

**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> ITH	<u>PROCEDURE NAME</u> ILS OR LOC RWY 32	<u>ORIGINAL/AMENDMENT</u> 8A	<u>CITY</u> ITHACA	<u>STATE</u> NY
<u>AIRPORT ELEVATION</u> 1099	<u>TDZE</u> 1099	<u>SUPERSEDED</u> ILS OR LOC RWY 32	<u>ORIGINAL/AMENDMENT</u> 8	<u>DATED</u> 03/24/2022
<u>FACILITY</u> I-ITH	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 12W
				<u>EPOCH YEAR</u> 1985
				<u>CANCEL/SUSPEND</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>
CFB VOR/DME	IAF	OCCIE INT					353.00	9.95	3400
OCCIE INT	IF	VRNAH/ITH 6.19 DME					324.52 (I-ITH)	9.52	3000

MISSED APPROACH

MAP:

ILS: DA
LOC: ITH 0.76 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 180 AND CFB VOR/DME R-310 TO MESTE/CFB VOR/DME 17.69 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT OCCIE INT					
3. FAC: 324.52	FAF: VRNAH/ITH 6.19 DME		DIST FAF TO MAP:	DIST FAF TO THLD:	5.44
4. MIN ALT: OCCIE INT 3400, VRNAH/ITH 6.19 DME 3000					
5. DIST TO THLD FROM PFAF: 5.44	MM:	IM:	150 HAT:	GS ANT: 1076	
6. MIN GS INCPT: 3000	GS ALT AT PFAF: VRNAH/ITH 6.19 DME 3000		OM:	MM:	IM:
7. GS ANGLE: 3.20	34:1:	20:1:	TCH: 53.8		
8. MSA FROM: CFB VOR/DME 3700 (26NM)					



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 15 AND 33.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CFB VOR/DME AIRWAY RADIALS 310 CW 015 AND V374 NORTHWEST BOUND.
CHART NOTE: DME FROM ITH DME. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-ITH AND ITH DME.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 130.35 INBOUND.
FAS OBST: 1880 AAO 422653N/0762253W.
CHART VDP AT 3.64 DME.
DISTANCE VDP TO THLD 2.89 NM.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN TOWER CLOSED.; LOC: CAT A, B 1100-2, CAT C 1100-3, CAT D 1400-3, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN 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-ILS 32	1349	2400	250	1349	2400	250	1349	2400	250	1349	2400	250			
S-LOC 32	2140	4000	1041	2140	5500	1041	2140	2 1/2	1041	2140	2 1/2	1041			
CIRCLING	2140	1 1/4	1041	2140	1 1/2	1041	2140	3	1041	2440	3	1341			

CHANGES - REASONS

1. REMOVED "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 32" - CANCELS FDC NOTAM 4/9030.
2. CHANGED "CHART NOTE: DME FROM ITH DME. SIMULTANEOUS RECEPTION OF I-ITH LOC AND ITH DME REQUIRED" TO "CHART NOTE: DME FROM ITH DME. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-ITH AND ITH DME" - IAW 8260.19J, 8-6-10(K).
3. ADDITIONAL FLIGHT DATA: REMOVED "1930 AAO 422606N/0762118W" - IAW 8260.19J, 8-6-11E(2).



COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ITH ATCT, ELM APP CON, ZNY, AMGR.

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

Digitally signed by

CASIMIR L TABAKA

OFFICE

DATE

DEVELOPED BY

CASIMIR L. TABAKA (ROBERT A. SWINSON)

Digitally signed by

CASIMIR L TABAKA

Oct 21, 2024

Oct 21, 2024

OFFICE

AJV-A432

DATE

05/01/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Oct 21, 2024

OFFICE

AJV-A432

DATE

01/16/2025

TITLE

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>
ITH	ILS OR LOC RWY 32	8A	ITHACA	NY	1099	I-ITH

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM CFB VOR/DME **TO** OCCIE INT

RNP **DISTANCE** 9.95 **PAT** **MAP** **HAT** **HMAS**

<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>
AAO	421642.00N/0761621.00W	2005	164	98	4E	1000				AT395	3400
TERRAIN	421642.00N/0761621.00W	1804 (1800)								AS1500	3300

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM OCCIE INT **TO** VRNAH/ITH 6.19 DME

RNP **DISTANCE** 9.52 **PAT** **MAP** **HAT** **HMAS**

<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>
AAO	422421.00N/0761630.00W	2212	164	98	4E	500				AC98	2900
TERRAIN	422421.00N/0761630.00W	2011 (2000)								AS1000	3000

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
35
CHECKED

FINAL: ILS

FROM

VRNAH/ITH 6.19 DME

TO

RW32

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>			
		5.44		DA			250				
<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				1349

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

VRNAH/ITH 6.19 DME

TO

ITH 0.76 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.44		ITH 0.76 DME				1041				
<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>
AAO	422652.86N/0762253.26W	1880	50	20	2C	250					2140

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
MESTE/CFB VOR/DME 17.69 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
								1156			
<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				4000
AAO	422309.00N/0764009.00W	2343	164	98	4E	1000					3400
TERRAIN	422309.00N/0764009.00W	2142 (2100)								AS1500	3600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM
ITH 0.76 DME

TO
MESTE/CFB VOR/DME 17.69 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
								1890			
<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				4000
AAO	422309.00N/0764009.00W	2343	164	98	4E	1000					3400
TERRAIN	422309.00N/0764009.00W	2142 (2100)								AS1500	3600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
ITH

PROCEDURE NAME
ILS OR LOC RWY 32

AMDT NO.
8A

CITY
ITHACA

STATE
NY

AIRPORT ELEVATION
1099

FACILITY
I-ITH

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											
TREE (36-103377)	423026.50N/0762724.51W	1.30	1041	1240	20	10	1B	300		SI	2140
CATEGORY B											
TREE (36-103230)	423113.31N/0762643.18W	1.85	1041	1297	20	10	1B	300		SI	2140
CATEGORY C											
TOWER (36-006068)	422758.00N/0762351.00W	2.90	1041	1620	250	50	4D	300		SI/AC50	2140
CATEGORY D											
TOWER (36-000513)	422754.20N/0762222.30W	3.82	1341	2136	250	3	4A	300			2440

CIRCLING REMARKS:

MSA

CENTER
CFB VOR/DME

RADIUS
26

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (36-159657)	420340.27N/0755644.21W	134	10.3	2657	250	50	4D	1000			3700

MSA REMARKS:

MSA EXPANDED 26 NM TO INCLUDE ARPT.

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ELM APP CON, ITH TOWER, ZNY ARTCC

<u>WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> ITH	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> ITH	<u>DISTANCE</u> 0.13	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> ELM	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> ELM	<u>DISTANCE</u> 27.52	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 85

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
ITH 1099, ELM 946
RA = 84.8.

<u>PRIMARY NAVAID</u> I-ITH	<u>MONITOR POINT</u> ITH ATCT	<u>HRS OPERATION</u> TWR OPEN TWR CLOSED	<u>CAT</u> 1 3
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW15		
RW33		
RW14 - HIRL (PCL), PAPI-4L	PIR-G	ROLL OUT
RW32 - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	APPROACH

<u>GLIDESLOPE ANGLE</u> 3.20	<u>ELEV RWY THRESHOLD</u> 1099.0	<u>TCH</u> 53.8	<u>ELEV GS ANTENNA</u> 1092.0	<u>DISTANCE FROM RWY</u> 1076	<u>VGSI ANGLE</u> 3.20	<u>TCH</u> 53.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

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.

VEGETATION USED: 100 FT PER FPT.

ILS 250 HAT BASED ON 3.2 GPA.

CONTINGENCY PURPOSE NOTES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ELM ALTIMETER SETTING: INCREASE S-ILS 32 DA TO 1434 FEET AND ALL VISIBILITIES TO RVR 2600; INCREASE ALL MDAS 100 FEET AND S-LOC 32 VISIBILITY CAT C/D 1/2 SM.
VDP NA WHEN USING ELM ALTIMETER SETTING.
FOR INOPERATIVE ALS WHEN USING ELM ALTIMETER SETTING INCREASE S-ILS 32 ALL CATS VISIBILITY TO RVR 5000.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1930 AAO 422606.00N/0762118.00W.

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	4.85
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.27
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	312.52
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1800
DISTANCE FROM	THLD	TO 1500FT POINT	7.29
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	1.79
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	312.52
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	2000

THRESHOLD COORDINATES (IF STR-IN)	422905.63N/0762657.95W
ARP COORDINATES	422928.90N/0762731.40W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 14 DISTANCE 0.58 NM
FAF COORDINATES	422524.96N/0762133.30W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (ROBERT A. SWINSON)	AJV-A432	05/01/2024	AERONAUTICAL INFORMATION SPECIALIST

