

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.						
TERMINAL ROUTES														MISSED APPROACH									
FROM				TO				COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW23 CLIMB TO 3300 DIRECT TEYU AND ON TRACK 320.58 TO CUCAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 124.75 INBOUND. CHART FAS OBST: 1429 TOWER 462556N/0940331W. DISTANCE TO THLD FROM 277 HAT: 0.72 NM. CHART VDP AT 1.53 NM TO RW23* *LNAV ONLY. WAAS CHANNEL # 82502 REFERENCE PATH ID: W23A CHART FIELD ELEVATION: 1232 CHART CIRCLING ICON LTP HAE: 345.2 M									
HUUTA				GUPKE (TF) (FB) (RNP 2.00)				115.26 / 16.10				3000											
BRNRD				JIKRO (TF) (FB) (RNP 2.00)				049.46 / 10.16				3000											
GUPKE (IAF)				EYUPO (TF) (FB) (RNP 1.00)				140.66 / 5.00				3000											
JIKRO (IAF)				EYUPO (NOPT) (TF) (FB) (RNP 1.00)				320.76 / 5.00				3000											
EYUPO (IF/IAF)				CUXUR (TF) (FB) (RNP 1.00)				230.71 / 6.12				3000											
(SEE FORM 8260-10)																							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 3E EPOCH YEAR: 1995									
2. HOLD NE EYUPO, RT, 230.71 INBOUND, 3000 FT. IN LIEU OF PT (IAF)																							
3. FAC: 230.62 FAF: CUXUR DIST FAF TO MAP: 5.34 THLD: 5.34																							
4. MIN. ALT: EYUPO 3000, CUXUR 3000																							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																							
6. MIN GS INCPT: 3000 GS ALT AT: CUXUR OM: _____ MM: _____ IM: _____																							
7. GS ANGLE: 3.00 TCH: 49.8 34:1 IS CLEAR																							
8. MSA FROM: RW23 3100																							
MINIMUMS																							
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			STANDARD @													
CATEGORY ==>		A			B			C			D			E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA								
LPV DA	1501	1/2	277	1501	1/2	277	1501	1/2	277	1501	1/2	277											
LNAV/VNAV DA	1573	3/4	349	1573	3/4	349	1573	3/4	349	1573	3/4	349											
LNAV MDA	1760	1/2	536	1760	1/2	536	1760	1	536	1760	1 1/4	536											
CIRCLING	1760	1	528	1760	1	528	1760	1 1/2	528	1860	2	628											
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTES: VDP AND BARO-VNAV NA WHEN USING AITKIN ALTIMETER SETTING. WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AITKIN ALTIMETER SETTING AND INCREASE ALL DAS 52 FEET AND ALL MDAS 60 FEET.																							
CITY AND STATE BRAINERD, MN				ELEVATION: 1232 TDZE: 1224 AIRPORT NAME: BRAINERD LAKES RGNL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, ORIG-A 29 MARCH 2018					SUP: AMDT: ORIG DATED 07/05/2007								



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CUXUR (FAF)	RW23 (MAP) (TF) (FO) (RNP 0.30)	230.62 / 5.34	
RW23 (MAP)	1501 MSL (CA)	230.62	
1501 MSL	TEYYU (DF) (FB) (RNP 1.00)		
TEYYU	CUCAC (TF) (FO) (RNP 1.00)	320.58 / 15.10	3300

QUALITY
4
CHECKED

CITY AND STATE
BRAINERD, MN

ELEVATION: 1232 TDZE: 1224
 AIRPORT NAME:
BRAINERD LAKES RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23, ORIG-A
 29 MARCH 2018

SUP:
 AMDT: **ORIG**
 DATED: **07/05/2007**

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBRD
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	462418.8695N
LTP/FTP LONGITUDE	0940732.0350W
LTP/FTP ELLIPSOIDAL HEIGHT	+03452
FPAP LATITUDE	462325.9300N
FPAP LONGITUDE	0940915.5700W
THRESHOLD CROSSING HEIGHT (TCH)	00049.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 1D4B0B21

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03726
FPAP ORTHOMETRIC HEIGHT	+03726

QUALITY
4
CHECKED

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