

INSTRUMENT
APPROACH
CHART-ICAO

ULAANBAATAR/Buyant-Ukhaa (ZMUB)
RNP RWY 14 (LNAV only)
ACFT CAT A/B/C/D

AERONAUTICAL DATA TABULATION												
RNP RWY 14 (LNAV only)												
Serial number	Path descriptor	Fix identifier	Flyover	Course °M(°T)	Dist,km	Turn direction	Altitude,m	Speed, (km/h)	Coordinates	VPA/RDH	Navigation performance	Remarks
RNP RWY 14 (LNAV only)-via BATUK-NOMIN(IF)												
1	IF	BATUK	-	-	-	-	+2700	-	47 55 56.52N 106 24 50.79E	-	RNP APCH	IAF
2	TF	NOMIN	-	053/(048.0)	12.96	-	+2300	-	48 00 36.98N 106 32 35.82E	-	RNP APCH	IF
RNP RWY 14 (LNAV only)-via ERDEN-NOMIN(IF)												
1	IF	ERDEN	-	-	-	-	+3000	-	48 05 16.91N 106 40 22.26E	-	RNP APCH	IAF
2	TF	NOMIN	-	233/(228.2)	12.96	-	+2300	-	48 00 36.98N 106 32 35.82E	-	RNP APCH	IF
RNP RWY 14 (LNAV only)-via MARAL-NOMIN(IF)												
1	IF	MARAL	-	-	-	-	+2700	-	48 05 49.28N 106 25 37.54E	-	RNP APCH	IAF
2	TF	NOMIN	-	143/(138.0)	12.96	-	+2300	-	48 00 36.98N 106 32 35.82E	-	RNP APCH	IF
RNP RWY 14 (LNAV only)-via NOMIN-BAGAL(MAHF)												
1	TF	NOMIN	-	-	-	-	+2300	-	48 00 36.98N 106 32 35.82E	-	RNP APCH	IF
2	TF	BADAR	-	143/(138.0)	9.63	-	@2000	-	47 56 44.94N 106 37 46.02E	-	RNP APCH	FAF
3	TF	UB14M	Y	143/(138.0)	10.04	-	+1650	-	47 52 42.90N 106 43 09.20E	3.0	RNP APCH	MAPT
4	DF	RWY14	Y	143/(138.1)	-	-	-	-	47 51 10.25N 106 45 12.72E	-	RNP APCH	MATP
5	DF	BAGAL	-	-	-	R	+2100	-	47 48 02.41N 106 35 25.38E	-	RNP APCH	MAHF
HOLDING PROCEDURE												
Holding Identification	Path descriptor	Fix identifier	Inbound course °M(°T)	Leg distance (min)	Turn direction	Minimum altitude	Speed limit, (km/h)	Coordinates	VPA/RDH	Navigation performance	Remarks	
RNP RWY 14 (LNAV only)	HM	BAGAL	059/(054.2)	1min	R	2100	425	47 48 02.41N 106 35 25.38E	-	RNP APCH	1min (Outbound timing)	
RNP RWY 14 (LNAV only)	HM	BATUK	053/(048.1)	1min	L	2700	425	47 55 56.52N 106 24 50.79E	-	RNP APCH	1min (Outbound timing)	
M/FT CONVERSION												
ELEVATION				ALTITUDE				LEVEL				
m	ft	m	ft	m	ft	m	ft	m	ft			
1266	4153	1670	5479	1460	4790	4500	14800					
1331	4367	1698	5571	1495	4910							
1356	4449	1735	5692	1570	5160							
1424	4672	1736	5695	1600	5250							
1482	4862	1761	5777	1650	5420							
1500	4921	1788	5866	1670	5480							
1520	4987	1800	5905	1725	5660							
1534	5033	1809	5935	1800	5910							
1551	5089	1831	6007	1850	6070							
1574	5164	2029	6657	1980	6500							
1608	5276	2100	6890	2000	6570							
1616	5302	2122	6962	2100	6890							
1652	5420	2256	7401	2300	7550							
				2700	8860							
				2900	9520							
				3000	9850							
				3900	12800							
				4200	13780							
				11900	39050							
Note: For detailed information on restricted areas (R201, R202, R203, R205) and prohibited areas (P101, P102, P103, P104) see ENR 5.1 For detailed information on military operating areas (M806, M820) see ENR 5.2												