

[Print](#)

Project Name: K14G NEW CIRCLING RADII APPLIED

Project Reason: Controlling obstacles: Cat A/B/C: Tower (39-003097) 412102.30N/0830802.31W 874 (4D) Cat D: Tower (39-004326) 412158.20N/0830519.70W 1013 (5D) Radii: Cat A: 1.30 Cat B: 1.84 Cat C: 2.87 Cat D 3.75. Additionally, the note concerning the Primary and Secondary Remote Altimeters needs to be updated to reflect the new minima. Order 8260.3, chapter 2, New Circling Criteria Applied

Last Updated By: James Lafferty

Last Updated At: 2020-11-10 11:01:36.112496

Status: Draft 0/1526

!FDC X/XXXX 14G IAP FREMONT, FREMONT, OH. RNAV (GPS) RWY 9, ORIG-B... CIRCLING CAT D MDA 1380/HAA 717, VIS CAT D 2 1/4. CHANGE NOTE TO READ: USE SANDUSKY COUNTY REGIONAL ALTIMETER SETTING; WHEN NOT RECEIVED USE TOLEDO EXECUTIVE ALTIMETER SETTING: INCREASE ALL MDA 40 FEET AND LNAV CAT D AND CIRCLING CAT C AND D VISIBILITY 1/4 SM. CHART NOTE: CIRCLING NA TO RWYS 18-36. THIS IS RNAV (GPS) RWY 9, ORIG-C. 2011101101-PERM

Digitally signed by
DAVID TEFFETELLER
Nov 20, 2020



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						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			LNAV: RW09					
HALOK (IAF)			KADBY (NOPT) (TF) (FB) (RNP 1.00)			185.09 / 6.83			2600			CLIMBING RIGHT TURN TO 2600 DIRECT KADBY AND HOLD.					
TUMAY (IAF)			KADBY (NOPT) (TF) (FB) (RNP 1.00)			005.09 / 7.04			2600								
KADBY (IF/IAF)			FALWA (TF) (FB) (RNP 1.00)			095.09 / 7.32			2400								
FALWA (FAF)			RW09 (MAP) (TF) (FO) (RNP 0.30)			095.19 / 5.28						ADDITIONAL FLIGHT DATA: CHART FAS OBST: 789 TREE 411933N/0831157W. CHART: 927 TOWER 412027N/0831627W FALWA TO RW09: 3.05/40.					
RW09 (MAP)			1063 MSL (CA)			095.19											
1063 MSL			KADBY (DF) (FO) (RNP 1.00)						2600								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. HOLD W KADBY, RT, 095.09 INBOUND, 2600 FT. IN LIEU OF PT (IAF)																	
3. FAC: 095.19 FAF: FALWA DIST FAF TO MAP: 5.28 THLD: 5.28																	
4. MIN. ALT: KADBY 2600, FALWA 2400																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: _____ TCH: 20:1 IS NOT CLEAR 34:1 IS NOT CLEAR																	
8. MSA FROM: RW09 3100												MAG VAR: 5W			EPOCH YEAR: 1985		
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A X											
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		
LNAV MDA	1080	1	417	1080	1	417	1080	1 1/4	417	1080	1 1/4	417					
CIRCLING	1240	1	577	1240	1	577	1240	1 1/2	577	1240	2	577					
NOTES: CHART NOTE: PROCEDURE NA AT NIGHT. PBN REQUIREMENTS NOTE: RNP APCH CHART NOTE: USE SANDUSKY COUNTY REGIONAL ALTIMETER SETTING; WHEN NOT RECEIVED USE TOLEDO EXECUTIVE (CONTINUED ON PAGE 2)																	
CITY AND STATE FREMONT, OH			ELEVATION: 663 TDZE: 663 AIRPORT NAME: FREMONT			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG-B						SUP: AMDT: ORIG-A DATED 02/11/2010		



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	ALPA	AOPA	APA	HAI	NBAA
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
OTHER (specify) <u>ZOB, TOL APCH, AMGR</u>					
FLIGHT CHECKED BY					
NAME: FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017.				Digitally signed by ROBERT G HAMILTON	DATE:
DEVELOPED BY				Feb 02, 2018	
NAME: DAVID A. DOWLING				Digitally signed by DAVID A DOWLING	DATE: 12/11/2017
APPROVED BY				Jan 29, 2018	
NAME: Digitally signed by ROBERT G HAMILTON JULIE A. MORGAN				FIFO AJV-5422	DATE:
CHANGES: Feb 02, 2018					
<div>1. REMOVED V45-493 AIRWAY NA NOTE AT FIX TUMAY.</div> <div>2. UPDATED VISIBILITY REDUCTION NOTE FOR HELICOPTERS.</div> <div>3. ADDED PROCEDURE NA AT NIGHT NOTE.</div> <div>4. REMOVED DME/DME RNP-0.3 NA NOTE AND ADDED PBN REQUIREMENTS NOTE: RNP APCH.</div> <div>5. ADDED MISSED APPROACH SEGMENT TO TERMINAL ROUTES.</div> <div>6. CHANGED BACKUP ALTIMETER AIRPORT NAME FROM METCALF FIELD TO TOLEDO EXECUTIVE.</div> <div>7. INCREASED CIRCLING CATS A-C FROM MDA 1200/HAA 537 AND CAT D FROM MDA 1220/HAA 557 TO CIRCLING ALL CATS MDA 1240/HAA 577.</div> <div>8. CHANGED THE BACKUP ALTIMETER SETTING NOTE FROM USE SANDUSKY COUNTY REGIONAL ALTIMETER SETTING; WHEN NOT RECEIVED USE METCALF FIELD ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND LNAV CAT D VISIBILITY 1/4 MILE TO USE SANDUSKY COUNTY REGIONAL ALTIMETER SETTING; WHEN NOT RECEIVED USE TOLEDO EXECUTIVE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND LNAV CAT D AND CIRCLING CAT C VISIBILITY 1/4 MILE.</div>					
REASONS:					
<div>1. WATERVILLE (VWV) VOR/DME PLANNED DECOMMISSIONING.</div> <div>2/4. 8260-19H INSTRUCTION.</div> <div>3. UNMITIGATED VISUAL SURFACE PENETRATIONS.</div> <div>5. ARINC REQUIREMENT.</div> <div>6. AVNIS UPDATE.</div> <div>7. OBSTACLE ACCURACY CHANGE FROM 2C TO 4D.</div> <div>8. MINIMUMS INCREASE.</div>					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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.

NOTES, (CONT.):

ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND LNAV CAT D AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

QUALITY
22
CHECKED

CITY AND STATE

FREMONT, OH

ELEVATION: 663

TDZE: 663

AIRPORT NAME:

FREMONT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 9, ORIG-B

SUP:

AMDT: ORIG-A

DATED: 02/11/2010

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

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
--	--	--

	PART - A OBSTRUCTION DATA
--	---------------------------

1. APP SEGMENT						FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL	ROC	ALT. ADJUSTMENTS		MIN. ALT.
INITIAL						HALOK		KADBY	1. TOWER (39-003683)		412046.00N/0832636.00W		1083 (4D)		1000	DG517	2600	
									2. TERRAIN		411827.00N/0832721.00W		729 (700)			AS1500	2200	
INITIAL						TUMAY		KADBY	3. TOWER (39-020112)		411841.21N/0832725.66W		995 (2C)		1000	DG605	2600	
									4. TERRAIN		411318.00N/0832254.00W		758 (800)			AS1500	2300	
INTERMEDIATE						KADBY (IF/IAF)		FALWA	1. TOWER (39-003683)		412046.00N/0832636.00W		1083 (4D)		500	DG767 AC50	2400	
									5. TERRAIN		411615.00N/0832615.00W		732 (700)			AS1500	2200	
FINAL: LNAV						FALWA		RW09	6. TREE		411933.00N/0831157.00W		789 (2C)		250	RA15 XP20	1080	
2. HOLD-IN-LIEU-OF-PT						KADBY		P-5	1. TOWER (39-003683)		412046.00N/0832636.00W		1083 (4D)		1000	DG517	2600	
									7. TERRAIN		411718.00N/0832754.00W		739 (700)			AS1500	2200	
3. MISSED APPROACH	MAP:		RW09		KADBY									ASC			2660	
								8. TOWER (39-002007)		411752.60N/0831539.28W		1059 (4D)		1000	AC50	2200		
	ELEV:		815					9. TERRAIN		411330.00N/0832248.00W		749 (700)			AS1500	2200		
4. CIRCLING AREA		DISTANCE		<div style="writing-mode: vertical-rl; transform: rotate(180deg); border-left: 1px solid black;">REQUIRED</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); border-right: 1px solid black;">ACTUAL</div>		HT. ABV. ARPT.												
CATEGORY A	1.3 NM		350			577	10. TOWER (39-003097)	412102.30N/0830802.31W		874 (4D)		300	RA15 AC50		1240			
CATEGORY B	1.5 NM		450			577	10. TOWER (39-003097)	412102.30N/0830802.31W		874 (4D)		300	RA15 AC50		1240			
CATEGORY C	1.7 NM		450			577	10. TOWER (39-003097)	412102.30N/0830802.31W		874 (4D)		300	RA15 AC50		1240			
CATEGORY D	2.3 NM		550			577	10. TOWER (39-003097)	412102.30N/0830802.31W		874 (4D)		300	RA15 AC50		1240			
CATEGORY E	4.5 NM		550															
5. MINIMUM SAFE ALTITUDES PRIMARY NAVAID: RW09																		
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	
360-360		TWR (39-000350)		342/21.7		2016 (5D)		3100										
CITY AND STATE FREMONT, OH				ELEVATION: 663 AIRPORT NAME: FREMONT				FACILITY RNAV				PROCEDURE AND AMENDMENT NO: RNAV (GPS) RWY 9, ORIG-B				REGION AGL		

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: VDP NOT ESTABLISHED - ALTIMETER ADJUSTMENT IN USE AND 20:1 PENETRATION. THRESHOLD DISPLACED 126 FEET. PRECIPITOUS TERRAIN EVALUATION COMPLETED. BLOCK 3: ALTIMETER SETTING SOURCE: KS24/KTDZ DISTANCE: KS24/KTDZ 6.02NM/20.06NM, HRS REMOTE OPTN: 24/24 ADJUSTMENT: 14.18FT/51.79FT KS24 AWOS NOT ON WMSCR KTDZ ASOS ON WMSCR DATABASE OBSTACLE ACCURACIES UPDATED FROM 2C TO 4D FOR: 39-003683, 39-002007 AND 39-003097. VGSI - NONE NO ADDITIONAL AIRSPACE REQUIRED. RASS PRESSURE PATTERNS THE SAME K14G 663.2 MSL KS24 665.4 MSL KTDZ 622.9 MSL "VISUAL PORTION OF FINAL" PENETRATIONS LNAV (FPO NOTIFIED) 20:1 TERRAIN 412000.00N-0831006.00W 8.03FT 34:1 TERRAIN 412006.00N-0831006.00W 1.60FT TERRAIN 412003.00N-0831006.00W 1.64FT TERRAIN 412000.00N-0831009.00W 4.95FT TERRAIN 412000.00N-0831006.00W 11.68FT TAA NOT DEVELOPED PER ATC REQUEST 100 FT. TREE HEIGHT USED. OTHER CHANGES UNRELATED TO FLIGHT SAFETY, E.G., NEW CIRCLING AREAS, NOT INCLUDED IN THIS REVISION, PER REGION IFPR. XP20 - TO RAISE HAT OVER 400 FT ABOVE AIRPORT ELEVATION TO ALLOW ALL DIRECT TURN OVER MAP BACK TO MAHF.																			
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING																					
TOL APP CON						N W S		OTHER: AWOS-3												SOURCE:KS24 / KTDZ									
						F A A														DISTANCE: 6.02 / 20.06									
						A / C														HOURS REMOTE OPERATION:									
SATISFACTORY ON:																													
X		V H F		X		U H F														H F		LOCATION: KS24				ADJUSTMENT: 0			
4. MONITOR STATUS		PRIMARY NAVAID:																											
		MONITOR POINT:																											
		HRS OPTN:		CAT 1																									
				CAT 3																									
5. APPROACH & RUNWAY LIGHTING				ALS																									
				(S) SALS																									
				MAL S																									
				HIRL																									
				MIRL																									
		X		REIL 09 (PCL)																									
				TDZ																									
				C/LINE																									
		X		OTHER (SPECIFY) LIRL 09 (PCL), 27 (PCL)																									
6. RUNWAY MARKINGS				BASIC																									
				ALL WEATHER																									
				INSTRUMENT																									
7. RUNWAY VISUAL RANGE				APPROACH																									
				MIDFIELD																									
				ROLL OUT																									
8. GLIDE PATH				GP ANGLE:								ELEV RWY THRESHOLD:																	
				DISTANCE FROM RWY:								ELEV GP ANTENNA:																	
												THRESHOLD CROSSING HEIGHT:																	
9. FINAL APPROACH COURSE AIMING						X		RUNWAY THRESHOLD												FT. FROM THRESHOLD									
						X		ON CENTERLINE												FT. FROM CENTERLINE									
10. WAIVERS: NONE																													
PART D - PREPARED BY: DAVID A. DOWLING												DATE: 12/11/2017																	
TITLE: AERONAUTICAL INFORMATION SPECIALIST												OFFICE: AJV-5422																	

QUALITY
22
CHECKED