

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		LP: LIDVE LNAV: LIDVE CLIMBING RIGHT TURN TO 4500 DIRECT HOLOE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4500. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 049.55 INBOUND. CHART FAS OBST: 1028 TOWER 393532N/0784632W FAS OBST: 1779 AAO 393400N/0784828W WAAS CHANNEL # 99336 REFERENCE PATH ID: W05A JIRMO TO RW05: 3.00/45. CHART CIRCLING ICON. CHART 1288 TOWER 393110N/0784741W. FAC CROSSES RWY C/L EXTENDED 2995 FROM THLD. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 20.03 DEGREES. LTP HAE: 187.2 M FICTITIOUS THRESHOLD POINT (CFBZD) DO NOT CHART						
HEKPA (IF/IAF)		JIRMO (FB)			029.00 / 9.00				2800								
JIRMO (FAF)		KAGPE/3.10 NM TO LIDVE (FB)			029.03 / 2.82												
KAGPE/3.10 NM TO LIDVE		LIDVE (MAP) (FO)			029.03 / 3.10												
LIDVE (MAP)		1175 MSL			029.03				4500								
1175 MSL		HOLOE (FO)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SW HEKPA, RT, 029.00 INBOUND, 5400 FT. IN LIEU OF PT (IAF) 3. FAC: 029.03 FAF: JIRMO DIST FAF TO MAP: <u>5.92</u> THLD: <u>6.39</u> 4. MIN. ALT: HEKPA 5400, JIRMO 2800, KAGPE/3.10 NM TO LIDVE 1900 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>											MAG VAR: 10W EPOCH YEAR: 2010						
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		@					
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		
LP MDA	1440	1	694	1440	1	694	1440	2	694	1440	2	694					
LNAV MDA	1840	1 1/4	1094	1840	1 1/2	1094	1840	3	1094	1840	3	1094					
CIRCLING	1840	1 1/4	1065	2140	1 1/2	1365	2260	3	1485	2360	3	1585					
NOTES: CHART NOTE: CIRCLING NA NW OF RWY 5-23. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: NIGHT LANDING: RWY 5, 11, 29 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WINCHESTER ALTIMETER SETTING AND (SEE FORM 8260-10)																	
CITY AND STATE CUMBERLAND, MD				ELEVATION: 775 TDZE: 746 AIRPORT NAME: GREATER CUMBERLAND RGNL				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, AMDT 2 31 MARCH 2016				SUP:	
																AMDT:	
																DATED 10/17/2013	

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.

NOTES, (CONT.):

INCREASE ALL MDA 100 FEET AND INCREASE LP VISIBILITY CAT B 1/4 MILE, CATS C AND D 1/2 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	299/30 CW 119/30 (NOPT)	299/10 CW 119/10	6500
2.	299/10 CW 119/10	HEKPA (IF/IAF) (FB)	5400
3.	119/30 CW 299/30	119/10 CW 299/10	5600
	119/10 CW 299/10	HEKPA (IF/IAF) (FB)	5400

CITY AND STATE
CUMBERLAND, MD

ELEVATION: 775 **TDZE: 746**
AIRPORT NAME:
GREATER CUMBERLAND RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5, AMDT 2
31 MARCH 2016

SUP: **QUALITY**
AMDT: **4**
DATED: **10/17/2013**
1A CHECKED

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCBE
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	393643.1580N
LTP/FTP LONGITUDE	0784605.5260W
LTP/FTP ELLIPSOIDAL HEIGHT	+01872
FPAP LATITUDE	393807.4410N
FPAP LONGITUDE	0784527.8625W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 65D4CE0D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02199
FPAP ORTHOMETRIC HEIGHT	+02199

CITY AND STATE
CUMBERLAND, MD

ELEVATION: 775 TDZE: 746
AIRPORT NAME:
GREATER CUMBERLAND RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5, AMDT 2
31 MARCH 2016

SUP: 4
AMDT: CHECKED
DATED: 10/17/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.																																																																																																																																																																				
<div style="margin-bottom: 10px;">ARINC SUMMARY - KCBE</div> <div style="margin-bottom: 10px;">ROUTES</div> <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr> <td>HEKPA</td> <td>010</td> <td>HEKPA</td> <td>HF</td> <td>FO</td> <td></td> <td>029.0</td> <td></td> <td></td> <td>R</td> <td></td> <td></td> <td>AA 05400</td> <td></td> <td>EE A</td> </tr> <tr> <td></td> <td>010</td> <td>HEKPA</td> <td>IF</td> <td>FB</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AA 05400</td> <td></td> <td>E I</td> </tr> <tr> <td></td> <td>020</td> <td>JIRMO</td> <td>TF</td> <td>FB</td> <td>0.5</td> <td>029.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AA 02800</td> <td></td> <td>E F</td> </tr> <tr> <td></td> <td>021</td> <td>KAGPE</td> <td>TF</td> <td>FB</td> <td>0.3</td> <td>029.0</td> <td></td> <td>3.00</td> <td></td> <td></td> <td></td> <td>AA 01900 GS 01902</td> <td></td> <td>E S</td> </tr> <tr> <td></td> <td>030</td> <td>LIDVE</td> <td>TF</td> <td>FO</td> <td>0.3</td> <td>029.0</td> <td></td> <td>3.00</td> <td></td> <td></td> <td></td> <td>AT 00923</td> <td></td> <td>EY M</td> </tr> <tr> <td></td> <td>040</td> <td></td> <td>CA</td> <td>FB</td> <td></td> <td>029.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AA 01175</td> <td></td> <td>M</td> </tr> <tr> <td></td> <td>050</td> <td>HOLOE</td> <td>DF</td> <td>FO</td> <td></td> <td></td> <td></td> <td></td> <td>R</td> <td></td> <td></td> <td>AA 04500</td> <td></td> <td>EY</td> </tr> <tr> <td></td> <td>060</td> <td>HOLOE</td> <td>HM</td> <td>FO</td> <td>2.0</td> <td>049.6</td> <td></td> <td></td> <td>R</td> <td></td> <td></td> <td>AA 04500</td> <td></td> <td>EE</td> </tr> </tbody> </table> <div style="margin-bottom: 10px;">POINTS</div> <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr> <td>HEKPA</td> <td>N392209.76</td> <td>W0785234.34</td> </tr> <tr> <td>HOLOE</td> <td>N394250.76</td> <td>W0783939.19</td> </tr> <tr> <td>JIRMO</td> <td>N393040.72</td> <td>W0784847.18</td> </tr> <tr> <td>KAGPE</td> <td>N393320.86</td> <td>W0784735.81</td> </tr> <tr> <td>LIDVE</td> <td>N393616.82</td> <td>W0784617.29</td> </tr> </tbody> </table> <div style="margin-bottom: 10px;">RUNWAYS</div> <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW05</td> <td>N393639.85</td> <td>W0784553.14</td> <td>00722</td> <td>45</td> </tr> </tbody> </table>														TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE	HEKPA	010	HEKPA	HF	FO		029.0			R			AA 05400		EE A		010	HEKPA	IF	FB								AA 05400		E I		020	JIRMO	TF	FB	0.5	029.0						AA 02800		E F		021	KAGPE	TF	FB	0.3	029.0		3.00				AA 01900 GS 01902		E S		030	LIDVE	TF	FO	0.3	029.0		3.00				AT 00923		EY M		040		CA	FB		029.0						AA 01175		M		050	HOLOE	DF	FO					R			AA 04500		EY		060	HOLOE	HM	FO	2.0	049.6			R			AA 04500		EE	POINT NAME	LATITUDE	LONGITUDE	HEKPA	N392209.76	W0785234.34	HOLOE	N394250.76	W0783939.19	JIRMO	N393040.72	W0784847.18	KAGPE	N393320.86	W0784735.81	LIDVE	N393616.82	W0784617.29	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW05	N393639.85	W0784553.14	00722	45
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE																																																																																																																																																																		
HEKPA	010	HEKPA	HF	FO		029.0			R			AA 05400		EE A																																																																																																																																																																		
	010	HEKPA	IF	FB								AA 05400		E I																																																																																																																																																																		
	020	JIRMO	TF	FB	0.5	029.0						AA 02800		E F																																																																																																																																																																		
	021	KAGPE	TF	FB	0.3	029.0		3.00				AA 01900 GS 01902		E S																																																																																																																																																																		
	030	LIDVE	TF	FO	0.3	029.0		3.00				AT 00923		EY M																																																																																																																																																																		
	040		CA	FB		029.0						AA 01175		M																																																																																																																																																																		
	050	HOLOE	DF	FO					R			AA 04500		EY																																																																																																																																																																		
	060	HOLOE	HM	FO	2.0	049.6			R			AA 04500		EE																																																																																																																																																																		
POINT NAME	LATITUDE	LONGITUDE																																																																																																																																																																														
HEKPA	N392209.76	W0785234.34																																																																																																																																																																														
HOLOE	N394250.76	W0783939.19																																																																																																																																																																														
JIRMO	N393040.72	W0784847.18																																																																																																																																																																														
KAGPE	N393320.86	W0784735.81																																																																																																																																																																														
LIDVE	N393616.82	W0784617.29																																																																																																																																																																														
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH																																																																																																																																																																												
RW05	N393639.85	W0784553.14	00722	45																																																																																																																																																																												
CITY AND STATE CUMBERLAND, MD		ELEVATION: 775 TDZE: 746 AIRPORT NAME: GREATER CUMBERLAND RGNL		FACILITY IDENTIFIER: <div style="text-align: center; margin-top: 10px;">RNAV</div>		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <div style="text-align: center; margin-top: 10px;">RNAV (GPS) RWY 5, AMDT 2</div> <div style="text-align: center; margin-top: 10px;">31 MARCH 2016</div>		<div style="text-align: right; font-size: x-small; color: green; margin-bottom: 5px;">QUALITY</div> SUP: <div style="text-align: center; font-size: x-small; color: green;">4</div> AMDT: <div style="text-align: center; font-size: x-small; color: green;">1A</div> CHECKED DATED: 10/17/2013																																																																																																																																																																								