

UNITED STATES AIR FORCE FLIGHT STANDARDS SERVICE ILS STANDARD INSTRUMENT APPROACH PROCEDURE

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>
TOL	HI - ILS Y OR LOC Y RWY 7	8C	TOLEDO	OH
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>EPOCH YEAR</u>
684	683	HI - ILS Y OR LOC Y RWY 7	09/10/2020	1990
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>
I-TOL			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>
CRL VOR/DME		MYANN/TOL 25.00 DME					192.95	52.17	18000
FWA VORTAC		MYANN/TOL 25.00 DME					085.14	70.64	18000
ROD VORTAC		MYANN/TOL 25.00 DME					022.91	56.95	18000
MYANN/TOL 25.00 DME	IAF	POUDR/TOL 15.00 DME					350.00 (TOL R-170)	10.00	10000
POUDR/TOL R-170/15.00 DME CW		GUYEB/TOL 15.00 DME					15.00 DME ARC (TOL TACAN LR-244)		4000
GUYEB/TOL 15.00 DME	IF	TOPHR LOM/TOL 5.99 DME					072.16 (I-TOL)	9.01	2200

MISSED APPROACH

MAP:

ILS: DA
LOC: TOL 1.59 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 3000 ON TOL TACAN R-170 TO POUDR/15.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT MYANN/TOL 25.00 DME
- FAC: 072.16 FAF: TOPHR LOM/TOL 5.99 DME DIST FAF TO MAP: DIST FAF TO THLD: 4.40
- MIN ALT: MYANN/TOL 25.00 DME 18000, POUDR/TOL 15.00 DME 10000, GUYEB/TOL 15.00 DME 4000, TOPHR LOM/TOL 5.99 DME 2200
- DIST TO THLD FROM OM: 4.40 MM: IM: 150 HAT: GS ANT: 1125
- MIN GS INCPT: 2200 GS ALT AT PFAF: GP INTCP OM: 2162 MM: IM:
- GS ANGLE: 3.00 34:1: 20:1: TCH: 59.2
- MSA FROM: TOL TACAN 3100, ESA W/IN 100 NM 3100



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 077 CW 134.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ROD VORTAC ON V47 SOUTHWEST BOUND.
CHART NOTE: *FOR INOPERATIVE ALS, INCREASE S-ILS 7 CAT E RVR TO 4000, VISIBILITY TO 3/4 SM AND
CHART NOTE: **FOR INOPERATIVE ALS, INCREASE S-LOC 7 CAT E RVR TO 6000, VISIBILITY 1 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART ARRIVAL HOLDING AT MYANN: HOLD S, LT, 350.00 INBOUND, 15,000, MAX FL180.
CHART: ASR.

HOLD S, LT, 350.00 INBOUND.
CHART FAS OBST: 825 TRANSMISSION_LINE (39-027348) 413336N/0835441W.
CHART VDP AT 2.65 DME.
DISTANCE VDP TO THLD 1.06 NM.
CHART TOL R-170 AT POWDR.
CHART CIRCLING ICON.

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
S-ILS 07*		NA			NA		886	1800	203	886	1800	203	886	1800	203
S-LOC 07**		NA			NA		1140	4500	457	1140	4500	457	1140	4500	457
CIRCLING		NA			NA		1300	1 3/4	616	1400	2 1/4	716	1400	2 1/2	716

CHANGES - REASONS

- AIRPORT ELEVATION CHANGED FROM "683" TO "684" – NEW AIRNAV DATA AND IAW 8260.19I PARA 8-6-2.F.
- TERMINAL ROUTES: CHANGED "POWDR/TOL 15.00 DME CW TO "GUYEB/TOL 15.00 DME" TO "POWDR/TOL R-170/15.00 DME CW TO GUYEB/TOL 15.00 DME" – UPDATED TO MATCH PROCEDURE CHARTING AND FIX MAKE-UP.
- TERMINAL ROUTES: POWDR/TOL R-170/15.00 DME CW TO GUYEB/TOL 15.00 DME: CHANGED COURSE FROM "15.00 DME ARC (TOL LR-244)" TO "15.00 DME ARC" AND ADDED DISTANCE "TOL TACAN LR-244)" – IAW 8260.19I PARA 8-6-4.B.(4) AND (5).
- PROFILE LINE 2: CHANGED FROM "PROFILE STARTS AT MYANN" TO "PROFILE STARTS AT MYANN/TOL 25.00 DME"- IAW 8260.19I PARA 8-6-7.B.(3).
- PROFILE LINE 4: CHANGED MIN ALT FOR "MYANN/TOL 25.00 DME 15000" TO "MYANN/TOL 25.00 DME 18000" – ALL ENTRIES TO MYANN ARE MADE AT FL180 AND IAW 8260.19I PARA 8-6-7.D.
- PROFILE LINE 8: CHANGED ESA FROM "ESA W/IN 100 NM 4000" TO "ESA W/IN 100 NM 3100" – NEW OBSTACLE EVALUATION AND PER ATC REQUEST TO MATCH OTHER PUBLISHED PROCEDURES.
- NOTES: CHANGED "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 7 CAT E VISIBILITY TO RVR 4000 AND S-LOC 7 CAT E VISIBILITY TO RVR 6000" TO "CHART NOTE: *FOR INOPERATIVE ALS, INCREASE S-ILS 7 CAT E RVR TO 4000, VISIBILITY TO ¾ SM AND CHART NOTE: **FOR INOPERATIVE ALS, INCREASE S-LOC 7 CAT E RVR TO 6000, VISIBILITY TO 1/14 SM" – IAW 8260.19I PARA 8-6-11.O.(3).(D).
- ADDITIONAL FLIGHT DATA: CHANGED "CHART ARRIVAL HOLDING AT MYANN: HOLD S, LT, 350.00 INBOUND, 15,000" TO "CHART ARRIVAL HOLDING AT MYANN: HOLD S, LT, 350.00 INBOUND, 15,000BFL180" – PER ATC REQUEST AND IAW 8260.19J PARA 8-6-11.N.
- ADDITIONAL FLIGHT DATA: CHANGED "CHART FAS OBST: 785 TREE 413438N/0835048W" TO "CHART FAS OBST: 825 TRANSMISSION_LINE(39-027348) 413336N/0835441W" – IAW 8260.19I PARA 8-6-10.C.
- ALTERNATE MINIMUM: DELETED ALTERNATE MINIMUMS – TOPHR LOM IS CAT 3 AND UNMONITORED AND PER ATC REQUEST.
- MINIMUMS: S-ILS 07 CATS C/D/E; DA/HAT CHANGED FROM "883/200" TO "886/203" – NEW CONTROLLING OBSTACLE IDENTIFIED AND IAW 8260.19I PARA 8-6-11.C.
- MINIMUMS: S-LOC 07 CATS C/D/E; MDA/HAT CHANGED FROM "1080/397" TO "1140/457" AND ALL CATS VISIBILITY CHANGED FROM "3500" TO "4500" – IAW 8260.3 PARA 8-6-11.C.
- MINIMUMS: CIRCLING HAA; CAT C CHANGED FROM "617" TO 616; CAT D/E CHANGED FROM "717" TO "716" – NEW AIRFIELD ELEVATION CHANGED THIS BY 1 FT AND IAW 8260.19I PARA 8-6-11.C.

COORDINATED WITH:

A4A

ALPA

AOPA

APA

HAI

NBAA

OTHER: ZOB, TOL APP CON, AMGR

FLIGHT CHECKED BY
PAUL R ARMSTRONG

Digitally signed by
ERIC N SUSKI
Jul 16, 2024

OFFICE
FPO
DATE
07/09/2024

DEVELOPED BY
WESTLEY OWENS

Digitally signed by
ERIC N SUSKI
Jul 16, 2024

OFFICE
AJV-A431
DATE
03/15/2024

RECOMMENDED BY
ERIC N SUSKI

Digitally signed by
ERIC N SUSKI
Jul 16, 2024

OFFICE
AJV-A431
DATE
09/05/2024
TITLE
MANAGER

APPROVED BY

OFFICE
DATE
TITLE



**UNITED STATES AIR FORCE
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>
TOL	HI - ILS Y OR LOC Y RWY 7	8C	TOLEDO	OH	684	I-TOL

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM CRL VOR/DME **TO** MYANN/TOL 25.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
	52.17										
<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 (39-001418)	413922.00N/0832645.00W	1848	500	50	5D	1000				AT15152	18000
TERRAIN	411057.00N/0833412.00W	749 (700)								AS1500	2200

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM FWA VORTAC **TO** MYANN/TOL 25.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
	70.64										
<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 (39-000616)	410812.00N/0835424.40W	1817	500	50	5D	1000				AT15183	18000
TERRAIN	405624.00N/0850003.00W	850 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:



FEEDER

FROM

ROD VORTAC

TO

MYANN/TOL 25.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
	56.95										
<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 (39-000804)	401821.00N/0840654.00W	1529	500	50	5D	1000				AT15471	18000
TERRAIN	403524.00N/0835018.00W	1109 (1100)								AS1500	2600

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

MYANN/TOL 25.00 DME

TO

POUDR/TOL 15.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
	10.00										
<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 (39-000129)	411339.00N/0833831.00W	1017	500	50	5D	1000				AT7983	10000
TERRAIN	411136.00N/0834042.00W	735 (700)	500	50	5D	1000				AS1500	3200

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: ARC

FROM

POUDR/TOL R-170/15.00 DME CW

TO

GUYEB/TOL 15.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<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 (39-001097)	413215.00N/0840754.00W	1073	500	50	5D	1000				AT1927	4000
TERRAIN	413214.00N/0840910.00W	778 (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

GUYEB/TOL 15.00 DME

TO

TOPHR LOM/TOL 5.99 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	9.01										
<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 (39-001097)	413215.00N/0840754.00W	1073	500	50	5D	500				AT627	2200
TERRAIN	413254.00N/0840806.00W	755 (800)								AS1000	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: ILS

FROM

GP INTCP

TO

RW07

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	4.40		DA				203				
<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>
CAT C: TREE (39-104228)	413502.83N/0834948.21W	779	20	3	1A					MA107	886

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

TOPHR LOM/TOL 5.99 DME

TO

TOL 1.59 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
	4.40		TOL 1.59 DME			457					
<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>
TRANSMISSION_LINE (39-027348)	413335.64N/0835440.69W	825	250	50	4D	250				AC50 AT15	1140

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

POUDR/TOL 15.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 714			
<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>
13. TOWER (39-000655)	413157.00N/0833536.00W	1148	500	50	5D	1000					2200
TREE (39-104228)	413502.83N/0834948.21W	779	20	3	1A					AT2221	3000
TERRAIN	412057.00N/0833942.00W	719 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM

TOL 1.59 DME

TO

POUDR/TOL 15.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 890			
<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>
13. TOWER (39-000655)	413157.00N/0833536.00W	1148	500	50	5D	1000					2200
TREE (39-104228)	413502.83N/0834948.21W	779	20	3	1A					AT2221	3000
TERRAIN	412057.00N/0833942.00W	719 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

TOL

PROCEDURE NAME

HI - ILS Y OR LOC Y RWY 7

AMDT NO.

8C

CITY

TOLEDO

STATE

OH

AIRPORT ELEVATION

684

FACILITY

I-TOL

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 C											
15. TOWER (39-000157)	413602.00N/0835302.00W	1.70	616	998	250	50	4D	300			1300
CATEGORY D											
16. TOWER (39-003822)	413603.54N/0835426.34W	2.30	716	1049	500	50	5D	300		AC50	1400
CATEGORY E											
16. TOWER (39-003822)	413603.54N/0835426.34W	2.88	716	1049	500	50	5D	300		AC50	1400

CIRCLING REMARKS:

ESA

CENTER

TOL TACAN

RADIUS

100

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (39-000134)	412148.00N/0814258.00W	103	94.9	2049	250	50	4D	1000			3100

ESA REMARKS:

MSA

CENTER

TOL TACAN

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (39-000350)	414003.00N/0832122.00W	082	20.4	2016	500	50	5D	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

BLOCK 4: SECONDARY NAVAID: TOL TACAN, MONITOR POINT: MOCC, HRS REMOTE OPTN: 24.

FOR CONTINGENCY PURPOSES:
NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DUH ALTIMETER SETTING AND INCREASE DA TO 911; INCREASE ALL MDA 40 FEET AND VISIBILITY ALL CATS 1/8 SM.
NOTE: FOR INOPERATIVE ALS WHEN USING DUH ALTIMETER SETTING, INCREASE S-ILS 7 CAT E VISIBILITY TO RVR 4000 AND S-LOC 7 CAT E VISIBILITY TO 1 1/4 SM.
NOTE: VDP NA WHEN USING DUH ALTIMETER SETTING.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

TOL TOWER, TOL APP CON

<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>
ASOS	TOL	24	TOL	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>
AWOS-3	DUH	24	DUH	11.25	Y	28

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KTOL 683, KDUH 669
RA = 28.0.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
I-TOL	KTOL ATCT	SEE A/FD	1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW16 - REIL, MIRL, PAPI-4L	NPI-G	
RW34 - REIL, MIRL, PAPI-4L	NPI-G	
RW07 - ALSF-2, TDZ, HIRL, C/LINE	PIR-G	APPROACH, ROLL OUT
RW25 - MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, ROLL OUT

<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	682.5	59.2	677.6	1125		

FINAL APPROACH COURSE AIMING

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



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.

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	3.01
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.87
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	067.16
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	700
DISTANCE FROM	THLD	TO 1500FT POINT	9.81
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.58
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	067.16
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD COORDINATES (IF STR-IN)	413452.99N/0834950.52W
ARP COORDINATES	413512.54N/0834828.18W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 7 DISTANCE 1.08 NM
FAF COORDINATES	413310.29N/0835514.68W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
WESTLEY OWENS	AJV-A431	03/15/2024	

