

INSTRUMENT
APPROACH
CHART-ICAO

ULAANBAATAR/Chinggis Khaan (ZMCK)
ILS X RWY 29
ACFT CAT A/B, C/D

AERONAUTICAL DATA TABULATION											
Serial number	Path descriptor	Fix identifier	Flyover	Course °M(°T)	DIST,km	Turn direction	Altitude,m	Speed, (km/h)	Coordinates	VPA/RDH	Navigation performance
RNAV (RNP) RWY 29-via TEMAS-CK292(IF)											
1	IF	TEMAS	–	–	–	–	+3000	-400	47 38 47.90N 107 15 11.99E	–	RNP1
2	TF	CK292	–	200/(195)	8.30	–	+2700	–	47 34 28.22N 107 13 29.28E	–	RNP1
RNAV (RNP) RWY 29-via ZONAM-CK292(IF)											
1	IF	ZONAM	–	–	–	–	+3000	–	47 33 10.59N 107 20 37.18E	–	RNP1
2	TF	CK292	–	290/(285)	9.26	–	+2700	–	47 34 28.22N 107 13 29.28E	–	RNP1
RNAV (RNP) RWY 29-via BERUZ-CK292(IF)											
1	IF	BERUZ	–	–	–	–	+2700	–	47 29 28.11N 107 11 30.96E	–	RNP1
2	TF	CK292	–	020/(015)	9.59	–	+2700	–	47 34 28.22N 107 13 29.28E	–	RNP1

M/FT CONVERSION
ELEVATION

m	ft
1366	4482
1367	4485
1380	4528
1381	4531
1411	4629
1463	4800
1562	5125
1574	5164
1586	5203
1599	5246
1600	5249
1636	5367
1658	5440
1736	5695
1747	5732
1806	5925
1829	6001
1865	6119
1885	6184
1889	6197
1900	6234
1939	6361
1946	6384
1947	6388
1984	6509
2003	6571

M/FT CONVERSION
ALTITUDE

m	ft
1430	4700
1450	4760
1600	5250
1750	5750
1800	5910
2000	6570
2300	7550
2400	7880
2700	8860
3000	9850
3900	12800
4200	13780
4700	15420
16000	52500

M/FT CONVERSION
LEVEL

m	ft
4500	14800

MILITARY OPERATING AREA

ZM M808 47°45'02"N 107°11'36"E - 48°55'59"N 107°14'40"E- -48°47'59"N 110°58'43"E - 46°15'08"N 110°41'42"E- -47°27'54"N 108°05'12"E - 47°40'03"N 107°17'40"E- -to the beginning.	16000m AMSL GND	Activated by NOTAM
ZM M818 47°40'03"N 107°17'40"E - 47°42'32"N 107°14'39"E- -47°47'33"N 107°16'07"E - 47°48'24"N 107°31'50"E- -47°45'04"N 107°33'32"E - 47°42'25"N 107°37'48"E- -47°37'09"N 107°29'09"E -to the beginning.	4700m AMSL GND	
ZM M823 A circle radius 1500m centered on 47°42'18"N 107°11'08"E	2000m AMSL GND	Permanent