

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<b>AIRPORT ID</b> ART	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 7	<b>ORIGINAL/AMENDMENT</b> 4	<b>CITY</b> WATERTOWN	<b>STATE</b> NY
<b>AIRPORT ELEVATION</b> 331	<b>TDZE</b> 319	<b>SUPERSEDED</b> RNAV (GPS) RWY 7	<b>ORIGINAL/AMENDMENT</b> 3	<b>DATED</b> 07/19/2018
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 7 AUGUST 2025	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>MAG VAR</b> 12W
				<b>EPOCH YEAR</b> 1980
				<b>CANCEL/SUSPEND</b>

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 335/30 CW 155/30	NOPT	NOYAQ	IF/IAF	3500
2. 155/30 CW 335/30		155/15 CW 335/15		4500
3. 155/15 CW 335/15		NOYAQ	IF/IAF	3500

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
NOYAQ	IF/IAF	KRUPP		TF	FB	1.00	065.26	9.90	2000
KRUPP	FAF	RW07	MAP	TF	FO	0.30	065.39	5.13	
RW07	MAP	900 MSL		CA		1.00	065.39		900
900 MSL		NOYAQ		DF	FO	1.00			3500

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW07

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3500 DIRECT NOYAQ AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
20  
CHECKED

**PROFILE:**

- 1. **PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF** (IAF)
- 2. HOLD SW NOYAQ, RT, 065.26 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 065.39                      **FAF:** KRUPP                      **DIST FAF TO MAP:** 5.13                      **DIST FAF TO THLD:** 5.13
- 4. **MIN ALT:** NOYAQ 3500, KRUPP 2000
- 5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **200 HAT:** 0.48                      **GS ANT:**
- 6. **MIN GP INCPT:** 2000                      **GP ALT AT PFAF:** KRUPP 2000                      **OM:**                      **MM:**                      **IM:**
- 7. **GP ANGLE:** 3.00                      **34:1:** IS CLEAR                      **20:1:** IS CLEAR                      **TCH:** 55.0
- 8. **MSA FROM:**

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C OR ABOVE 54C.

**ADDITIONAL FLIGHT DATA:**

CHART WHEELER-SACK AAF ATIS.  
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV VISIBILITIES ALL CATS TO 1 3/8 SM AND LNAV CAT C/D VISIBILITIES TO 1 3/8 SM.  
 FAS OBST: 538 AAO 435648N/0760506W.  
 CHART 455 TOWER (36-002028) 435605N/0760657W.  
 CHART VDP AT 1.37 NM TO RW07.  
 WAAS CHANNEL # 82510  
 REFERENCE PATH ID: W07A  
 CHART CIRCLING ICON.  
 LTP HAE: 60.9 M

**MINIMUMS:**

**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT**

**ALTERNATE:** NA  STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA												
LPV DA	519	1/2	200	519	1/2	200	519	1/2	200	519	1/2	200				
LNAV/VNAV DA	800	1	481	800	1	481	800	1	481	800	1	481				
LNAV MDA	800	1/2	481	800	1/2	481	800	1	481	800	1	481				
CIRCLING	960	1	629	960	1	629	980	1 3/4	649	1080	2 1/2	749				



**CHANGES - REASONS**

- TERMINAL ROUTES - PFAF, KRUPP MOVED 82.43 FT NE TO MATCH ILS GS INTERCEPT FOR ILS OR LOC RWY 7 KART.
- TERMINAL ROUTES - NOYAQ TO KRUPP DISTANCE CHANGED FROM 9.88 TO 9.90 - KRUPP RELOCATED.
- TERMINAL ROUTES - FINAL LPV, LNAVNAV AND LNAV, KRUPP TO DA AND RWY 07 DISTANCE CHANGED FROM 5.15 TO 5.13 - KRUPP RELOCATED.
- MINIMUMS - LNAV/VNAV ALL CATS DA INCREASED FROM 578 TO 800 AND VIS ALL CATS INCREASED FROM 1/2 TO 1 - NEW OBSTACLE EVALUATION.
- MINIMUMS - LNAV ALL CATS MDA INCREASED FROM 780 TO 800 - NEW OBSTACLE EVALUATION.
- PROFILE - LINE 3 DISTANCE FAF TO MAP AND DISTANCE FAF TO THLD CHANGED FROM 5.15 TO 5.13 - KRUPP (PFAF) RELOCATED.
- ADDITIONAL FLIGHT DATA - CHANGED FAS OBST FROM 530 AAO 435643N/0760513W TO 538 AAO 435648N/0760506W IAW 8260.19 ATTACHMENT 4.
- PROFILE - LINE 7 TCH CHANGED FROM 50.6 TO 55 - TO MATCH ILS.
- FAS DATA - TCH CHANGED FROM 50.6 TO 55 AND CRC REMAINDER CHANGED FROM C38C5E2F TO 84F153C1.
- VDP CHANGED FROM 1.31 NM TO 1.37 NM - PFAF MOVED TO MATCH ILS / DESIGN TCH.
- BARO-VNAV NOTE LOW TEMP CHANGED FROM -18C TO -20C - ACT 5 YEAR HISTORY USED 2019-2023.
- ADDITIONAL FLIGHT DATA - REMOVED FREQUENCY 119.525 FROM WHEELER-SACK AAF ATIS - NO LONGER NECESSARY TO INCLUDE FREQUENCY.

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZBW, WHEELER-SACK ARAC, AMGR

**FLIGHT CHECKED BY**

JEREMY R VIRTS

*Digitally signed by*  
**CASIMIR L TABAKA**  
Jun 06, 2025

**OFFICE**

AJF

**DATE**

04/25/2025

**DEVELOPED BY**

JOHN BORDY (JOHN BRUNO)

*Digitally signed by*  
**CASIMIR L TABAKA**  
Jun 06, 2025

**OFFICE**

AJV-A433

**DATE**

02/20/2025

**APPROVED BY**

JOHN BORDY

*Digitally signed by*  
**CASIMIR L TABAKA**  
Jun 06, 2025

**OFFICE**

AJV-33

**DATE**

**TITLE**  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KART
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	435916.2275N
LTP/FTP LONGITUDE	0760147.7940W
LTP/FTP ELLIPSOIDAL HEIGHT	+00609
FPAP LATITUDE	440009.2780N
FPAP LONGITUDE	0760008.6225W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 84F153C1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00946
FPAP ORTHOMETRIC HEIGHT	+00946

