

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.

<u>AIRPORT</u> LT WARREN EATON	<u>AIRPORT ID</u> KOIC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> NORWICH	<u>STATE</u> NY	
<u>AIRPORT ELEVATION</u> 1024	<u>TDZE</u> 1024	<u>SUPERSEDED</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 10/15/2015	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 1965
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 105/30 CW 245/30	NOPT	105/4 CW 245/4		5000
2. 105/4 CW 245/4		HESOD	IF/IAF	4300
3. 245/30 CW 355/30		WEGIR	IAF	5000
4. 355/30 CW 105/30		YIBUK	IAF	5000

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>
WEGIR	IAF	HESOD	NOPT	TF	FB	1.00	245.39	8.90	4300
YIBUK	IAF	HESOD	NOPT	TF	FB	1.00	105.14	8.90	4300
HESOD	IF/IAF	FAPGO		TF	FB	1.00	175.27	7.50	3000
FAPGO	FAF	ETROC/2.80 NM TO HOKVA		TF	FB	0.30	175.31	2.80	
ETROC/2.80 NM TO HOKVA		HOKVA	MAP	TF	FO	0.30	175.31	2.80	
HOKVA	MAP	2100 MSL		CA			175.31		2100
2100 MSL		GINNS		DF	FO	1.00			4100



MISSED APPROACH

MAP:

LP: HOKVA
LNAV: HOKVA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2100 THEN CLIMBING RIGHT TURN TO 4100 DIRECT GINNS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)				
2.	HOLD N HESOD, RT, 175.27 INBOUND, 4300 FT. IN LIEU OF PT (IAF), MAX 6000.							
3. FAC:	175.31	FAF: FAPGO	DIST FAF TO MAP: 5.60	DIST FAF TO THLD: 6.07				
4. MIN ALT:	HESOD 4300, FAPGO 3000, ETROC/2.80 NM TO HOKVA 2100							
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:				
6. MIN GP INCPT:	GP ALT AT FAF :			OM:	MM:	IM:		
7. GP ANGLE:	34:1:	IS NOT CLEAR	20:1:	IS NOT CLEAR	TCH:			
8. MSA FROM:								

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: STRAIGHT-IN RWY 19 NA AT NIGHT, CIRCLING RWY 19 NA AT NIGHT.
CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: FINAL APPROACH COURSE OFFSET 18.28 DEGREES.
CHART CIRCLING ICON.
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
FICTITIOUS THRESHOLD POINT (CFDZD) DO NOT CHART.
WAAS CHANNEL #49136
REFERENCE PATH ID: W19A
CHART FAS OBST: 1439 TREE 423657N/0753242W.
FAS OBST: 1779 AAO 423737N/0753255W.
1903 AAO 424021N/0753248W.
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.
HOLD S, RT, 013.57 INBOUND
FTP HAE: 280.2 M



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

ALTERNATE: NA ☒

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
LP MDA	1700	1	676	1700	1	676	1700	1 7/8	676	1700	1 7/8	676			
LNAV MDA	2040	1 1/4	1016	2040	1 1/2	1016	2040	3	1016	2040	3	1016			
CIRCLING	2060	1 1/4	1036	2160	1 1/2	1136	2240	3	1216	2520	3	1496			

CHANGES - REASONS

1. TERMINAL ROUTES INTERMEDIATE SEGMENT HESOD TO FAPGO RNP VALUES UPDATED FROM 0.5 TO 1.0 - RNP VALUE CORRECTED FOR INTERMEDIATE SEGMENT PER UPDATED CRITERIA.
2. PROFILE LINE 7, NOTE ADDED: 20:1 IS NOT CLEAR - STRAIGHT IN 20:1 PENETRATIONS.
3. CIRCLING MINIMA, CAT D CHANGED FROM 2480 MDA/1456 HAA TO 2520 MDA/1496 HAA - NEW CONTROLLING OBSTACLE.
4. ADDITIONAL FLIGHT DATA, NOTE ADDED: FICTITIOUS THRESHOLD POINT (CFDZD) DO NOT CHART - OFFSET FINAL, CNF ESTABLISHED FOR THE FTP COORDINATES.
5. CHANGED NOTE FROM 'HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED' TO 'RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED' - IAW 8260.19H, PARA 8-6-11K(3).
6. NOTE DELETED: DME/DME RNP 0.3 NA - NOTE REPLACED WITH NEW PBN EQUIPMENT REQUIREMENT NOTE.
7. PBN REQUIREMENTS NOTE ADDED: RNP APCH - PER MEMO 257.
8. NOTE DELETED: PROCEDURE NA AT NIGHT - RW01 20:1 CIRCLING CLEAR OF OBSTACLES.
9. NOTE CHARTED: STRAIGHT-IN RWY 19 NA AT NIGHT, CIRCLING RWY 19 NA AT NIGHT - UNLIT 20:1 STRAIGHT-IN OBSTACLES, IAW 19H 8-6-11O(2)(H).
10. INCORPORATED CHANGES FROM T-NOTAM 8/3981 WHICH DELETES DESCENT ANGLE 3.00/TCH 38 AND ADDS PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. T-NOTAM ISSUED TO REMOVE VDA INFO AND ADD NOTE: VISUAL SEGMENT - OBSTACLES - PER FLIGHT CHECK, TOM CONLIN, TREES - 1/4 MILE TO THRESHOLD RWY 19. PILOT NUMBER 405-5124348, BASED IN OKC.
11. CRC REMAINDER CHANGED FROM 30623BA2 TO 3741A2A8 - GPA AND TCH REMOVED.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZBW, AMGR.

FLIGHT CHECKED BY

STEPHEN BAUER

DEVELOPED BY

ANDREA CHANEY

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

DAVID TEFFETELLER

Apr 12, 2019

OFFICE

FICO

DATE

4/9/19

Digitally signed by

DAVID TEFFETELLER

Apr 12, 2019

OFFICE

AJV-5433

DATE

10/03/2018

Digitally signed by

DAVID TEFFETELLER

Apr 12, 2019

OFFICE

AJV-5430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOIC
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	423420.7200N
LTP/FTP LONGITUDE	0753112.9400W
LTP/FTP ELLIPSOIDAL HEIGHT	+02802
FPAP LATITUDE	423256.3385N
FPAP LONGITUDE	0753040.9350W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	3741A2A8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03120
FPAP ORTHOMETRIC HEIGHT	+03120

QUALITY
16
CHECKED