

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: RW20							
NOXEE (IF/IAF)		MILUE (TF) (FB) (RNP 1.00)		207.93 / 6.00				1700		CLIMBING LEFT TURN 2600 DIRECT NOXEE AND HOLD.							
MILUE (FAF)		RW20 (MAP) (TF) (FO) (RNP 0.30)		207.91 / 5.00													
RW20 (MAP)		511 MSL (CA)		207.91													
511 MSL		NOXEE (DF) (FO) (RNP 1.00)						2600		ADDITIONAL FLIGHT DATA: CHART CIRCLING ICON. MILUE TO RW20: 2.92/40 FAS OBST: 320 AAO 370430N/0765803W							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. HOLD NE NOXEE, RT, 207.93 INBOUND, 2600 FT. IN LIEU OF PT (IAF)																	
3. FAC: 207.91 FAF: MILUE DIST FAF TO MAP: 5.00 THLD: 5.00																	
4. MIN. ALT: NOXEE 2600, MILUE 1700																	
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: 34:1 IS NOT CLEAR																	
8. MSA FROM: _____										MAG VAR: 11W				EPOCH YEAR: 2020			
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		@					
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		1120	3	1010	1120	3	1010	1120	3	1010	1120	3	1010				
CIRCLING		1120	3	1009	1120	3	1009	1120	3	1009	1120	3	1009				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. @ CAT A, B, C, D 1100-3 CHART NOTE: PROCEDURE NA AT NIGHT.																	
CITY AND STATE WAKEFIELD, VA		ELEVATION: 111 TDZE: 110 AIRPORT NAME: WAKEFIELD MUNI		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, AMDT 1						SUP: AMDT: ORIG-A DATED 01/13/2011					

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:					
ATA <div></div>		AAT <div></div>		ALPA <div>X</div>	
APA <div></div>		AOPA <div>X</div>		NBAA <div>X</div>	
OTHER (specify)		<div>X</div> AIRPORT MANAGER, ORF APP CON, VA AIRPORT AUTHORITY			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
VICTOR B. NASO (DANIEL BOWMAN)				AJV-5413	04/17/2017
APPROVED BY					
NAME:				FIFO	DATE:
GEORGE DAVIS				AJV-5410	
MANAGER					
CHANGES:					
<div>1. LNAV HAT CHANGED FROM 1007 TO 1010 ALL CATS.</div> <div>2. CIRCLING HAA CHANGED FROM 1007 TO 1009 ALL CATS.</div> <div>3. NEW MISSED APPROACH PROCEDURE THAT TURNS LEFT BACK TO THE HOLD-IN-LIEU.</div> <div>4. COURSES CHANGED 5 DEGREES.</div> <div>5. ADDED HOLD IN LIEU AT NOXEE.</div> <div>6. ADDED TAA.</div> <div>7. DELETED FEEDER ROUTES AND INITIALS.</div> <div>8. DELETED PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.</div> <div>9. AIRPORT MAG VAR CHANGED FROM 9W 1985 TO 11W 2020.</div> <div>10. APT ELEV CHANGED FROM 113 TO 111.</div> <div>11. TDZE CHANGED FROM 113 TO 110.</div> <div>12. CHANGED ALTERNATE MINIMUMS NA TO 1100-3.</div> <div>13. CHANGED ADDITIONAL FLIGHT DATA FAS OBST: 182 TREE 370442/0765848 TO FAS OBST: 320 AAO 370430N/0765803W.</div>					
REASONS:					
<div>1/11. NEW AIRNAV AIRPORT SURVEY DATA: CHART DATE 9/20/2012. TDZE 110.</div> <div>2/10. NEW AIRNAV AIRPORT SURVEY DATA: CHART DATE 9/20/2012. APT ELEV 111.</div> <div>3. FKN VORTAC REMOVED.</div> <div>4/9. MAGVAR UPDATE.</div> <div>5. NEEDED FOR TAA.</div> <div>6/7. SIMPLIFY PROCEDURE AS REQUESTED BY RAPT, ADDED TAA.</div> <div>8. NO VGSI CHARTED.</div> <div>12. IAW FAAO 8260.19G, PARA 8-6-4B(3).</div> <div>13. APPLIED ADVERSE ASSUMPTION OBSTACLES.</div>					



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

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TAA

	FROM	TO	ALT
1.	118/30 CW 298/30 (NOPT)	NOXEE (IF/IAF) (FB)	2600
2.	298/30 CW 118/30	NOXEE (IF/IAF) (FO)	2600

QUALITY
6
CHECKED

CITY AND STATE WAKEFIELD, VA	ELEVATION: 111 TDZE: 110 AIRPORT NAME: WAKEFIELD MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, AMDT 1	SUP:
				AMDT: ORIG-A
				DATED: 01/13/2011

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: ATA AAT ALPA APA AOPA NBAA OTHER (specify) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <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	
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	PART - A OBSTRUCTION DATA
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1. APP SEGMENT			FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS		MIN. ALT.
STRAIGHT-IN AREA			118/30 CW 298/30	NOXEE	1. TOWER (51-022608)	372623.11N/0772600.25W	653 (1A)	1000	AT947		2600
					2. TERRAIN	371718.00N/0773454.00W	338 (300)		AS1500		1800
STRAIGHT-IN AREA			298/30 CW 118/30	NOXEE	3. TOWER (51-001802)	364831.78N/0763011.30W	1282 (1A)	1000	AT318		2600
					4. TERRAIN	371242.00N/0773500.00W	358 (400)		AS1500		1900
INTERMEDIATE			NOXEE (IF/IAF)	MILUE	5. TOWER (51-001397)	371030.00N/0765348.00W	387 (5D)	500			900
					6. TERRAIN	371024.00N/0765554.00W	165 (200)		AS1500		1700
FINAL: LNAV			MILUE	RW20	7. AAO	370430.00N/0765803.00W	320 (2C)	250	XP550		1120
2. HOLD-IN-LIEU-OF-PT			NOXEE	P-5	5. TOWER (51-001397)	371030.00N/0765348.00W	387 (5D)	1000	AT1213		2600
					6. TERRAIN	371024.00N/0765554.00W	165 (200)		AS1500		1700
3. MISSED APPROACH	MAP:		RW20	NOXEE				ASC			2600
					8. TOWER (51-001240)	365723.80N/0765641.10W	515 (2C)	1000			1600
	ELEV:		1020		TERRAIN	370842.00N/0765842.00W	148 (100)		AS1500		1600
4. CIRCLING AREA		DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	1009	10. TOWER (51-000090)	365835.00N/0770000.00W	424 (5D)	300	SI	1120
CATEGORY B	1.5 NM		450		1009	10. TOWER (51-000090)	365835.00N/0770000.00W	424 (5D)	300	SI	1120
CATEGORY C	1.7 NM		450		1009	10. TOWER (51-000090)	365835.00N/0770000.00W	424 (5D)	300	SI	1120
CATEGORY D	2.3 NM		550		1009	8. TOWER (51-001240)	365723.80N/0765641.10W	515 (2C)	300	SI	1120
CATEGORY E	4.5 NM		550								
5. MINIMUM SAFE ALTITUDES											
PRIMARY NAVAID:											
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A		
CITY AND STATE WAKEFIELD, VA			ELEVATION: 111 AIRPORT NAME: WAKEFIELD MUNI			FACILITY RNAV		PROCEDURE AND AMENDMENT NO: RNAV (GPS) RWY 20, AMDT 1			REGION AEA
<div style="text-align: right;">QUALITY 6 CHECKED</div>											

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:																					
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE					3. ALTIMETER SETTING					VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1 SURFACE.																
LEESBURG FSS ORF APP CON							N W S		OTHER: ASOS			SOURCE:KAKQ					THRESHOLD DISPLACED 471 FT.														
							F A A					DISTANCE:																			
							A / C					HOURS REMOTE OPERATION: 24 / YES																			
SATISFACTORY ON:																				PRECIPITOUS TERRAIN EVALUATION COMPLETED.											
X		V H F		X		U H F				H F		LOCATION: KAKQ					ADJUSTMENT: 0					VGSI DATA: NONE.									
4. MONITOR STATUS		PRIMARY NAVAID:																		HAT/HAA AT LEAST 1000 FEET, VISIBILITY 3 MILES AND PROCEDURE NA AT NIGHT PER VA AIRPORT AUTHORITY.											
		MONITOR POINT:																													
		HRS OPTN:		CAT 1																											
				CAT 3																"VISUAL PORTION OF FINAL" PENETRATIONS: 20:1 178 TREE (KAKQT0059) 365938.27N/0765951.79W (30.93) 169 TREE (KAKQT0055) 365941.22N/0765951.26W (7.03) 34:1 175 TREE (KAKQT0044) 365945.08N/0765954.69W (25.86) 170 TREE (KAKQT0048) 365943.48N/0765951.24W (23.02) 172 TREE (KAKQT0039) 365946.70N/0765953.25W (17.25) 165 TREE (KAKQT0045) 365943.36N/0765948.51W (16.47) 161 TREE (KAKQT0043) 365946.16N/0765956.33W (9.93) 172 TREE (KAKQT0024) 365950.48N/0765951.76W (5.46) 172 TREE (KAKQT0023) 365949.29N/0765945.75W (4.68) 179 TREE (KAKQT0011) 365953.19N/0765948.13W (2.23) 158 TREE (KAKQT0038) 365946.89N/0765950.90W (1.08) CIRCLING RWY 2: 20:1 143 TREE (KAKQT0357) 365850.29N/0770011.75W (16.00) 196 TREE (KAKQT0416) 365839.09N/0770012.21W (14.26) 142 TREE (KAKQT0362) 365850.17N/0770013.31W (12.58) 155 TREE (KAKQT0383) 365847.39N/0770014.46W (10.78) 136 TREE (KAKQT0356) 365851.33N/0770015.27W (9.89) 143 TREE (KAKQT0371) 365849.19N/0770015.96W (5.72) 200 TREE (KAKQT0436) 365838.82N/0770021.88W (5.56) 142 TREE (KAKQT0372) 365848.78N/0770014.28W (4.71) 145 TREE (KAKQT0380) 365847.31N/0770012.28W (2.96) 186 TREE (KAKQT0419) 365840.57N/0770020.01W (2.23) ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM CAT D: 3.71NM SEE ATTACHED AIRSPACE LETTER. XP=VA AIRPORT AUTHORITY											
5. APPROACH & RUNWAY LIGHTING		ALS																													
		(S) SALS																													
		MALS																													
		HIRL																													
		X		MIRL 02, 20																											
		REIL																													
		TDZ																													
		C/LINE																													
		OTHER (SPECIFY)																													
6. RUNWAY MARKINGS				BASIC																											
				ALL WEATHER																											
				INSTRUMENT NPI-F 02, 20																											
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: VICTOR B. NASO (DANIEL BOWMAN)										DATE: 04/17/2017																					
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5413																					

