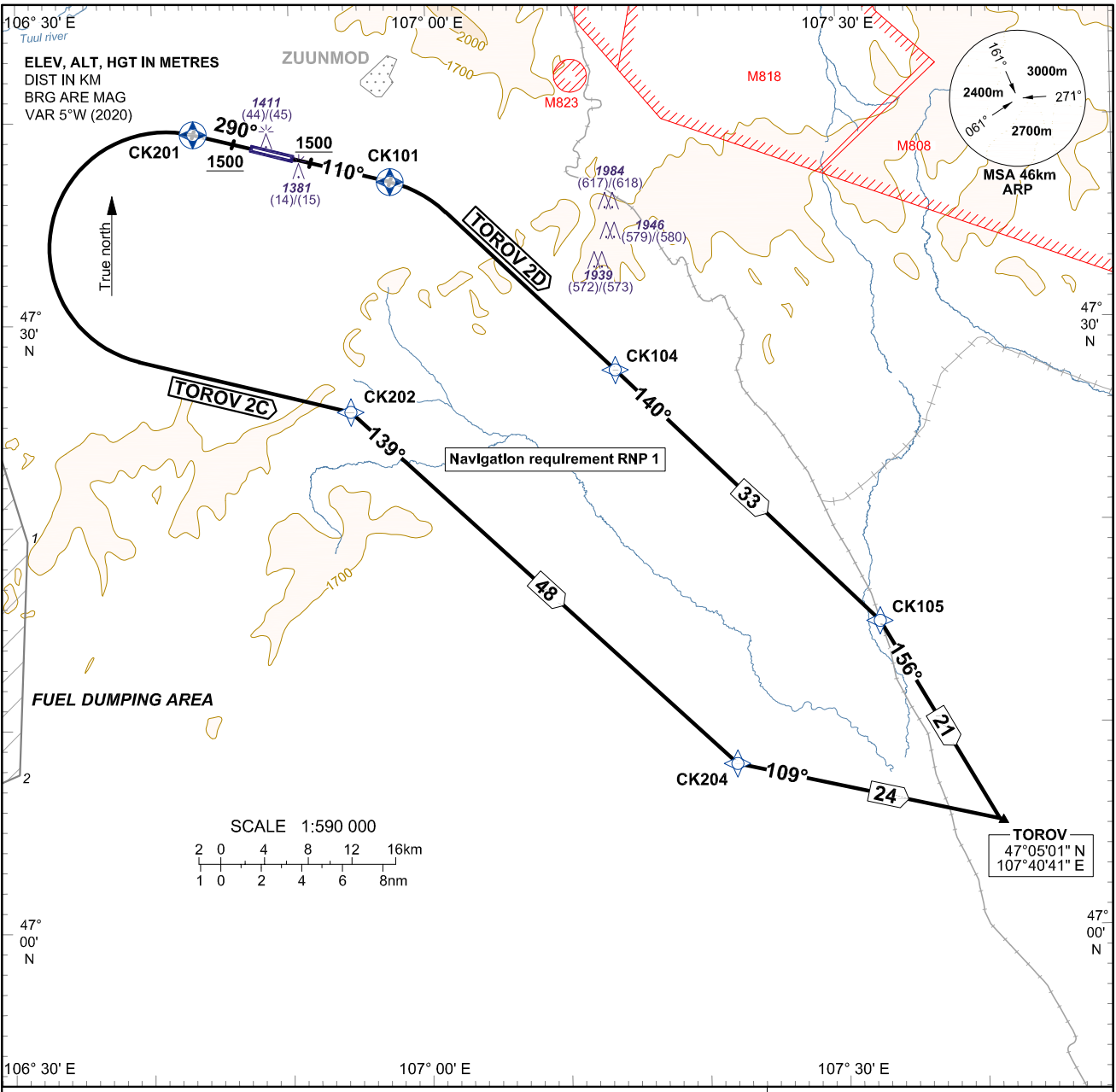
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

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

APP	120
TWR	129

ULAANBAATAR/Chinggis Khaan (ZMCK)
RNAV(GNSS) RWY 11/29
TOROV 2C/2D



TRANSITION ALTITUDE	3000
TRANSITION ALTITUDE	3300 (QNH ≥ 1031 hPa)

TOROV DEPARTURE

TOROV 2C:

Climb RWY HDG at or above **ALT 1500**, direct to **CK201**, turn left direct to **CK202**, to **CK204**, to **TOROV**.

TOROV 2D:

Climb RWY HDG at or above **ALT 1500**, direct to **CK101**, turn right direct to **CK104**, **CK105**, to **TOROV**.

Note: TOROV 2D: 4.1% climb gradient required up to **ALT 2000**.

RVR	550m									
Ground Speed	km/h	**205**	**240**	**280**	**315**	**350**	**390**	**425**	**460**	**500**
	kt	**110**	**130**	**150**	**170**	**190**	**210**	**230**	**250**	**270**
Rate of Climb at 3.3%	m/s	**1.88**	**2.20**	**2.57**	**2.89**	**3.21**	**3.57**	**3.90**	**4.22**	**4.58**
	ft/min	**368**	**434**	**501**	**568**	**635**	**702**	**769**	**835**	**902**
Rate of Climb at 4.1%	m/s	**2.33**	**2.73**	**3.19**	**3.59**	**3.99**	**4.44**	**4.84**	**5.24**	**5.69**
	ft/min	**457**	**540**	**623**	**706**	**789**	**872**	**955**	**1038**	**1121**

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"

CHANGE: IDENT, REP and Aeronautical data tabulation changed; Editorial.