

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TACAN STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

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.

<u>AIRPORT ID</u> IAG	<u>PROCEDURE NAME</u> TACAN RWY 28	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> NIAGARA FALLS	<u>STATE</u> NY
<u>AIRPORT ELEVATION</u> 592	<u>TDZE</u> 588	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u> 10W
<u>FACILITY</u> IAG	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 11/27/2025	<u>MAG VAR</u> 1985
			<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u>

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
AIRCO/IAG 21.78 DME		EDUSE/IAG 15.29 DME					264.37 (IAG R-084)	6.49	3000
EDUSE/IAG 15.29 DME CW	IAF	KESVE/IAG 15.29 DME					15.29 DME ARC	5.79	2200
KESVE/IAG 15.29 DME	IF	WEDOD/IAG 5.80 DME					286.06 (IAG R-106)	9.49	2000

MISSED APPROACH

MAP:

GUMDE/IAG 1.74 DME

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 3000 ON HEADING 100 AND IAG TACAN R-084 TO EDUSE/IAG 15.29 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|--|--------------------------------|-----------------|-------------------------|--------------------------|--------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. PROFILE STARTS AT KESVE/IAG 15.29 DME | | | | | |
| 3. FAC: 286.06 | FAF: WEDOD/IAG 5.80 DME | | DIST FAF TO MAP: | DIST FAF TO THLD: | 4.55 |
| 4. MIN ALT: KESVE/IAG 15.29 DME 2200, WEDOD/IAG 5.80 DME 2000 | | | | | |
| 8. MSA FROM: IAG TACAN 2900, ESA W/IN 30 NM 5300 | | | | | |



NOTES:

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING NA FOR CAT E SE OF RWY 6-24.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE VISIBILITY CATS A/B RVR 5500, CATS C/D/E 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 264.24 INBOUND.
FAS OBST: 827 AAO 430621N/0785030W.
CHART CYR 518.
CHART NIAGARA FALLS FLIGHT RESTRICTION AREA.
CHART VDP AT 2.85 DME.
DISTANCE VDP TO THLD 1.59 NM.
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.
WEDOD TO RW28: 2.81/55.0.

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 800-2 1/4, CAT E 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-28	1080	4000	492	1080	4000	492	1080	5000	492	1080	5000	492	1080	5000	492
CIRCLING	1100	1	508	1100	1	508	1280	2	688	1280	2 1/4	688	1280	2 1/2	688

CHANGES - REASONS

10/09/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/09/25.
1. CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 11/27/25 - HARD DATED.



AIRPORT ID
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PROCEDURE NAME
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ORIGINAL/AMENDMENT
ORIG

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NIAGARA FALLS

STATE
NY

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZOB, BUF APP CON, IAG ATCT, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by
CASIMIR L TABAKA
Oct 10, 2025

OFFICE

DATE

DEVELOPED BY

BRITNEY ARMENTROUT

Digitally signed by
CASIMIR L TABAKA
Oct 10, 2025

OFFICE
AJV-A422

DATE
07/09/2025

APPROVED BY

RAKE MCGRAW

Digitally signed by
CASIMIR L TABAKA
Oct 10, 2025

OFFICE
AJV-A422

DATE

TITLE
MANAGER



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MISSED APPROACH

FROM
GUMDE/IAG 1.74 DME

TO
EDUSE/IAG 15.29 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
830

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				
TOWER (36-020649)	430956.90N/0784504.15W	941	20	3	1A	1000					2000
TERRAIN	430936.00N/0785318.00W	662 (700)								AS1500	2200

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
WATER_TOWER (36-073620)	430715.70N/0785905.70W	1.30	508	787	20	10	1B	300			1100
CATEGORY B											
WATER_TOWER (36-073620)	430715.70N/0785905.70W	1.83	508	787	20	10	1B	300			1100
CATEGORY C											
STACK (36-099307)	430502.08N/0790020.71W	2.87	688	969	20	10	1B	300			1280
CATEGORY D											
STACK (36-099307)	430502.08N/0790020.71W	3.75	688	969	20	10	1B	300			1280
CATEGORY E											
STACK (36-099307)	430502.08N/0790020.71W	4.69	688	969	20	10	1B	300			1280

CIRCLING REMARKS:



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ESA

CENTER **RADIUS**
IAG TACAN 30

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	WINDMILL (42-132292)	415423.21N/0774207.71W	152	91.4	3234	20	3	1A	2000			5300

ESA REMARKS:

MSA

CENTER **RADIUS**
IAG TACAN 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	424000.00N/0784230.00W	167	29.0	1825	215	8	4B	1000			2900

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



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PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

BUF APP CON, IAG TOWER

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	IAG	24	IAG		Y	0

<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	BUF	24	BUF	13.78	Y	48

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KIAG 592, KBUF 708
RA = 47.8.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
IAG TACAN	IAG ATCT	OPEN	1
		CLOSED	3

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW10R - REIL (PCL), MIRL (PCL), PAPI-2L (PCL)	BSC-G	
RW28L - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	BSC-G	
RW06 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-G	
RW24 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-G	
RW10 - C/LINE (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-G	ROLL OUT
RW28 - MALSR (PCL), HIRL (PCL), C/LINE (PCL), TDZ, PAPI-4L	PIR-G	APPROACH

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
					2.50	67.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input type="checkbox"/>	3000FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 6	
20:1		
640 TREE (36-022619) 430556.1900N/0785654.3000W (4.22)		

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FINAL TYPE	TACAN
34:1	
647 TREE (36-022599) 430635.7200N/0785532.0600W (14.26)	625 TREE (36-022597) 430629.6900N/0785535.8500W (0.49)
PENETRATIONS REMARKS:	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ORDER 8260.3 CHAPTER 2 APPLIED TO 830 TERRAIN+AAO 430630N/0785015W.

0 FOOT VEGETATION APPLIED PER FPT. DENSELY SURVEYED 1A OBSTACLES/TREES/TERRAIN SURROUNDING KIAG.

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BUF ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND VISIBILITY CAT C/D/E TO RVR 6000 AND CIRCLING VISIBILITY CAT C/D/E 1/4 SM.

VDP NA WHEN USING BUF ALTIMETER SETTING.

FOR INOPERATIVE ALS WHEN USING BUF ALTIMETER SETTING, INCREASE CATS A/B RVR 4500 AND CAT E 1 5/8 SM. ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.22
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.44
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	276.06
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	THLD	TO 1500FT POINT	13.84
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	8.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	276.06
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD COORDINATES (IF STR-IN) 430634.16N/0785555.32W
ARP COORDINATES 430630.29N/0785646.31W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 10 DISTANCE 1.00 NM
FAF COORDINATES 430608.13N/0784944.33W
FIX NAME COORDINATES IF KESVE 430506.39N/0783651.78W

REMARKS

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
BRITNEY ARMENTROUT	AJV-A422	07/09/2025	AERONAUTICAL INFORMATION SPECIALIST

