

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: RW27 CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2000 DIRECT KOCET AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 269.21 INBOUND. CHART FAS OBST: 433 TREE 444042N/0752620W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.29 NM TO RW27* *LNAV ONLY. WAAS CHANNEL # 40041 REFERENCE PATH ID: W27A CHART CIRCLING ICON. LTP HAE: 59.9 M								
LETUS		KOCET (FO)		073.85 / 13.62			2000										
MSS VORTAC (IAF)		KOCET (NOPT) (FB)		253.77 / 22.18			2000										
KOCET (IF/IAF)		POTIC (FB)		269.20 / 7.29			1900										
POTIC (FAF)		WOROS/2.70 NM TO RW27 (FB)		269.10 / 2.18													
WOROS/2.70 NM TO RW27		RW27 (MAP) (FO)		269.10 / 2.70													
RW27 (MAP)		800 MSL		269.10			800										
800 MSL		KOCET (FO)					2000										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E KOCET, LT, 269.21 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 269.10 FAF: POTIC DIST FAF TO MAP: 4.88 THLD: 4.88 4. MIN. ALT: KOCET 2000, POTIC 1900, WOROS/2.70 NM TO RW27 1200* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1900 GS ALT AT: POTIC 1900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR 8. MSA FROM: RW27 3000																	
											MAG VAR: 13W EPOCH YEAR: 1980						
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT											ALTERNATE: N A <input checked="" type="checkbox"/> X						
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	552	3/4	250	552	3/4	250	552	3/4	250	552	3/4	250					
LNAV/VNAV DA	758	1 1/2	456	758	1 1/2	456	758	1 1/2	456	758	1 1/2	456					
LNAV MDA	760	1	458	760	1	458	760	1 3/8	458	760	1 3/8	458					
CIRCLING	760	1	458	1000	1	698	1000	2	698	1000	2 1/4	698					
NOTES: CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MASSENA ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LETUS ON V29 WESTBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MSS VORTAC AIRWAY RADIALS 194 CW 313. (CONTINUED ON PAGE 2)																	
CITY AND STATE				ELEVATION: 302 TDZE: 302				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
OGDENSBURG, NY				AIRPORT NAME:								RNAV (GPS) RWY 27, AMDT 1				AMDT: ORIG-A	
				OGDENSBURG INTL												DATED 05/08/2008	

QUALITY
 23
 CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE <div style="text-align: center;">ROUTINE</div>	
COORDINATED WITH:					
ATA <input checked="" type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input checked="" type="checkbox"/>	APA <input checked="" type="checkbox"/>	AOPA <input checked="" type="checkbox"/>	NBAA <input checked="" type="checkbox"/>
OTHER (specify) <u>ZBW, BTV FSS, AIRPORT MANAGER</u>					
FLIGHT CHECKED BY					
NAME: Pending				FIFO	DATE:
DEVELOPED BY					
NAME: GEORGETTE P. BARNETT				<i>Digitally signed by</i> GEORGETTE P BARNETT	FIFO AJV-5412 DATE: 07/08/2016
APPROVED BY Jul 13, 2016					
NAME: MARLON J. ROBINSON				<i>Digitally signed by</i> ADOLFO D URRUTIA MANAGER	FIFO AJV-5410 DATE:
CHANGES: Jul 14, 2016					
1. ADDED LPV AND LNAV/VNAV MINIMUMS. 2. REMOVED NOTE: WHEN VGSI INOPERATIVE, PROCEDURE NA AT NIGHT. 3. REMOVED NOTE: INOP TABLE DOES NOT APPLY. 4. DISTANCE PFAF/FAF (POTIC) TO THLD CHANGED FROM 4.87 TO 4.88. 5. DISTANCE FROM KOCET TO POTIC CHANGED FROM 7.50 NM TO 7.29 NM. 6. CHANGED REMOTE ALTIMETER NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MASSENA ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND LNAV CAT C AND D VISIBILITY 1/4 MILE AND CIRCLING CAT B, C AND D VISIBILITY 1/4 MILE TO READ WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MASSENA ALTIMETER SETTING AND INCREASE LPV DA TO 636, LNAV/VNAV DA TO 842 AND ALL VISIBILITIES 3/8 SM; INCREASE ALL MDA 100 FEET AND LNAV AND CIRCLING CAT C AND D VISIBILITIES 1/4 SM. 7. PROCEDURE TCH CHANGED FROM 52 FT TO 45 FT. 8. LNAV MDA/HAT CHANGED FROM 780/483 TO 760/458. 9. CIRCLING CAT A MDA/HAA CHANGED FROM 780/483 TO 760/458, CAT C, B, D HAA CHANGED FROM 703 TO 698. 10. ADDED BARO-VNAV NOTE FOR CRITICAL HIGH/LOW TEMPERATURE. 11. ADDED VDP INFORMATION. (SEE FORM 8260-10)					
REASONS:					
1/10/11/12/13. IAW 8260.19G. 2. 20:1/34:1 VISUAL SURFACE CLEAR. 3. APPROACH LIGHTS (MALS) REMOVED. 4/5. RWY THLD EXTENDED, PFAF/FAF MOVED. 6. UPDATED NOTE IAW 8260.19G, ADDED INCREASE TO LPV AND LNAV/VNAV USING MSS ALTIMETER SETTING. 7. ALIGNED WITH VGSI TCH. 8. ADDED STEPDOWN IN FINAL SEGMENT, TDZE CHANGED FROM 297 TO 302. 9. CAT A CIRCLING MDA BASED ON SI MDA, AIRPORT ELEVATION CHANGED FROM 297 TO 302. 14/15/16. IAW 8260.19G.					

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

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MASSENA ALTIMETER SETTING AND INCREASE

LPV DA TO 636, LNAV/VNAV DA TO 842 AND ALL VISIBILITIES 3/8 SM; INCREASE ALL MDA 100 FEET AND

LNAV AND CIRCLING CAT C AND D VISIBILITIES 1/4 SM.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).

CITY AND STATE
OGDENSBURG, NY

ELEVATION: 302 **TDZE: 302**
AIRPORT NAME:
OGDENSBURG INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 1

SUP: **ORIG-A**
AMDT: **ORIG-A**
DATED: **05/08/2008**

QUALITY
23
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
<div>CHANGES:</div> <div>CHANGES CONT.</div> <div>12. ADD NOTE: BARO-VNAV AND VDP NA WITH MASSENA ALTIMETER SETTING.</div> <div>13. ADD NOTE IN ADDITIONAL FLIGHT DATA: CHART CIRCLING ICON.</div> <div>14. PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVALS AT LETUS VIA V-29 WESTBOUND" CHANGED TO "PROCEDURE NA FOR ARRIVALS AT LETUS ON V29 WESTBOUND."</div> <div>15. PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVALS AT MSS VORTAC AIRWAY RADIALS 194 CW 313" CHANGED TO "PROCEDURE NA FOR ARRIVALS ON MSS VORTAC AIRWAY RADIALS 194 CW 313."</div> <div>16. CHANGED MA INSTRUCTIONS FROM "CLIMBING LEFT TURN TO 2000 DIRECT KOCET WP AND HOLD" TO "CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2000 DIRECT KOCET AND HOLD."</div>					
REASONS:					

**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	KOGS
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	444103.7210N
LTP/FTP LONGITUDE	0752704.7575W
LTP/FTP ELLIPSOIDAL HEIGHT	+00599
FPAP LATITUDE	444042.1870N
FPAP LONGITUDE	0752905.9345W
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	0800
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 CE619BAC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00920
FPAP ORTHOMETRIC HEIGHT	+00920

CITY AND STATE
OGDENSBURG, NY

ELEVATION: 302 TDZE: 302
AIRPORT NAME:
OGDENSBURG INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 1

SUP: **23**
AMDT: **ORIG-A**
DATED: **05/08/2008**

QUALITY
23
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: <div>ATA<input type="checkbox"/> AAT<input type="checkbox"/> ALPA<input type="checkbox"/> APA<input type="checkbox"/> AOPA<input type="checkbox"/> NBAA<input type="checkbox"/> OTHER (specify) <input type="checkbox"/> _____</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KOGS

ROUTES

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
LETUS	010	LETUS	IF	FB										E
LETUS	020	KOCET	TF	FO	2.0	073.9						AA 02000		EY
LETUS	030	KOCET	HF	FO		269.2			L			AA 02000		EE A
MSS	010	MSS	IF	FB										V A
MSS	020	KOCET	TF	FB	1.0	253.8						AA 02000		EE B
	010	KOCET	IF	FB								AA 02000		E I
	020	POTIC	TF	FB	1.0	269.2				RW27		AA 01900		E F
	021	WOROS	TF	FB	0.3	269.1		3.00				AA 01200 GS 01206		E S
	030	RW27	TF	FO	0.3	269.1		3.00				AT 00347		GY M
	040		CA	FB		269.1						AA 00800		M
	050	KOCET	DF	FO					L			AA 02000		EY
	060	KOCET	HM	FO		269.2			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
MSS	N445451.92	W0744321.78
LETUS	N443722.34	W0752711.44
KOCET	N444359.04	W0751030.59
POTIC	N444214.21	W0752026.51
WOROS	N444142.78	W0752324.37

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW27	N444103.72	W0752704.76	00302	45

QUALITY
4
CHECKED

CITY AND STATE OGDENSBURG, NY	ELEVATION: 302 TDZE: 302	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: OGDENSBURG INTL	RNAV	RNAV (GPS) RWY 27, AMDT 1	AMDT: ORIG-A
				DATED: 05/08/2008

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div> <div></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT		FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL		ROC		ALT. ADJUSTMENTS		MIN. ALT.			
FEEDER		LETUS		KOCET		1. AAO		444227.00N/0751724.00W		607 (3E)		1000		AT393		2000			
						2. TERRAIN		444227.00N/0751724.00W		407 (400)				AS1500		1900			
INITIAL		MSS VORTAC		KOCET		3. AAO		444948.00N/0745621.00W		634 (3E)		1000		AT366		2000			
						4. TERRAIN		444948.00N/0745621.00W		434 (400)				AS1500		1900			
INTERMEDIATE		KOCET (IF/IAF)		POTIC		1. AAO		444227.00N/0751724.00W		607 (3E)		500		AC73		1200			
						2. TERRAIN		444227.00N/0751724.00W		407 (400)				AS1500		1900			
FINAL: LPV		POTIC		RW27		5. TREE (KOGST000138)		444107.53N/0752634.89W		359 (1A)		34:1				552/250			
FINAL: LNAV/VNAV		POTIC		RW27		6. TREE (KOGST000161)		444041.74N/0752619.85W		433 (1A)		23.38:1		MA164		758/456			
FINAL: LNAV		POTIC		WOROS/2.70 NM TO RW27		7. AAO		444214.23N/0752148.13W		587 (2C)		250		RA88 DG263		1200			
FINAL: LNAV STEPDOWN		WOROS/2.70 NM TO RW27		RW27		6. TREE (KOGST000161)		444041.74N/0752619.85W		433 (1A)		250		MA60		760			
2. HOLD-IN-LIEU-OF-PT		KOCET		P-4		8. TOWER (36-001953)		444125.00N/0745932.00W		720 (1A)		1000				1800			
						9. TERRAIN		444227.00N/0750218.00W		486 (500)				AS1500		2000			
3. MISSED APPROACH	MAP:		DA / DA / RW27		KOCET		10. ANT (KOGST000163)		444221.01N/0752755.89W		689 (1B)		ASC				2000		
	ELEV:		365/597/656				11. TOWER (36-000518)		443457.00N/0753043.00W		693 (5D)		1000				1700		
							12. TERRAIN		443539.00N/0753033.00W		470 (500)				AS1500		2000		
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	458	13. TWR (KOGST000159)		444157.48N/0752826.70W		440 (1B)		300		SI		760	
CATEGORY B		1.5 NM			450		698	10. ANT (KOGST000163)		444221.01N/0752755.89W		689 (1B)		300				1000	
CATEGORY C		1.7 NM			450		698	10. ANT (KOGST000163)		444221.01N/0752755.89W		689 (1B)		300				1000	
CATEGORY D		2.3 NM			550		698	10. ANT (KOGST000163)		444221.01N/0752755.89W		689 (1B)		300				1000	
CATEGORY E		4.5 NM			550														
5. MINIMUM SAFE ALTITUDES								PRIMARY NAVAID: RW27											
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	
360-360		TWR (36-000408)		127/28.0		1993 (5E)		3000											
CITY AND STATE		OGDENSBURG, NY		ELEVATION: 302		AIRPORT NAME: OGDENSBURG INTL		FACILITY RNAV		PROCEDURE AND AMENDMENT NO: RNAV (GPS) RWY 27, AMDT 1		REGION AEA							

QUALITY
23
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