

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	LP: RW13 LNAV: RW13 CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2500 DIRECT YULUB AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 659 TREE 410120N/0892349W CHART FAS OBST: 709 TREE 410135N/0892243W OBST: 919 AAO 410416N/0892950W WAAS CHANNEL # 66035 REFERENCE PATH ID: W13A CHART CIRCLING ICON. LTP HAE: 131.3 M	
OWENA	ZEPEB (FB)	247.14 / 14.43	2500		
PIA VORTAC	WANLU (FB)	011.79 / 21.78	2500		
ZEPEB (IAF)	YULUB (NOPT) (FB)	219.09 / 8.00	2500		
WANLU (IAF)	YULUB (NOPT) (FB)	038.95 / 8.00	2500		
YULUB (IF/IAF)	GUGBE (FB)	129.02 / 6.00	2400		
GUGBE (FAF)	XUVTY/2.00 NM TO RW13 (FB)	129.09 / 3.69			
(SEE FORM 8260-10)					
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW YULUB, RT, 129.02 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>129.09</u> FAF: <u>GUGBE</u> DIST FAF TO MAP: <u>5.69</u> THLD: <u>5.69</u> 4. MIN. ALT: YULUB 2500, GUGBE 2400, XUVTY/2.00 NM TO RW13 1220 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: RW13 3000					
				MAG VAR: 1W EPOCH YEAR: 2000	
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		STANDARD @
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LP MDA	920	1	381	920	1
LNAV MDA	960	1	421	960	1
CIRCLING	1100	1	515	1200	1 3/4
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OWENA ON V10 NORTHEAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PIA VORTAC AIRWAY RADIALS 311 CW 076. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. (SEE FORM 8260-10)					
CITY AND STATE LACON, IL			ELEVATION: 585 THRE: 539 AIRPORT NAME: MARSHALL COUNTY		FACILITY IDENTIFIER: RNAV
PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 3 APRIL 2014			SUP: AMDT: NONE DATED		

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, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
XUVTY/2.00 NM TO RW13	RW13 (MAP) (FO)	129.09 / 2.00	
RW13 (MAP)	1000 MSL	129.09	1000
1000 MSL	YULUB (FO)		2500

NOTES, (CONT.):

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PERU ALTIMETER SETTING AND INCREASE ALL MDA 80FT AND INCREASE LP AND CIRCLING CAT C VISIBILITIES 1/4 MILE AND LNAV CAT C VISIBILITY 1/8 MILE.

CHART PROFILE NOTE: DESCENT ANGLE NA.

CITY AND STATE

LACON, IL

ELEVATION: 585

THRE: 539

AIRPORT NAME:

MARSHALL COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

3 APRIL 2014

SUP:

AMDT: NONE

DATED:

**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	C75
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	410118.4800N
LTP/FTP LONGITUDE	0892329.7000W
LTP/FTP ELLIPSOIDAL HEIGHT	+01313
FPAP LATITUDE	410023.3980N
FPAP LONGITUDE	0892157.1505W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

<u>CRC REMAINDER</u>	A9220358
-----------------------------	----------

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01643
FPAP ORTHOMETRIC HEIGHT	+01643

CITY AND STATE

LACON, IL

ELEVATION: 585

THRE: 539

AIRPORT NAME:

MARSHALL COUNTY

 FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

3 APRIL 2014

SUP:

AMDT: NONE

DATED:

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 visibility which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP C75 K5FR13	AOWENA	0100WENAK5EA0E	IF							18000		A JS	
SUSAP C75 K5FR13	AOWENA	020ZEPEBK5EA0E	A 020TF			24710144		+ 02500				A JS	
SUSAP C75 K5FR13	AOWENA	030YULUBK5EA0EE	B 010TF			21910080		+ 02500				A JS	
SUSAP C75 K5FR13	APIA	010PIA K5D 0V	IF							18000		A JS	
SUSAP C75 K5FR13	APIA	020WANLUK5EA0E	A 020TF			01180218		+ 02500				A JS	
SUSAP C75 K5FR13	APIA	030YULUBK5EA0EE	B 010TF			03900080		+ 02500				A JS	
SUSAP C75 K5FR13	AYULUB	010YULUBK5EA0EE	AR HF			12900040		+ 02500		18000		A JS	
SUSAP C75 K5FR13	R	010YULUBK5EA0E	I IF					+ 02500		18000		A JS	
SUSAP C75 K5FR13	R	020GUGBEK5EA1E	F 051TF			12900060		+ 02400			RW13	K5PGA JS	
SUSAP C75 K5FR13	R	020GUGBEK5EA2WALP		N		ALNAV						JS	
SUSAP C75 K5FR13	R	021KUVTYK5EA0E	S 031TF			12910037		+ 01220				A JS	
SUSAP C75 K5FR13	R	030RW13 K5PG0GY	M 031TF			12910020		00960		000		A JS	
SUSAP C75 K5FR13	R	040	0 M CA			1291		+ 01000				A JS	
SUSAP C75 K5FR13	R	050YULUBK5EA0EY	R DF					+ 02500				A JS	
SUSAP C75 K5FR13	R	060YULUBK5EA0EE	R HM			12900040		+ 02500				A JS	

[illegible]

CITY AND STATE LACON, IL	ELEVATION: 585 THRE: 539 AIRPORT NAME: MARSHALL COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 3 APRIL 2014	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - 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.

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP C75 K5PR13 RW13 001 0000W13A0N4101184800W08923297000+013130000N4100233980W08921571505106751528000000F400000A9220358												
	SUSAP C75 K5PR13 RW13 002E +01643+01643LP 66035												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP C75 K5SRW13 K5PG 0 18018003025 M												



CITY AND STATE LACON, IL	ELEVATION: 585 THRE: 539	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: MARSHALL COUNTY		RNAV (GPS) RWY 13, ORIG	AMDT: NONE
			3 APRIL 2014	DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	OWENA	OWENA	010		IF		FB					
	OWENA	ZEPEB	020	IAF	TF		FB	2.0	247.1 (246.1T)	014.4	AA 02500	
	OWENA	YULUB	030		TF		FB	1.0	219.1 (218.1T)	008.0	AA 02500	
	PIA	PIA	010		IF		FB					
	PIA	WANLU	020	IAF	TF		FB	2.0	011.8 (010.8T)	021.8	AA 02500	
	PIA	YULUB	030		TF		FB	1.0	039.0 (038.0T)	008.0	AA 02500	
	YULUB	YULUB	010	IAF	HF	R	FO		129.0 (128.0T)	004.0	AA 02500	
		YULUB	010	FACF	IF		FB				AA 02500	
		GUGBE	020	FAF	TF		FB	0.5	129.0 (128.0T)	006.0	AA 02400	
		XUVTY	021	SDF	TF		FB	0.3	129.1 (128.1T)	003.7	AA 01220	
		RW13	030	MAP	TF		FO	0.3	129.1 (128.1T)	002.0	AT 00960	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		129.1 (128.1T)		AA 01000	
	YULUB	050		DF	R	FO				AA 02500	
	YULUB	060		HM	R	FO		129.0 (128.0T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PIA	N404048.26	W0894733.91	N4040.804	W08947.565
	GUGBE	N410449.22	W0892924.51	N4104.820	W08929.409
	OWENA	N412041.23	W0891138.13	N4120.687	W08911.636
	WANLU	N410212.82	W0894210.45	N4102.214	W08942.174
	XUVTY	N410232.63	W0892534.41	N4102.544	W08925.574
	YULUB	N410831.36	W0893539.76	N4108.523	W08935.663
	ZEPEB	N411449.53	W0892907.82	N4114.826	W08929.130
	RW13	N410118.48	W0892329.70	N4101.308	W08923.495

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW13	00539		00

*Quality
Control*

CITY AND STATE LACON, IL	ELEVATION: 585	THRE: 539	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 13, ORIG	AMDT: NONE
	MARSHALL COUNTY		RNAV	3 APRIL 2014	DATED: