

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: RW28 CLIMB TO 2400 DIRECT TAREE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 104.76 INBOUND. CHART FAS OBST: 665 TWR 435904N/0755652W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.70 NM TO RW28* *LNAV ONLY. WAAS CHANNEL # 82322 REFERENCE PATH ID: W28A LTP HAE: 67.2 M									
CIPNA		MUVRE (TF) (FO) (RNP 2.00)		151.93 / 14.91				3500											
LIDLE		PATEE (TF) (FB) (RNP 2.00)		072.68 / 15.80				3600											
PATEE (IAF)		SUVOY (NOPT) (TF) (FB) (RNP 1.00)		357.43 / 5.15				3600											
SUVOY		MUVRE (TF) (FB) (RNP 1.00)		357.41 / 4.00				3500											
MUVRE (IF/IAF)		WONPO (TF) (FB) (RNP 1.00)		285.14 / 5.44				2200											
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE MUVRE, LT, 307.14 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: 285.06 FAF: WONPO DIST FAF TO MAP: 5.73 THLD: 5.73 4. MIN. ALT: MUVRE 3500, WONPO 2200, 581, HUPUM/2.90 NM TO RW28 1300* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2200 GS ALT AT: WONPO 2200 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: RW28 3600																MAG VAR: 12W		EPOCH YEAR: 1980	
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	581	3/4	250	581	3/4	250	581	3/4	250	581	3/4	250							
LNAV/VNAV DA	852	1 3/4	521	852	1 3/4	521	852	1 3/4	521	852	1 3/4	521							
LNAV MDA	920	1	589	920	1	589	920	1 3/4	589	920	1 3/4	589							
CIRCLING	920	1	589	960	1	629	980	1 3/4	649	1080	2 1/2	749							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -20C (-4F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING WHEELER-SACK AAF ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LIDLE ON V145 SOUTHBOUND. (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 331 TDZE: 331		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
WATERTOWN, NY		AIRPORT NAME: WATERTOWN INTL				RNAV (GPS) RWY 28, AMDT 1				AMDT: ORIG-A									
						22 JUNE 2017				DATED 06/26/2014									



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.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
WONPO (FAF)	HUPUM/2.90 NM TO RW28 (TF) (FB) (RNP 0.30)	285.06 / 2.83	
HUPUM/2.90 NM TO RW28	RW28 (MAP) (TF) (FO) (RNP 0.30)	285.06 / 2.90	
RW28 (MAP)	581 MSL (CA)	285.06	
581 MSL	TAREE (DF) (FO) (RNP 1.00)		2400

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE WHEELER-SACK AAF ALTIMETER SETTING AND INCREASE LPV DA TO 663 FEET AND ALL VISIBILITY TO 1 1/8 SM; LNAV/VNAV DA TO 934 FEET, AND ALL VISIBILITY TO 2 1/2 SM. INCREASE ALL MDA 100 FEET AND LNAV CAT C/D VISIBILITY 1/2 SM, CIRCLING CAT C/D 1/4 SM.
 CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY
16
CHECKED

CITY AND STATE
WATERTOWN, NY

ELEVATION: 331 TDZE: 331
 AIRPORT NAME:
 WATERTOWN INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 28, AMDT 1
 22 JUNE 2017

SUP:
 AMDT: ORIG-A
 DATED: 06/26/2014

**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	KART
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	435928.5830N
LTP/FTP LONGITUDE	0760014.7025W
LTP/FTP ELLIPSOIDAL HEIGHT	+00672
FPAP LATITUDE	435933.1815N
FPAP LONGITUDE	0760217.9630W
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	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 FF50C66F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01008
FPAP ORTHOMETRIC HEIGHT	+01008

QUALITY
16
CHECKED

CITY AND STATE WATERTOWN, NY	ELEVATION: 331 AIRPORT NAME: WATERTOWN INTL	TDZE: 331 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1 22 JUNE 2017	SUP:
				AMDT: ORIG-A
				DATED: 06/26/2014