

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 ID</u> OXI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> KNOX	<u>STATE</u> IN
<u>AIRPORT ELEVATION</u> 685	<u>TDZE</u> 684	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 01/27/2022
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 1W
				<u>EPOCH YEAR</u> 1980
				<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>
HALIE	IAF	NUVIC	NOPT	TF	FB	1.00	090.63	22.38	3000
NOMES	IAF	NUVIC	NOPT	TF	FB	1.00	268.53	7.27	3000
NUVIC	IF/IAF	YAGPU		TF	FB	1.00	180.97	5.90	2300
YAGPU	FAF	WAVGO/2.50 NM TO RW18		TF	FB	0.30	180.97	2.45	
WAVGO/2.50 NM TO RW18		RW18	MAP	TF	FO	0.30	180.97	2.50	
RW18	MAP	1200 MSL		CA			180.97		1200
1200 MSL		SELOE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 3000 DIRECT SELOE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD N NUVIC, RT, 180.97 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 180.97	FAF: YAGPU		DIST FAF TO MAP: 4.95	DIST FAF TO THLD: 4.95	
4. MIN ALT: NUVIC 3000, YAGPU 2300, WAVGO/2.50 NM TO RW18 1520					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.66	GS ANT:
6. MIN GP INCPT: 2300	GP ALT AT PFAF: YAGPU 2300		OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 40.0		
8. MSA FROM: RW18 3000					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING SBN ALTIMETER SETTING.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART NOTE: CIRCLING NA TO RWYS 9 AND 27.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SBN ALTIMETER SETTING: INCREASE LPV DA TO 1010 FEET; INCREASE LNAV/VNAV DA TO 1136 FEET AND ALL VISIBILITIES 3/8 SM; INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C AND D 3/8 SM, AND CIRCLING VISIBILITY CAT C AND D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 287.77 INBOUND.
CHART FAS OBST: 794 TREE (18-063047) 412229N/0863929W.
CHART VDP AT 1.10 NM TO RW18.
WAAS CHANNEL # 87108
REFERENCE PATH ID: W18A
LTP HAE: 174.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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
LPV DA	934	1	250	934	1	250	934	1	250	934	1	250			
LNAV/VNAV DA	1060	1	376	1060	1	376	1060	1	376	1060	1	376			
LNAV MDA	1060	1	376	1060	1	376	1060	1	376	1060	1	376			
CIRCLING	1120	1	435	1140	1	455	1380	2	695	1380	2 1/4	695			



CHANGES - REASONS

1. TERMINAL ROUTES: COURSE FROM HALIE TO NUVIC CHANGED FROM “090.41” TO “090.63” – NUVIC MOVED 540.34 FEET SOUTH TO HAVE A HEADING CHANGE LESS THAN 90 DEGREES.
2. TERMINAL ROUTES: COURSE/DISTANCE FROM NOMES TO NUVIC CHANGED FROM “269.23/7.26” TO “268.53/7.27” – NUVIC MOVED 540.34 FEET SOUTH.
3. TERMINAL ROUTES: UPDATED DISTANCE FROM NUVIC TO YAGPU CHANGED FROM “6.06” TO “5.90” – NUVIC MOVED 540.34 FEET SOUTH, YAGPU MOVED 402.83 FEET NORTH.
4. TERMINAL ROUTES: ADDED YAGPU TO WAVGO LEG – IAW 8260.19I, 8-6-4.
5. TERMINAL ROUTES: ADDED CA LEG – IAW 8260.19I, 8-6-4.
6. TERMINAL ROUTES: REMOVED HOTRA TO SELOE LEG FROM MISSED APPROACH PROCEDURE – NEW MISSED APPROACH INSTRUCTIONS.
7. MISSED APPROACH: INSTRUCTIONS CHANGED FROM “CLIMB TO 3000 DIRECT HOTRA AND LEFT TURN VIA 079.99 TRACK TO SELOE AND HOLD” TO “CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 3000 DIRECT SELOE AND HOLD” – PREVIOUS MISSED APPROACH INSTRUCTIONS HAD A HEADING CHANGE GREATER THAN 90 DEGREES, IAW 8260.58C, 1-2-5.A(3), PER FPT.
8. PROFILE LINE 2: ADDED “MAX 6000” – IAW 8260.19I, 8-6-7.B(2).
9. PROFILE LINE 3: DISTANCE FAF TO MAP AND FAF TO THLD CHANGED FROM “4.88” TO “4.95” – FAF MOVED 402.83 FEET NORTH.
10. PROFILE LINE 6: UPDATED GP ALT AT FAF FROM “YAGPU” TO “YAGPU 2300” – IAW 8260.19I, 8-6-7.F(1).
11. PROFILE LINE 7: 34:1 CHANGED FROM “IS NOT CLEAR” TO “IS CLEAR”, ADDED “20:1: IS CLEAR” – NEW SURVEY DATA.
12. PBN REQUIREMENTS NOTE: DELETED “CHART NOTE: DME/DME RNP -0.3 NA” FROM NOTES, ADDED “RNP APCH – GPS” – IAW 8260.19I, 8-6-8.B(2).
13. NOTES: UPDATED “CHART NOTE: BARO-VNAV AND VDP NA WHEN USING SOUTH BEND ALTIMETER SETTING” TO “CHART NOTE: BARO-VNAV AND VDP NA WHEN USING SBN ALTIMETER SETTING – IAW 8260.19J, 8-6-10.E(8).
14. NOTES: REMOVED “*” FROM PROFILE LINE 4 MINIMUM ALTITUDES, REMOVED “*LNAV ONLY” FROM NOTES – 8260.19I, 1-1-5.F(12).
15. NOTES: REMOVED “CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA” – 34:1 AND 20:1 SURFACES CLEAR, NEW SURVEY DATA.
16. NOTES: UPDATED “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C (4°F) OR ABOVE 47°C (116°F)” TO “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C – IAW 8260.19I,8-6-9.R.
17. NOTES: UPDATED “CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH BEND ALTIMETER SETTING: INCREASE LPV DA TO 1015 FEET AND VISIBILITY ALL CATS 1/4 SM; INCREASE LNAV/VNAV DA TO 1115 FEET AND VISIBILITY ALL CATS 1/4 SM; INCREASE ALL MDA 80 FEET AND VISIBILITY LNAV AND CIRCLING CAT C AND D 1/4 SM” TO “CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SBN ALTIMETER SETTING: INCREASE LPV DA TO 1010 FEET; INCREASE LNAV/VNAV DA TO 1136 FEET AND ALL VISIBILITIES 3/8 SM; INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C AND D 3/8 SM, AND CIRCLING VISIBILITY CAT C AND D 1/4 SM” – IAW 8260.19I, 8-6-11.N(1)(A)(3).
18. NOTES: DELETED “CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HALIE VIA V340 NORTHWEST BOUND, AND FOR ARRIVALS AT NOMES VIA V156 NORTHEAST BOUND” – V340 AND V156 REMOVED FROM NAS DUE TO OXI VOR/MON.
19. ADDITIONAL FLIGHT DATA: REMOVED LNAV/VNAV OBSTACLE “765 TREE (KOXIT015) 412019N/0863935W”, UPDATED CHART FAS OBSTACLE FROM “783 TREE (KOXIT023) 411958N/0863928W” TO “794 TREE (18-063047) 412229N/0863929W” – NEW SURVEY DATA, IAW 8260.19I, 8-6-10.C.
20. ADDITIONAL FLIGHT DATA: REMOVED “DISTANCE TO THLD FROM 250 HAT: 0.66 NM” FROM ADDITIONAL FLIGHT DATA, ADDED “250 HAT: 0.66” TO PROFILE LINE 5 – IAW 8260.19I, 8-6-7.E(3).
21. ADDITIONAL FLIGHT DATA: UPDATED “CHART VDP AT 1.04 NM TO RW18” TO “CHART VDP AT 1.10 NM TO RW18” – YAGPU MOVED 402.83 FEET NORTH.
22. MINIMUMS: UPDATED LPV DA FROM “935” TO “934” – TDZE CHANGED FROM “685” TO “684”.
23. MINIMUMS: UPDATED LNAV/VNAV DA/HAT FROM “1035/350” TO “1060/376”, AND VISIBILITY FROM “1 1/4” TO “1” – NEW CONTROLLING OBSTACLE.
24. MINIMUMS: UPDATED LNAV MDA FROM “1040” TO “1060”, REDUCED CAT D VIS FROM “1 1/4” TO “1” – NEW CONTROLLING OBSTACLE.
25. FAS DATA BLOCK: CRC REMAINDER CHANGED FROM “9357A665” TO “5B90298C” – LTP COORDINATES CHANGED FROM “412011.2010N/0863944.0960W” TO “412011.2005N/0863944.0945”, FPAP COORDINATES CHANGED FROM “411842.0500N/0863944.0400W” TO “411842.0530N/0863944.0280W”, LENGTH OFFSET CHANGED FROM “1408” TO “1422”.

COORDINATED WITH:

A4A

ALPA

☒

AOPA

☒

APA

HAI

NBAA

☒

OTHER: ZAU, CHI FPO, SBN ATCT, AMGR.

FLIGHT CHECKED BY

JAMES ONIEAL

Digitally signed by

ERIC N SUSKI

Jun 06, 2024

OFFICE

FPO

DATE

06/04/2024

DEVELOPED BY

ERIC N SUSKI (JOSHUA C. JUONI)

Digitally signed by

ERIC N SUSKI

Jun 06, 2024

OFFICE

AJV-A431

DATE

03/20/2024

APPROVED BY

ERIC N SUSKI

Digitally signed by

ERIC N SUSKI

Jun 06, 2024

OFFICE

AJV-A431

DATE

09/05/2024

TITLE

MANAGER



AIRPORT ID
OXI

PROCEDURE NAME
RNAV (GPS) RWY 18

ORIGINAL/AMENDMENT
1

CITY
KNOX

STATE
IN

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOXI
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	412011.2005N
LTP/FTP LONGITUDE	0863944.0945W
LTP/FTP ELLIPSOIDAL HEIGHT	+01744
FPAP LATITUDE	411842.0530N
FPAP LONGITUDE	0863944.0280W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
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)	50.0

CRC REMAINDER	5B90298C
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02083
FPAP ORTHOMETRIC HEIGHT	+02083



**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>
OXI	RNAV (GPS) RWY 18	1	KNOX	IN	685	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM **TO**
HALIE NUVIC

RNP DISTANCE PAT MAP HAT HMAS
1.00 22.38

<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 (18-000847)	413117.00N/0870126.00W	1320	50	20	2C	1000				AT680	3000
TERRAIN	413230.00N/0870218.00W	869 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM **TO**
NOMES NUVIC

RNP DISTANCE PAT MAP HAT HMAS
1.00 7.27

<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 (18-000509)	413128.00N/0864140.00W	1060	500	50	5D	1000				AT940	3000
TERRAIN	413236.00N/0864124.00W	757 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM

NUVIC (IF/IAF)

TO

YAGPU

RNP

1.00

DISTANCE

5.90

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-000509)	413128.00N/0864140.00W	1060	500	50	5D	500					1600
TERRAIN	413121.00N/0864154.00W	764 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

YAGPU

TO

RW18

RNP

0.30

DISTANCE

4.95

PAT

MAP

DA

HAT

250

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC			MA15 XP35	934

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP35 DUE TO CURRENT AJV GUIDANCE LIMITING MINIMUMS REDUCTION TO 50FT OR GREATER.



FINAL: LNAV/VNAV

FROM

YAGPU

TO

RW18

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	4.95		DA		376						
<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	412112.00N/0863906.00W	780	215	8	4B		23.40:1			AC8	1060

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

YAGPU

TO

WAVGO/2.50 NM TO RW18

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.45										
<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 (18-001965)	412413.00N/0864027.00W	939	50	20	2C	250				DG251 RA80	1520

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

WAVGO/2.50 NM TO RW18

TO

RW18

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.50		RW18		376						
<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 (18-063047)	412229.03N/0863928.57W	794	20	3	1A	250					1060

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

NUVIC

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<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 (18-001945)	413926.00N/0864540.00W	1161	500	50	5D	1000				AT839	3000
TERRAIN	414124.00N/0864033.00W	915 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM

DA

TO

SELOE

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 747			
<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 (18-022862)	412019.21N/0863934.52W	765	50	20	2C		ASC				3000
TOWER (18-001311)	411516.00N/0862459.00W	1094	500	50	5D	1000					2100
TERRAIN	411812.00N/0862518.00W	820 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

SELOE

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 899				
<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				3000
TOWER (18-001311)	411516.00N/0862459.00W	1094	500	50	5D	1000					2100
TERRAIN	411812.00N/0862518.00W	820 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW18

TO

SELOE

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 960				
<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				3000
TOWER (18-001311)	411516.00N/0862459.00W	1094	500	50	5D	1000					2100
TERRAIN	411812.00N/0862518.00W	820 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

OXI

PROCEDURE NAME

RNAV (GPS) RWY 18

AMDT NO.

1

CITY

KNOX

STATE

IN

AIRPORT ELEVATION

685

FACILITY

RNAV

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 (18-063020)	411823.52N/0864015.46W	1.30	435	811	20	3	1A	300			1120
CATEGORY B											
GENERAL_UTILITY (18-063225)	412013.77N/0864146.69W	1.83	455	824	20	10	1B	300			1140
CATEGORY C											
TOWER (18-000349)	411917.90N/0863621.40W	2.88	695	1017	250	50	4D	300		AC50	1380
CATEGORY D											
TOWER (18-000349)	411917.90N/0863621.40W	3.76	695	1017	250	50	4D	300		AC50	1380

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW18	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (18-002311)	413655.00N/0861107.00W	053	27.2	1949	500	50	5D	1000			3000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

SBN APP CON, ZAU ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3	OXI	24	OXI	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	SBN	24	SBN	27.55	Y	76

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KOXI 685, KSBN 773
RA = 75.7.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW27			
RW09			
RW18 - REIL (PCL), MIRL, PAPI-2L		NPI-G	
RW36 - MIRL, REIL (PCL), PAPI-2L		NPI-G	

<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>
3.00	683.3	40.0			3.00	26.5

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>
-16C	+54C	-16C	+13.64C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 964 HIGH TEMP 1271.

"VISUAL PORTION OF FINAL" PENETRATIONS

PENETRATIONS REMARKS:

QUALITY
12
CHECKED

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 HEIGHT: 100 FT PER FPT.
CIRCLING NA TO RWY 9 AND 27 DUE TO TURF RUNWAY.
VGS PENETRATION LIGHTING (18-063177) IS AN ACCEPTABLE OBSTACLE TYPE (REIL, RWY, TAXI LIGHTS).
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	3.07
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	179.97
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	700
DISTANCE FROM	THLD	TO 1500FT POINT	4.75
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	179.97
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	700

THRESHOLD COORDINATES (IF STR-IN)	412011.20N/0863944.09W
ARP COORDINATES	411946.92N/0863952.59W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 36 DISTANCE 0.43 NM
FAF COORDINATES	412508.42N/0863944.32W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ERIC N SUSKI (JOSHUA C. JUONI)	AJV-A431	03/20/2024	AERONAUTICAL INFORMATION SPECIALIST

