

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		LPV: DA LNAV/VNAV: DA LNAV: RW02									
TYI VORTAC (IAF)		VINGR (NOPT) (TF) (FB) (RNP 1.00)		019.20 / 8.53		2000		CLIMB TO 2000 DIRECT POORK AND HOLD.									
TANGY (IAF)		VINGR (NOPT) (TF) (FB) (RNP 1.00)		289.86 / 8.10		2000											
VINGR (IF/IAF)		SLAAW (TF) (FB) (RNP 1.00)		018.76 / 6.72		2000											
SLAAW (FAF)		YOSKY/2.70 NM TO RW02 (TF) (FB) (RNP 0.30)		018.77 / 3.01													
YOSKY/2.70 NM TO RW02 (SEE FORM 8260-10)		RW02 (MAP) (TF) (FO) (RNP 0.30)		018.77 / 2.70				ADDITIONAL FLIGHT DATA: HOLD N, RT, 198.81 INBOUND. CHART FAS OBST: 247 TREE 361817N/0773850W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.05 NM TO RW02* *LNAV ONLY. WAAS CHANNEL # 78025 REFERENCE PATH ID: W02A CHART CIRCLING ICON. LTP HAE: 8.6 M									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. HOLD S VINGR, RT, 018.76 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																	
3. FAC: 018.77 FAF: SLAAW DIST FAF TO MAP: 5.71 THLD: 5.71																	
4. MIN. ALT: VINGR 2000, SLAAW 2000, YOSKY/2.70 NM TO RW02 1040*																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: 2000 GS ALT AT: SLAAW 2000 OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR																	
8. MSA FROM: RW02 2500																	
MAG VAR: 10W EPOCH YEAR: 2010																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		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	
LPV DA		394	7/8	250	394	7/8	250	394	7/8	250	394	7/8	250				
LNAV/VNAV DA		433	1	289	433	1	289	433	1	289	433	1	289				
LNAV MDA		500	1	356	500	1	356	500	1	356	500	1	356				
CIRCLING		560	1	415	600	1	455	760	1 3/4	615	860	2 1/4	715				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: CIRCLING NA E OF RWYS 2-20. (CONTINUED ON PAGE 2)																	
CITY AND STATE ROANOKE RAPIDS, NC		ELEVATION: 145 TDZE: 144 AIRPORT NAME: HALIFAX-NORTHAMPTON RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 2		SUP: AMDT: 1B DATED 04/28/2016									



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>ZDC, ARPT MGR</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
DANIEL D. OLSON (STEPHANIE BARBEE)				AJV-5423	01/11/2017
APPROVED BY					
NAME:				FIFO	DATE:
JULIE A. MORGANMANAGER				AJV-5420	
CHANGES:					
<div>1. REMOVED FKN VORTAC FEEDER SEGMENT.</div> <div>2. NEW FAS OBSTACLE.</div> <div>3. REMOVED BACKUP ALTIMETER NOTE.</div> <div>4. REMOVED VGSI INOP NOTE.</div> <div>5. LPV DA INCREASED ALL CATS FROM 391 TO 394; LNAV/VNAV DA INCREASED ALL CATS FROM 286 TO 289.</div> <div>6. CIRC CAT C MDA/HAA INCREASED FROM 600/455 TO 760/615; CAT D MDA/HAA INCREASED FROM 700/555 TO 860/715.</div> <div>7. ADDED VDP 1.05 NM TO RW02.</div> <div>8. CA ALTITUDE CHANGED FROM 391 TO 394 MSL.</div> <div>9. ADDED CHART CIRCLING ICON IN ADDITIONAL FLIGHT DATA.</div> <div>10. LPV ALL CATS VISIBILITIES CHANGED FROM 1 TO 7/8.</div> <div>11. DUFFI FEEDER REMOVED.</div> <div>12. BARO-VNAV HIGH TEMP NOTE CHANGED FROM 43C (109F) TO 54C (130F).</div> <div>13. CHANGES FROM AMDT 1A AND 1B HAVE BEEN INCORPORATED INTO THIS PROCEDURE.</div>					
REASONS:					
<div>1. FKN VOR DECOMMISSIONED, PER FPT.</div> <div>2., 5. UPDATED AIRPORT INFORMATION.</div> <div>3. LOCAL AWOS ON WMSCR AND FPT APPROVED RELIABILITY.</div> <div>4., 10. PREVIOUS 20:1 PENETRATION NO LONGER A FACTOR; P NOTAM NO LONGER APPLICABLE.</div> <div>5. CRITERIA CHANGED FROM THRESHOLD TO TOUCHDOWN ZONE ELEVATION.</div> <div>6., 9. NEW CIRCLING CRITERIA APPLIED.</div> <div>7. IN ACCORDANCE WITH 8260.3, PARA 253, A.</div> <div>8., 12. TDZE CHANGED FROM 141 TO 144.</div> <div>11. DUFFI FEEDER DECOMMISSIONED, PER FPT.</div> <div>12. STANDARD ISA USED; 5 YEAR WEATHER DATA UNAVAILABLE.</div> <div>13. PER FPT.</div>					

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW02 (MAP)	394 MSL (CA)	018.77	
394 MSL	POORK (DF) (FO) (RNP 1.00)		2000

NOTES, (CONT.):

CHART NOTE: RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON TYI VORTAC AIRWAY RADIALS 024 CW 096.

CITY AND STATE

ROANOKE RAPIDS, NC

ELEVATION: 145

TDZE: 144

AIRPORT NAME:

HALIFAX-NORTHAMPTON RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 2

SUP:

AMDT:

DATED: 04/28/2016

QUALITY
18
CHECKED

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

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIXA
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	361920.3765N
LTP/FTP LONGITUDE	0773811.9595W
LTP/FTP ELLIPSOIDAL HEIGHT	+00086
FPAP LATITUDE	362048.5600N
FPAP LONGITUDE	0773755.1200W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 8240B28E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00429
FPAP ORTHOMETRIC HEIGHT	+00429

CITY AND STATE

ROANOKE RAPIDS, NC

ELEVATION: 145

TDZE: 144

AIRPORT NAME:

HALIFAX-NORTHAMPTON RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 2

SUP:

AMDT: 1B

DATED: 04/28/2016

QUALITY
18
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <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:					
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		TYI VORTAC		VINGR		1. TOWER (37-002604)		360654.00N/0774227.00W		416 (2C)		1000		AT584		2000			
						2. TERRAIN		360542.00N/0774300.00W		130 (100)				AS1500		1600			
INITIAL		TANGY		VINGR		1. TOWER (37-002604)		360654.00N/0774227.00W		416 (2C)		1000		AT584		2000			
						3. TERRAIN		360554.00N/0774230.00W		127 (100)				AS1500		1600			
INTERMEDIATE		VINGR (IF/IAF)		SLAAW		4. TOWER (37-001436)		361102.00N/0774057.00W		522 (2C)		500		DG978		2000			
						5. TERRAIN		360554.00N/0774230.00W		127 (100)				AS1500		1600			
FINAL: LPV		SLAAW		RW02		6. TREE (KIXAT0081)		361900.18N/0773812.63W		200 (1A)		34:1				394/250			
FINAL: LNAV/VNAV		SLAAW		RW02		7. TREE		361852.97N/0773852.10W		245 (2C)		161		AC20		433/289			
FINAL: LNAV		SLAAW		YOSKY/2.70 NM TO RW02		8. AAO		361533.91N/0773849.30W		329 (2C)		250		DG461		1040			
FINAL: LNAV STEPDOWN		YOSKY/2.70 NM TO RW02		RW02		9. TREE (KIXAT0115)		361817.36N/0773849.51W		247 (1A)		250				500			
2. HOLD-IN-LIEU-OF-PT		VINGR		P-4		4. TOWER (37-001436)		361102.00N/0774057.00W		522 (2C)		1000		AT478		2000			
						10. TERRAIN		360642.00N/0774457.00W		140 (100)				AS1500		1600			
3. MISSED APPROACH	MAP:		DA / DA / RW02		POORK								ASC				2000		
	ELEV:		204/265/400				11. TOWER (37-001465)		362907.00N/0773623.00W		561 (2C)		1000				1600		
						12. TERRAIN		363418.00N/0773742.00W		220 (200)				AS1500		1700			
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	415	13. TREE (KIXAT0173)		361949.32N/0773910.70W		258 (2C)		300		560			
CATEGORY B		1.5 NM			450		455	13. TREE (KIXAT0173)		361949.32N/0773910.70W		258 (2C)		300		HAA		600	
CATEGORY C		1.7 NM			450		615	14. TOWER (37-001895)		362105.50N/0774041.30W		459 (1A)		300				760	
CATEGORY D		2.3 NM			550		715	15. TOWER (37-001448)		362305.00N/0773839.00W		499 (5D)		300		AC50		860	
CATEGORY E		4.5 NM			550														
5. MINIMUM SAFE ALTITUDES																			
PRIMARY NAVAID: RW02																			
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)			
360-360		TWR (37-001057)		269/09.8		1427 (3C)		2500											
CITY AND STATE				ELEVATION: 145				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION			
ROANOKE RAPIDS, NC				AIRPORT NAME: HALIFAX-NORTHAMPTON RGNL				RNAV				RNAV (GPS) RWY 2, AMDT 2				ASO			

PART B - SUPPLEMENTAL DATA											
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING				
RDU FSS ZDC ARTCC						N W S F A A A / C	OTHER: ASOS SOURCE: KIXA / KASJ DISTANCE: 0 / 22.55 HOURS REMOTE OPERATION: 0 / YES / 24 / YES				
SATISFACTORY ON:											
X	V	H	F	X	U	H	F	LOCATION: KIXA		ADJUSTMENT: 0 / 63	
4. MONITOR STATUS		PRIMARY NAVAID:									
		MONITOR POINT:									
		HRS OPTN:		CAT 1							
				CAT 3							
5. APPROACH & RUNWAY LIGHTING		ALS									
		(S) SALS									
		X		MALSR 20 (PCL)							
		X		HIRL 02 (PCL), 20 (PCL)							
				MIRL							
		X		REIL 02 (PCL)							
				TDZ							
				C/LINE							
		X		OTHER (SPECIFY) PAPI-2L 02 (PCL), 20 (PCL)							
6. RUNWAY MARKINGS			BASIC								
			ALL WEATHER PIR-F 20								
			INSTRUMENT NPI-F 02								
7. RUNWAY VISUAL RANGE			APPROACH								
			MIDFIELD								
			ROLL OUT								
8. GLIDE PATH			GP ANGLE: 3.00				ELEV RWY THRESHOLD: 140.8				
			DISTANCE FROM RWY:				ELEV GP ANTENNA:				
							THRESHOLD CROSSING HEIGHT: 40.0				
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD				FT. FROM THRESHOLD	
				X		ON CENTERLINE				FT. FROM CENTERLINE	
10. WAIVERS: NONE											
PART D - PREPARED BY: DANIEL D. OLSON (STEPHANIE BARBEE)								DATE: 01/11/2017			
TITLE: AERONAUTICAL INFORMATION SPECIALIST								OFFICE: AJV-5423			

PART C - REMARKS:		
PRECIPITOUS TERRAIN EVALUATION COMPLETED.		
VGSI DATA: 3.00/24.5.		
PER FPT APPROVAL, BACKUP ALTIMETER NOTES NOT PUBLISHED.		
AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION. CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 956 HIGH TEMP 1116.		
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. RASS PRESSURE PATTERNS SAME KIXA 145.0, KASJ 68.0 RA = 62.76.		
100' TREE HEIGHT PER FPT.		
CIRCLING RESTRICTED TO WEST OF AIRPORT, TO AVOID CITY OF HALIFAX, PER CHECKLIST REMARKS FROM FPT.		
LPV SURFACE: 34:1 LNAV/VNAV SURFACE: 23.41:1		
VISUAL PORTION OF FINAL PENETRATIONS:		
34:1 197 TREE (KIXAT0082) 361859.69N/0773813.72W (0.64) 200 TREE (KIXAT0081) 361900.18N/0773812.63W (5.48) 195 TREE (KIXAT0080) 361900.45N/0773813.66W (0.90) 196 TREE (KIXAT0075) 361901.36N/0773813.22W (4.73) 195 TREE (KIXAT0072) 361901.46N/0773811.76W (4.56) 195 TREE (KIXAT0070) 361902.04N/0773812.75W (5.90) 199 TREE (KIXAT0068) 361902.84N/0773814.20W (11.72) 195 TREE (KIXAT0064) 361903.33N/0773813.64W (9.37) 191 TREE (KIXAT0063) 361903.71N/0773814.44W (6.19) 185 TREE (KIXAT0061) 361904.10N/0773815.41W (0.98) 187 TREE (KIXAT0051) 361905.87N/0773816.00W (7.96) 187 TREE (KIXAT0049) 361906.63N/0773815.70W (10.31) 182 TREE (KIXAT0047) 361907.33N/0773816.72W (6.99) 169 TREE (KIXAT0044) 361909.01N/0773812.62W (0.43) INFORMATION SENT TO FPT.		
QUALITY 18 CHECKED		