

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
ISO	ILS OR LOC RWY 5	14	KINSTON	NC		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
93	93	ILS OR LOC RWY 5	13	01/22/2026	9W	2000
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-ISO	352043.83N/0773537.83W		ROUTINE			

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>
UHIRO/I-ISO 12.88 DME/RADAR	IF/IAF	ZOMAV/I-ISO 8.10 DME/RADAR					050.09 (I-ISO)	4.78	2100

MISSED APPROACH

MAP:

ILS: DA
LOC: I-ISO 1.98 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2500 ON HEADING 110 AND ON ISO VORTAC R-130 TO WILUN/ISO 10.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)		
2.	HOLD SW UHIRO/I-ISO 12.88 DME/RADAR, RT, 050.09 INBOUND, 2100 IN LIEU OF PT (IAF), MAX 4500.							
3.	FAC:	050.09	FAF:	ZOMAV/I-ISO 8.10 DME/RADAR	DIST FAF TO MAP:		DIST FAF TO THLD:	6.12
4.	MIN ALT: UHIRO/I-ISO 12.88 DME/RADAR 2100, ZOMAV/I-ISO 8.10 DME/RADAR 2100, ZATVA/I-ISO 4.33 DME 900							
5.	DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	GS ANT:	1128	
6.	MIN GS INCPT: 2100		GS ALT AT PFAF: ZOMAV/I-ISO 8.10 DME/RADAR 2100			OM:	MM:	IM:
7.	GS ANGLE:	3.00	34:1:	20:1:	TCH:	58.8		
8.	MSA FROM: ISO VORTAC 3100							



EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.
DME REQUIRED.

NOTES:

CHART NOTE: VDP NA WHEN USING GSB ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GSB ALTIMETER SETTING AND INCREASE S-ILS 05 DA TO 336 FEET; INCREASE ALL MDAS 60 FEET AND S-LOC 05 VISIBILITY CAT C/D/E TO RVR 4500 AND CIRCLING VISIBILITY CAT E 1/4 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 05 CAT E VISIBILITY TO RVR 4000 AND S-LOC 05 CAT E VISIBILITY RVR 6000.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 310.12 INBOUND.
CHART FAS OBST: 227 TREE (37-138183) 351725N/0773839W.
CHART 391 ANTENNA (37-138523) 351657N/0773907W.
CHART VDP AT 3.00 DME.
DISTANCE VDP TO THLD 1.03 NM.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED., NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT E 800-2 1/2, NA WHEN CONTROL TOWER CLOSED., NA WHEN LOCAL WEATHER NOT AVAILABLE.

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-ILS 05	293	2400	200	293	2400	200	293	2400	200	293	2400	200	293	2400	200
S-LOC 05	480	2400	387	480	2400	387	480	3500	387	480	3500	387	480	3500	387
CIRCLING	540	1	447	560	1	467	700	1 3/4	607	700	2	607	780	2 1/2	687

CHANGES - REASONS

1. MAP: CHANGED FROM "LOC: I-ISO /1.98 DME" TO "LOC: I-ISO 1.98 DME" – UPDATED FORMAT IAW 8260.19K.
2. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2500 ON HEADING 110 AND ON EWN VOR/DME R-313 TO WILUN/EWN 20.90 DME AND HOLD" TO "CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2500 ON HEADING 110 AND ON ISO VORTAC R-130 TO WILUN/ISO 10.00 DME AND HOLD" – NEW FIX MAKEUP FOR WILUN IAW 8260.19K.
3. PROFILE LINE 5: REMOVED DIST TO THLD FROM PFAF "8.10" – NOT REQUIRED IAW 8260.19K.
4. PROFILE LINE 8: MSA CHANGED FROM "KISO 3100" TO "ISO VORTAC 3100" – AT FPT'S REQUEST TO ALIGN PROCEDURE WITH CURRENT CRITERIA IAW 8260.3G.
5. ADDITIONAL FLIGHT DATA: CHANGED FROM "HOLD NW, RT, 133.41 INBOUND" TO "HOLD SE, RT, 310.12 INBOUND" – NEW FIX MAKEUP FOR WILUN AND FLIGHT PATH CHANGED TO NOT OVERLAP NAVIAD IAW 8260.19K.
6. NOTES: REMOVED "CHART NOTE: FOR INOPERATIVE ALS WHEN USING GSB ALTIMETER SETTING, INCREASE S-ILS 05 CAT E VISIBILITY TO RVR 4000 AND INCREASE S-LOC 05 CAT E VISIBILITY TO 1 3/8 SM" – DOCUMENTATION NO LONGER REQUIRED BY CRITERIA.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

☒

HAI

☐

NBAA

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OTHER: ZDC, GSB APP CON, ISO ATCT, ISO AMGR

FLIGHT CHECKED BY	Digitally signed by	OFFICE	DATE	
MICHAEL C MCCURDY	CASEY D HILL Oct 13, 2026	AJF	10/9/2026	
DEVELOPED BY	Digitally signed by	OFFICE	DATE	
CODY J. GIVEN (RAKE MCGRAW)	CASEY D HILL Oct 13, 2026	AJV-A431	04/21/2026	
APPROVED BY	Digitally signed by	OFFICE	DATE	TITLE
RAKE MCGRAW	CASEY D HILL Oct 13, 2026	AJV-A422		MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
ISO	ILS OR LOC RWY 5	14	KINSTON	NC	93	I-ISO

PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM UHIRO/I-ISO 12.88 DME/RADAR (IF/IAF) **TO** ZOMAV/I-ISO 8.10 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u> 4.78	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (37-022313)	350948.36N/0774214.83W	411	250	50	4D	500				AT1189	2100
TERRAIN	351045.00N/0774451.00W	147 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: ILS

FROM ZOMAV/I-ISO 8.10 DME/RADAR **TO** RW05

<u>RNP</u>	<u>DISTANCE</u> 6.12	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 200	<u>HMAS</u>						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				293

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LOC

FROM

ZOMAV/I-ISO 8.10 DME/RADAR

TO

ZATVA/I-ISO 4.33 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	3.77										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
ANTENNA (37-138523)	351657.46N/0773907.40W	391	20	3	1A	250				RA60 XL7 AT192	900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM

ZATVA/I-ISO 4.33 DME

TO

I-ISO 1.98 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	2.35		I-ISO 1.98 DME		387						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (37-138183)	351724.82N/0773839.29W	227	20	3	1A	250					480

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

UHIRO/I-ISO 12.88 DME/RADAR

TO

P-4

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-4	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (37-003158)	351223.40N/0774945.30W	603	250	50	4D	1000				AT497	2100
TERRAIN	350527.00N/0774433.00W	167 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS

FROM

DA

TO

WILUN/ISO 10.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 122			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2500
TOWER (37-002174)	351331.55N/0772652.12W	404	250	50	4D	1000					1500
TERRAIN	351900.00N/0773630.00W	98 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LOC

FROM

I-ISO 1.98 DME

TO

WILUN/ISO 10.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
							230				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2500
TOWER (37-002174)	351331.55N/0772652.12W	404	250	50	4D	1000					1500
TERRAIN	351900.00N/0773630.00W	98 (100)								AS1500	1600

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

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
ELEVATOR (37-138912)	352100.15N/0773448.41W	1.30	447	239	20	3	1A	300			540
CATEGORY B											
ELEVATOR (37-138912)	352100.15N/0773448.41W	1.81	467	239	20	3	1A	300		HAA	560
CATEGORY C											
ANTENNA (37-138523)	351657.46N/0773907.40W	2.84	607	391	20	3	1A	300			700
CATEGORY D											
ANTENNA (37-138523)	351657.46N/0773907.40W	3.71	607	391	20	3	1A	300			700
CATEGORY E											
TOWER (37-003113)	352058.45N/0774156.50W	4.63	687	426	250	50	4D	300		AC50	780

CIRCLING REMARKS:

MSA

CENTER

ISO VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (37-000800)	350616.00N/0772011.00W	151	19.3	2034	500	50	5D	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

GSB APP CON, ISO TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	ISO	24	ISO		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	GSB	24	GSB	17.99	Y	43

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
ISO 93, GSB 102
RA = 42.7.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-ISO	ISO ATCT	1130-0300Z	1
		0300-1130Z	3

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW23 - HIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	ROLL OUT
RW05 - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	APPROACH

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	91.7	58.8	88.8	1128	3.00	60.4

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	538
ON CENTERLINE	X	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

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.

100 FT VEGETATION USED PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 391 ANTENNA (37-138523) 351657.46N/0773907.40W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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	2.98
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.86
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	041.09
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	THLD	TO 1500FT POINT	5.12
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.32
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	041.09
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD COORDINATES (IF STR-IN) 351914.32N/0773713.13W

ARP COORDINATES 351953.16N/0773631.79W

RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 5 DISTANCE 0.95 NM

FAF COORDINATES 351436.96N/0774207.88W

FIX NAME COORDINATES

REMARKS

THLD DISPLACED 538FT, ACTUAL COORDINATES: 351910.31N/0773717.39W

PART E: PREPARED BY

NAME

CODY J. GIVEN (RAKE MCGRAW)

OFFICE

AJV-A431

DATE

04/21/2026

TITLE

AERONAUTICAL INFORMATION SPECIALIST

