

**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> CVG	<u>PROCEDURE NAME</u> ILS OR LOC RWY 18C ILS RWY 18C (SA CAT I) ILS RWY 18C (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 24	<u>CITY</u> COVINGTON	<u>STATE</u> KY		
<u>AIRPORT ELEVATION</u> 896	<u>TDZE</u> 875	<u>SUPERSEDED</u> ILS OR LOC RWY 18C ILS RWY 18C (SA CAT I) ILS RWY 18C (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 23	<u>DATED</u> 07/19/2018	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-SIC	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
CRSLY	IAF	WIMEV		TF	FB	1.00	247.44	7.93	4700
WIMEV		KLEPR		TF	FB	1.00	247.35	5.00	4000
BYRAN	IAF	SERBE		TF	FB	1.00	121.78	8.02	4700
SERBE		KLEPR		TF	FB	1.00	121.88	5.00	4000
NXHAL	IAF	DOSKE		TF	FB	1.00	006.23	10.86	4500
DOSKE		KLEPR		TF	FB	1.00	276.26	6.26	4000
LEWIN	IAF	USUVE		TF	FB	1.00	006.20	7.93	4500
USUVE		KLEPR		TF	FB	1.00	096.10	5.91	4000
JUPAL/I-SIC 24.54 DME/RADAR	IAF	LAMAH/I-SIC 21.34 DME/RADAR					186.18 (I-SIC)	3.20	7000
LAMAH/I-SIC 21.34 DME/RADAR		ANTRI/I-SIC 18.14 DME/RADAR					186.18 (I-SIC)	3.20	6000
ANTRI/I-SIC 18.14 DME/RADAR		DULEY/I-SIC 14.94 DME/RADAR					186.18 (I-SIC)	3.20	5000
DULEY/I-SIC 14.94 DME/RADAR		KLEPR/I-SIC 11.74 DME/RADAR					186.18 (I-SIC)	3.20	4000
KLEPR/11.74 DME/RADAR	IF	WUTVU/I-SIC 6.91 DME/RADAR					186.18 (I-SIC)	4.83	2500
WUTVU/I-SIC 6.91 DME/RADAR	PFAF	RW18C	MAP				186.18	4.93	
WUTVU/I-SIC 6.91 DME/RADAR	FAF	FIMAN/I-SIC 4.00 DME/RADAR					186.18	2.91	
FIMAN/I-SIC 4.00 DME/RADAR		4.93 NM AFTER WUTVU/I-SIC 6.91 DME/RADAR OR AT I-SIC 1.98 DME	MAP				186.18	2.02	
4.93 NM AFTER WUTVU/I-SIC 6.91 DME/RADAR OR AT I-SIC 1.98 DME	MAP	1300 MSL		CA			186.18		1300
1300 MSL		ZIRKE		DF	FO	1.00			3000



AIRPORT ID CVG	PROCEDURE NAME ILS OR LOC RWY 18C ILS RWY 18C (SA CAT I) ILS RWY 18C (SA CAT II)	ORIGINAL/AMENDMENT 24	CITY COVINGTON	STATE KY
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MISSED APPROACH

MAP:
ILS: DA
LOC: 4.93 NM AFTER WUTVU/I-SIC 6.91 DME/RADAR OR AT I-SIC 1.98 DME

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 1300, THEN CLIMB TO 3000 DIRECT ZIRKE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)				
2.	PROFILE STARTS AT KLEPR/11.74 DME/RADAR									
3.	FAC:	186.18	FAF:	WUTVU/I-SIC 6.91 DME/RADAR	DIST FAF TO MAP:	4.93	DIST FAF TO THLD:	4.93		
4.	MIN ALT:	KLEPR/I-SIC 11.74 DME/RADAR 4000, WUTVU/I-SIC 6.91 DME/RADAR 2500, FIMAN/I-SIC 4.00 DME/RADAR 1560								
5.	DIST TO THLD FROM OM:		MM:	IM:	100 HAT:	864.00	150 HAT:	1817.00	GS ANT:	1056
6.	MIN GS INCPT:	2500	GS ALT AT PFAF:	WUTVU/I-SIC 6.91 DME/RADAR 2500	OM:		MM:		IM:	
7.	GS ANGLE:	3.00	34:1:	20:1:	TCH:	55.1				
8.	MSA FROM:	ARP KCVG 3000								

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 18C: CAT A, B, C, D, RA 191, RVR 1600, HAT 150, DA 1025 MSL
SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 18C: CAT A, B, C, D, RA 100, RVR 1200, HAT 100, DA 975 MSL
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
SA CAT II CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
CHART SPEED ICON IN PLANVIEW AT NXHAL: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT LEWIN: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT JUPAL: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 8000 AT CRSLY.
CHART MANDATORY 8000 AT BYRAN.
HOLD NW, RT, 116.15 INBOUND.
CHART FAS OBST: 973 TREE (21-070571) 390427N/0843957W.
CHART VDP AT 2.97 DME.
DISTANCE VDP TO THLD 0.99 NM.
CHART MANDATORY 6000 AT NXHAL.
CHART MANDATORY 6000 AT LEWIN.
CHART MANDATORY 8000 AT JUPAL.
CHART CIRCLING ICON.



MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ ILS: STANDARD; LOC: STANDARD

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 18C	1075	1800	200	1075	1800	200	1075	1800	200	1075	1800	200			
S-LOC 18C	1260	2400	385	1260	2400	385	1260	3500	385	1260	3500	385			
CIRCLING	1460	1	564	1460	1	564	1560	1 3/4	664	1560	2	664			

CHANGES - REASONS

1. PROCEDURE NAME UPDATED FROM "ILS OR LOC RWY 18C ILS RWY 18C SA CAT I, ILS RWY 18C SA CAT II" TO "ILS OR LOC RWY 18C ILS RWY 18C (SA CAT I) ILS RWY 18C (CAT II)" – FORMS UPDATED.
2. TERMINAL ROUTES: ADDED INITIAL SEGMENT FROM BYRAN TO SERBE TO KLEPR – PER FPT REQUEST TO ALIGN WITH PBN PROCEDURE.
3. TERMINAL ROUTES: ADDED INITIAL SEGMENT FROM CRSLY TO WIMEV TO KLEPR – PER FPT REQUEST TO ALIGN WITH PBN PROCEDURE.
4. TERMINAL ROUTES: ADDED INITIAL SEGMENT FROM LEWIN TO USUVE TO KLEPR – PER FPT REQUEST TO ALIGN WITH PBN PROCEDURE.
5. TERMINAL ROUTES: ADDED INITIAL SEGMENT FROM NXHAL TO DOSKE TO KLEPR – PER FPT REQUEST TO ALIGN WITH PBN PROCEDURE.
6. TERMINAL ROUTES: REMOVED IAF SEGMENT FROM NILRE/I-SIC 24.18 DME/RADAR TO HIPEB/I-SIC 21.04 DME/RADAR TO FELUB/I-SIC 17.90 DME/RADAR TO JUBUR/I-SIC 14.76 DME/RADAR AND IF SEGMENT FROM JUBUR/I-SIC 14.76 DME/RADAR TO ZEVVE/I-SIC 11.62 DME/RADAR TO WUTUV/I-SIC 6.60 DME/RADAR – SEGMENT REPLACED TO ALGIN PROCEDURE PER ATC REQUEST.
7. TERMINAL ROUTES: ADDED IAF SEGMENT FROM JUPAL/I-SIC 24.54 DME/RADAR TO LAMAH/I-SIC 21.34 DME/RADAR TO ANTRI/I-SIC 18.14 DME/RADAR TO DULEY/I-SIC 14.94 DME/RADAR TO KLEPR/I-SIC 11.74 DME/RADAR AND IF SEGMENT FROM KLEPR/I-SIC 11.74 DME/RADAR TO WUTVU/I-SIC 6.91 DME/RADAR – PROCEDURE UPDATED TO ALIGN WITH PBN PROCEDURE PER FPT REQUEST.
8. MISSED APPROACH: UPDATED LOC MAP FROM "I-SIC 1.98 DME" TO "4.93 NM AFTER WUTVU/I-SIC 6.91DME/RADAR OR AT I-SIC 1.98 DME" – IAW 8260.19I 8-6-6 C, UPDATED FAF LOCATION AND MAKE-UP.
9. MISSED APPROACH INSTRUCTIONS: UPDATED FROM "CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 ON CVG R-174 TO ZIRKE INT/CVG 15.12 DME AND HOLD" TO "CLIMB TO 1300, THEN CLIMB TO 3000 DIRECT ZIRKE AND HOLD." REMOVED ALTERNATE MISSED APPROACH INSTRUCTIONS – ALTERNATE MISSED APPROACH BECAME PRIMARY MISSED APPROACH PER FPT REQUEST.
10. PROFILE LINE 2: UPDATED FROM PROFILE STARTS AT: "NILRE/I-SIC 24.18 DME/RADAR" TO "KLEPR/I-SIC 11.74 DME/RADAR" – NEW FIX NAME AND LOCATION TO ALIGN WITH PBN PROCEDURE.
11. PROFILE LINE 3: UPDATED DIST FAF TO MAP AND DIST FAF TO THLD FROM "4.62" TO "4.93" – NEW FAF LOCATION PER ATC.
12. PROFILE LINE 4: UPDATE MIN ALT FROM "NILRE/I-SIC 24.18 DME/RADAR 8000, HIPEB/I-SIC 21.04 DME/RADAR 7000, FELUB/I-SIC 17.90 DME/RADAR 6000, JUBUR/I-SIC 14.76 DME/RADAR 5000, ZEVVE/I-SIC 11.62 DME/RADAR 4000, WUTVU/I-SIC 6.60 DME/RADAR 2400, FIMAN/I-SIC 4.00 DME/RADAR 1560*" TO "KLEPR/I-SIC 11.74 DME/RADAR 4000, WUTVU/I-SIC 6.91 DME/RADAR 2500, FIMAN/I-SIC 4.00 DME/RADAR 1560" – ADDED NEW IF SEGMENTS TO PROCEDURE PER ATC.
13. PROFILE LINE 6: UPDATED MIN GP INCPT FROM "2400" TO "2500" AND GP ALT AT FAF FROM "WUTVU/I-SIC6.60 DME/RADAR 2400" TO "WUTVU/I-SIC 6.91 DME/RADAR 2500" – NEW FAF LOCATION AND ALTITUDE PER ATC TO ALIGN WITH PBN PROCEDURE.
14. PROFILE LINE 8: UPDATED MSA FROM "CVG VORTAC 2900" TO "ARP KCVG 3000" – CVG VORTAC DECOMMISSIONING.
15. PBN REQUIREMENT NOTES: ADDED "RNP APCH-GPS." – IAW 8260.19I 8-6-8.
16. NOTES: ADDED "CHART SPEED ICON IN PLANVIEW AT DOSKE: MAX 210 KIAS," "CHART SPEED ICON IN PLANVIEW AT USUVE: MAX 210 KIAS," "CHART SPEED ICON IN PLANVIEW AT KLEPR: MAX 210 KIAS," "CHART SPEED ICON IN PLANVIEW AT JUPAL: MAX 210 KIAS," "CHART SPEED ICON IN PLANVIEW AT NXHAL: MAX 210 KIAS" AND "CHART SPEED ICON IN PLANVIEW AT LEWIN: MAX 210 KIAS" – TO MEET MINIMUM LEG DISTANCES, PER ATC, IAW 8260.19I 4-6-10.
17. ADDITIONAL FLIGHT DATA: UPDATE CHART VDP AT: FROM "2.98 DME*" TO 2.97 DME," REMOVED "*" LOC ONLY" – NEW FAF LOCATION, ASTERISK NO LONGER REQUIRED, IAW 8260.19I 8-6-10.
18. ADDITIONAL FLIGHT DATA: REMOVED "CHART IN PLANVIEW: ZIRKE INT/FLM 17.35 DME" – NO LONGER REQUIRED, ALTERNATE MA IS NOW THE PRIMARY MA.
19. ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM "HOLD N, RT, 174.12 INBOUND" TO "HOLD NW, RT, 116.15 INBOUND" ALTERNATE MA IS NOW THE PRIMARY MA, UPDATED HOLDING PATTERN.
20. ADDITIONAL FLIGHT DATA: UPDATED CHART VDP TO THLD FROM "1.00 NM" TO "0.99 NM" – UPDATED FAF LOCATION, NEW VDP.
21. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST NOTE FROM: "963 TREE 390426N/08439573" TO "973 TREE (21-070571) 390427N/0843957W" – NEW SURVEY, NEW FAS OBST IAW 8260.19I 8-6-10.
22. ADDITIONAL FLIGHT DATA: ADDED "CHART MANDATORY 8000 AT CRSLY," "CHART MANDATORY 8000 AT BYRAN," "CHART MANDATORY 6000 AT NXHAL" AND "CHART MANDATORY 6000 AT LEWIN" – PROCEDURE IS TIED INTO STARS, ATC REQUEST, IAW 8260.19I 8-6-10.
23. MINIMUMS: ADDED "TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT" – IAW 8260.19I 8-6-12.



AIRPORT ID
CVG

PROCEDURE NAME
ILS OR LOC RWY 18C
ILS RWY 18C (SA CAT I)
ILS RWY 18C (SA CAT II)

ORIGINAL/AMENDMENT
24

CITY
COVINGTON

STATE
KY

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZID, CVG APP CON, CVG ATCT, AMGR

FLIGHT CHECKED BY

ERIC L GEYER

Digitally signed by
ROBERT G HAMILTON
Feb 25, 2025

OFFICE

AJF

DATE

02/24/2025

DEVELOPED BY

ERIC N SUSKI (JUDITH TUTTLE)

Digitally signed by
ROBERT G HAMILTON
Feb 25, 2025

OFFICE

AJV-A431

DATE

09/25/2023

APPROVED BY

ERIC N SUSKI

Digitally signed by
ROBERT G HAMILTON
Feb 25, 2025

OFFICE

AJV-A431

DATE

05/08/2025

TITLE

MANAGER



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

<u>AIRPORT ID</u> CVG	<u>PROCEDURE NAME</u> ILS OR LOC RWY 18C ILS RWY 18C (SA CAT I) ILS RWY 18C (SA CAT II)	<u>AMDT NO.</u> 24	<u>CITY</u> COVINGTON	<u>STATE</u> KY	<u>AIRPORT ELEVATION</u> 896	<u>FACILITY</u> I-SIC
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

<u>FROM</u> CRSLY	<u>TO</u> WIMEV
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<u>RNP</u> 1.00	<u>DISTANCE</u> 7.93	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<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 (39-001304)	391624.00N/0843137.00W	1549	100	20	3C	1000				AT2151	4700
TERRAIN	391545.00N/0843400.00W	921 (900)								AS1500	2400

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INITIAL: STEPDOWN

<u>FROM</u> WIMEV	<u>TO</u> KLEPR/I-SIC 11.74 DME/RADAR
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<u>RNP</u> 1.00	<u>DISTANCE</u> 5.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<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	391633.00N/0843551.00W	1263	215	8	4B	1000				AT1737	4000
TERRAIN	391633.00N/0843554.00W	1062 (1100)								AS1500	2600

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



INITIAL

FROM

BYRAN

TO

SERBE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	8.02										
<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	392112.00N/0845418.00W	1247	215	8	4B	1000				AT2453	4700
TERRAIN	392103.00N/0845357.00W	1030 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM

SERBE

TO

KLEPR/I-SIC 11.74 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	5.00										
<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 (39-001463)	391420.20N/0844035.80W	1124	500	50	5D	1000				AT1876	4000
TERRAIN	391448.00N/0843803.00W	1030 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

NXHAL

TO

DOSKE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	10.86										
<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 (39-001892)	391159.60N/0843121.60W	1849	250	50	4D	1000				AT1651	4500
TERRAIN	391124.00N/0843418.00W	961 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM

DOSKE

TO

KLEPR/I-SIC 11.74 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	6.26										
<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 (39-003769)	391122.23N/0843415.58W	1286	500	50	5D	1000				AT1714	4000
TERRAIN	391203.00N/0843606.00W	951 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

LEWIN

TO

USUVE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	7.93										
<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>
STACK (39-001209)	390643.40N/0844808.10W	1292	500	50	5D	1000				AT2208	4500
TERRAIN	391224.00N/0844957.00W	935 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM

USUVE

TO

KLEPR/I-SIC 11.74 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	5.91										
<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 (39-001463)	391420.20N/0844035.80W	1124	500	50	5D	1000				AT1876	4000
TERRAIN	391139.00N/0844245.00W	902 (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

JUPAL/I-SIC 24.54 DME/RADAR

TO

LAMAH/I-SIC 21.34 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	3.20										
<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 (39-002770)	392609.18N/0844023.52W	1381	50	20	2C	1000				AT4619	7000
TERRAIN	392548.00N/0843657.00W	971 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM

LAMAH/I-SIC 21.34 DME/RADAR

TO

ANTRI/I-SIC 18.14 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	3.20										
<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 (39-000634)	392335.00N/0843624.00W	1197	250	50	4D	1000				AT3803	6000
TERRAIN	392142.00N/0844139.00W	928 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL: STEPDOWN

FROM

ANTRI/I-SIC 18.14 DME/RADAR

TO

DULEY/I-SIC 14.94 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	3.20										
<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 (39-001780)	391728.50N/0843706.40W	1163	20	3	1A	1000				AT2837	5000
TERRAIN	391651.00N/0843551.00W	961 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM

DULEY/I-SIC 14.94 DME/RADAR

TO

KLEPR/I-SIC 11.74 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
	3.20										
<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	391633.00N/0843554.00W	1263	215	8	4B	1000				AT1737	4000
TERRAIN	391633.00N/0843554.00W	1062 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

KLEPR/11.74 DME/RADAR

TO

WUTVU/I-SIC 6.91 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>			<u>HMAS</u>	
	4.83										
<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 (39-006370)	391152.00N/0843602.00W	1149	250	50	4D	500				DG851	2500
TERRAIN	391045.00N/0843624.00W	944 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS

FROM

WUTVU/I-SIC 6.91 DME/RADAR

TO

RW18C

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	4.93		DA				200				
<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				1075

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: ILS SA CAT I

FROM

WUTVU/I-SIC 6.91 DME/RADAR

TO

RW18C

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>			
		4.93		DA			150				
<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				1025

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: ILS SA CAT II

FROM

WUTVU/I-SIC 6.91 DME/RADAR

TO

RW18C

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	4.93		DA				100				
<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				975

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LOC

FROM

WUTVU/I-SIC 6.91 DME/RADAR

TO

FIMAN/I-SIC 4.00 DME/RADAR

RNP	DISTANCE	PAT	MAP				HAT	HMAS			
	2.91										
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	390818.00N/0844024.00W	1086	215	8	4B	250				DG224	1560

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM

FIMAN/I-SIC 4.00 DME/RADAR

TO

4.93 NM AFTER WUTVU/I-SIC 6.91 DME/RADAR OR AT I-SIC 1.98 DME

RNP	DISTANCE	PAT	MAP				HAT	HMAS			
	2.02		4.93 NM AFTER WUTVU/I-SIC 6.91 DME/RADAR OR AT I-SIC 1.98 DME				385				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (21-070571)	390427.34N/0843957.13W	973	20	3	1A	250				DG37	1260

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

ZIRKE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00											907
<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 (21-001744)	384546.64N/0843625.12W	1265	50	20	2C	1000					2300
TERRAIN	385312.00N/0845627.00W	971 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS SA CAT I

FROM

DA

TO

ZIRKE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00								865			
<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 (21-001744)	384546.64N/0843625.12W	1265	50	20	2C	1000					2300
TERRAIN	385312.00N/0845627.00W	971 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FACILITY
I-SIC

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											
ATCT (21-001297)	390226.83N/0843931.96W	1.30	564	1159	20	3	1A	300			1460
CATEGORY B											
ATCT (21-001297)	390226.83N/0843931.96W	1.84	564	1159	20	3	1A	300			1460
CATEGORY C											
TOWER (21-070299)	390355.91N/0843626.72W	2.89	664	1257	20	10	1B	300			1560
CATEGORY D											
TOWER (21-070299)	390355.91N/0843626.72W	3.77	664	1257	20	10	1B	300			1560

CIRCLING REMARKS:

MSA

CENTER	RADIUS
ARP KCVG	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (39-001241)	393044.00N/0843809.00W	009	27.8	1902	500	50	5D	1000			3000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

FACILITY
I-SIC

QUALITY
20
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.

SUITABLE ENROUTE FIX/NAVAID THAT MEETS ATC TRAFFIC FLOW NOT AVAILABLE. FEEDER NOT ESTABLISHED. RADAR REQUIRED FOR PROCEDURE ENTRY AT JUPAL.

WAIVER REQUESTED TO APPLY LPV MISSED APPROACH CRITERIA TO ILS SA CAT I-II.

NO CAPTURE FIX USED PER 8260.58C, APPENDIX C, PARAGRAPH 2.A.(1) WAIVER MEMO.

MANDATORY ALTITUDES AT BYRAN, CRSLY, LEWIN AND NXHAL DUE TO TERMINUS FIXES USED ON KCVG STARS.

AIRSPPEED RESTRICTIONS AT LEWIN, NXHAL AND JUPAL PER ATC REQUEST.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1116 AAO 390915.00N/0843918.00W.

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	3.05
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.88
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	180.18
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	4.73
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.24
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	180.18
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)	390353.07N/0844007.02W
ARP COORDINATES	390255.82N/0844004.16W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 36R DISTANCE 1.57 NM
FAF COORDINATES	390849.20N/0844005.80W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY