

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, 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 in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 4.31 NM AFTER KROOK INT/I-CGF 5.32 DME OR AT I-CGF 1.01 DME							
WEIDS (IAF)		EBLIS (TF) (FB) (RNP 1.00)		267.01 / 7.11				3000		CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 3100 VIA CXR VOR/DME R-286 TO CXR VOR/DME AND HOLD.  ALTERNATE MA (DO NOT CHART): CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 180 AND ON DJB VOR/DME R-096 TO WEXER INT/DJB 35.52 DME AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 106.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E WEXER INT/DJB 35.52 DME, RT, 275.89 INBOUND. FAS OBST: 989 AAO 413602N/0812522W. CHART VDP AT 1.99 DME* DISTANCE VDP TO THLD 0.98 NM. *LOC ONLY. CHART IN PLANVIEW: WEXER INT/DJB 35.52 DME.							
EBLIS INT/I-CGF 13.43 DME (IF)		IMUSY INT/I-CGF 9.00 DME		237.48 / 4.43 (I-CGF)				3000									
IMUSY INT/I-CGF 9.00 DME		KROOK INT/I-CGF 5.32 DME		237.48 / 3.68 (I-CGF)				2300									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT EBLIS 3. FAC: 237.48 FAF: KROOK INT/I-CGF 5.32 DME DIST FAF TO MAP: 4.31 THLD: 4.31 4. MIN. ALT: EBLIS 3000, IMUSY 3000, KROOK 2300 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1148 6. MIN GS INCPT: 2300 GS ALT AT: KROOK 2300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 49.6 8. MSA FROM: CXR VOR/DME 3100										MAG VAR: 8W EPOCH YEAR: 1995							
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @					
CATEGORY =====>		A			B			C			D			E			
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 24		1195	3/4	316	1195	3/4	316	1195	3/4	316	1195	3/4	316				
S-LOC 24		1240	3/4	361	1240	3/4	361	1240	3/4	361	1240	3/4	361				
CIRCLING		1400	1	521	1440	1	561	1440	1 1/2	561	1540	2	661				
NOTES: CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 2020. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-LOC VISIBILITY ALL CATS TO 1 SM. (CONTINUED ON PAGE 2)																	
CITY AND STATE CLEVELAND, OH		ELEVATION: 879 TDZE: 879 AIRPORT NAME: CUYAHOGA COUNTY			FACILITY IDENTIFIER: I-CGF		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 24, AMDT 15B						SUP: AMDT: 15A DATED 04/02/2015				



ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
				ROUTINE	
COORDINATED WITH:					
A4A <div><input type="checkbox"/></div>	ALPA <div><input checked="" type="checkbox"/></div>	AOPA <div><input checked="" type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	HAI <div><input type="checkbox"/></div>	NBAA <div><input checked="" type="checkbox"/></div>
OTHER (specify)			<div><input checked="" type="checkbox"/> ZOB ARTCC, CLE ATCT, CGF ATCT, AMGR</div>		
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME: <div>Digitally signed by <b>DEANNA M. FIELDS</b> Jan 30, 2018</div>				FIFO AJV-5421	DATE: 12/21/2017
APPROVED BY					
NAME: <div>JULIE A. MORGAN MANAGER</div>				FIFO AJV-5420	DATE:
CHANGES:					
<div>1. DELETED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WEIDS ON V10 SOUTHEAST BOUND. 2. ADDED EQUIPMENT REQUIREMENTS NOTE: RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY. 3. ADDED EQUIPMENT REQUIREMENTS NOTE: AIRCRAFT NOT GPS EQUIPPED - RADAR REQUIRED FOR PROCEDURE ENTRY 4. ADDED PBN REQUIREMENTS NOTE: RNAV 1. 5. ILS DA/HAT INCREASED FROM 1192/313 TO 1195/316 ALL CATS. 6. CIRCLING CATS B/C MDA/HAA INCREASED FROM 1420/541 TO 1440/561. 7. CIRCLING CAT D MDA/HAA INCREASED FROM 1480/601 TO 1540/661. 8. ADDED CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). 9. UPDATED HELICOPTER NOTE FROM VISIBILITY REDUCTION BY HELICOPTERS NA TO RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. 10. REMOVED ALL BACK UP ALTIMETER NOTES.</div> <div>PDFEDIT 8260-3: TERMINAL ROUTE WEIDS (IAF) TO EBLIS INT/I-CGF 13.43 DME. CHANGED EBLIS INT/I-CGF 13.43 DME TO EBLIS (TF) (FB) (RNP 1.00). (SEE FORM 8260-10)</div>					
REASONS:					
<div>1. V10 AIRWAY STRUCTURE NO LONGER EXIST. 2-4. EQUIPMENT NAVSPEC REQUIREMENTS. 5-7. NEW OBSTACLES. 8. ANGLES NOT COINCIDENT. 9. CRITERIA NEW WORDING. 10. CONTINGENCY ALTIMETER INFORMATION LISTED ON THE BACK OF THE 8260-9. KCGF AND KCLE WEATHER SOURCE TRANSMITTED TO WMSCR.</div>					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**ILS - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29**

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NOTES, (CONT.):

EQUIPMENT REQUIREMENTS NOTE: RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY.

EQUIPMENT REQUIREMENTS NOTE: AIRCRAFT NOT GPS EQUIPPED - RADAR REQUIRED FOR PROCEDURE ENTRY

PBN REQUIREMENTS NOTE: RNAV 1



CITY AND STATE

CLEVELAND, OH

ELEVATION: 879

TDZE: 879

AIRPORT NAME:

CUYAHOGA COUNTY

FACILITY  
IDENTIFIER:  
I-CGF

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
ILS OR LOC RWY 24, AMDT 15B

SUP:

AMDT: 15A

DATED: 04/02/2015

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
A4A <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>	HAI <div><input type="checkbox"/></div>	NBAA <div><input type="checkbox"/></div>
OTHER (specify) <div><input type="checkbox"/></div> _____					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES: CHANGES CONT.					
REASONS:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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## PART - A OBSTRUCTION DATA

1. APP SEGMENT						FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL	ROC	ALT. ADJUSTMENTS		MIN. ALT.			
<b>INITIAL</b>						<b>WEIDS</b>		<b>EBLIS</b>		<b>1. AAO</b>		<b>414015.00N/0810339.00W</b>		<b>1500 (4E)</b>	<b>1000</b>	<b>AT500</b>		<b>3000</b>			
										<b>2. TERRAIN</b>		<b>413918.00N/0810609.00W</b>		<b>1185 (1200)</b>		<b>AS1500</b>		<b>2700</b>			
<b>INTERMEDIATE</b>						<b>EBLIS INT/I-CGF</b>		<b>IMUSY INT/I-CGF</b>		<b>3. AAO</b>		<b>413830.00N/0811624.00W</b>		<b>1487 (4E)</b>	<b>500</b>	<b>AC98 AT915</b>		<b>3000</b>			
						<b>13.43 DME</b>		<b>9.00 DME</b>		<b>4. TERRAIN</b>		<b>413830.00N/0811624.00W</b>		<b>1287 (1300)</b>		<b>AS1500</b>		<b>2800</b>			
<b>INTERMEDIATE:</b>						<b>IMUSY INT/I-CGF</b>		<b>KROOK INT/I-CGF</b>		<b>5. AAO</b>		<b>413800.00N/0811751.00W</b>		<b>1126 (4E)</b>	<b>500</b>	<b>AT576 AC98</b>		<b>2300</b>			
<b>STEPDOWN</b>						<b>9.00 DME</b>		<b>5.32 DME</b>		<b>6. TERRAIN</b>		<b>413745.00N/0811951.00W</b>		<b>896 (900)</b>		<b>AS1000</b>		<b>1900</b>			
<b>FINAL: ILS</b>						<b>KROOK INT/I-CGF</b>		<b>RW24</b>		<b>7. TREE (39-056525)</b>		<b>413430.09N/0812806.78W</b>		<b>982 (1A)</b>		<b>MA66</b>		<b>1195/316</b>			
						<b>5.32 DME</b>															
<b>FINAL: LOC</b>						<b>KROOK INT/I-CGF</b>		<b>4.31 NM AFTER</b>		<b>8. AAO</b>		<b>413602.24N/0812522.43W</b>		<b>989 (2C)</b>	<b>250</b>			<b>1240</b>			
						<b>5.32 DME</b>		<b>KROOK INT/I-CGF</b>													
								<b>5.32 DME OR AT</b>													
								<b>I-CGF 1.01 DME</b>													
<b>2. PROCEDURE TURN</b>																					
<b>3. MISSED APPROACH</b>		<b>MAP:</b>		<b>DA / 4.31 NM</b>		<b>CXR VOR/DME</b>		<b>7. TREE (39-056525)</b>		<b>413430.09N/0812806.78W</b>		<b>982 (1A)</b>		<b>ASC</b>				<b>3100</b>			
				<b>AFTER KROOK</b>				<b>9. TOWER (39-000197)</b>		<b>412754.00N/0811711.00W</b>		<b>2020 (3C)</b>		<b>1000</b>				<b>3100</b>			
		<b>ELEV:</b>		<b>979/990</b>				<b>10. TERRAIN</b>		<b>412906.00N/0811221.00W</b>		<b>1375 (1400)</b>				<b>AS1500</b>		<b>2900</b>			
<b>4. CIRCLING AREA</b>		<b>DISTANCE</b>		<b>REQUIRED</b>	<b>ACTUAL</b>	<b>HT. ABV. ARPT.</b>															
CATEGORY A		1.3 NM				350		521		13. TOWER (39-020939)		413232.12N/0812942.17W		1100 (1A)		300				1400	
CATEGORY B		1.5 NM				450		561		14. TREE (39-063342)		413210.47N/0812924.92W		1128 (1B)		300				1440	
CATEGORY C		1.7 NM				450		561		14. TREE (39-063342)		413210.47N/0812924.92W		1128 (1B)		300				1440	
CATEGORY D		2.3 NM				550		661		15. TOWER (39-027407)		413200.64N/0812738.63W		1173 (4D)		300		AC50		1540	
CATEGORY E		4.5 NM				550															
<b>5. MINIMUM SAFE ALTITUDES</b>																					
PRIMARY NAVAID: CXR VOR/DME																					
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A			
360-360		TWR (																			

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:  CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.50NM CAT C: 1.70NM CAT D: 2.30NM  NO ADDITIONAL AIRSPACE REQUIRED.  VGSI DATA: 3.00/54 FT.  100FT VEGETATION HEIGHT USED  RWY 24 34:1 PENETRATIONS: 960 TREE (KCGF0056) 413420.79N/0812816.64W (19.00) 980 TREE (KCGF0064) 413429.34N/0812806.19W (4.72)  KCGF: AWOS TYPE 3, TRANSMITTED TO WMSCR. KCLE: ASOS TYPE 3, TRANSMITTED TO WMSCR. CONTINGENCY ALTIMETER RASS PRESSURE PATTERNS THE SAME KCGF 878.7, KCLE 799.4 RA = 56.10FT (57FT).  VDP NA WITH CLEVELAND-HOPKINS INTL ALTIMETER SETTING.  WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLEVELANDHOPKINS INTL ALTIMETER SETTING AND INCREASE ALL DA 57 FEET AND ALL MDA 60 FEET, INCREASE CIRCLING CAT C, D 1/4 SM.  FOR INOPERATIVE MALSR WHEN USING CLEVELAND-HOPKINS INTL ALTIMETER SETTING, INCREASE S-ILS VISIBILITY ALL CATS TO 1 1/4 SM, INCREASE S-LOC CAT A, B VISIBILITY TO 1 SM.  MISSED APPROACH OBSTACLES CONT. ALTERNATE: ASC 3000 11. TOWER (39-001493) 412632.39N/0812928.12W 1640 (5D) 1000 2700 12. TERRAIN 412418.00N/0811803.00W 1313 (1300) AS1500 2800	
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING					
CLE APP CON CGF TOWER ZOB ARTCC				N W S	OTHER: AWOS-3		SOURCE:KCGF / KCLE				
				F A A			DISTANCE: 0 / 19.02				
				A / C			HOURS REMOTE OPERATION: 24/YES / 24/YES				
SATISFACTORY ON:											
X	V H F	X	U H F		H F	LOCATION: KCGF			ADJUSTMENT: 0 / 57		
4. MONITOR STATUS	PRIMARY NAVAID: I-CGF										
	MONITOR POINT: MOCC										
	HRS	OPTN:	CAT 1	24							CAT 3
5. APPROACH & RUNWAY LIGHTING		ALS									
		(S) SALS									
	X	MALSR 24 (PCL)									
	X	HIRL 06 (PCL), 24 (PCL)									
		MIRL									
	X	REIL 06 (PCL)									
		TDZ									
		C/LINE									
	X	OTHER (SPECIFY) PAPI-4L 06, 24 (PCL)									
6. RUNWAY MARKINGS		BASIC									
		ALL WEATHER PIR-G 24									
		INSTRUMENT NPI-G 06									
7. RUNWAY VISUAL RANGE		APPROACH									
		MIDFIELD									
		ROLL OUT									
8. GLIDE PATH		GP ANGLE: 3.00				ELEV RWY THRESHOLD: 878.7					
		DISTANCE FROM RWY: 1148				ELEV GP ANTENNA: 868.5					
						THRESHOLD CROSSING HEIGHT: 49.6					
9. FINAL APPROACH COURSE AIMING			X	RUNWAY THRESHOLD						FT. FROM THRESHOLD	
			X	ON CENTERLINE						FT. FROM CENTERLINE	
10. WAIVERS: NONE											
PART D - PREPARED BY: DEANNA M. FIELDS						DATE: 12/21/2017					
TITLE: AERONAUTICAL INFORMATION SPECIALIST						OFFICE: AJV-5421					

