

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		LP: RW09 LNAV: RW09					
PULPE (IF/IAF)		VROWS (FB)		092.79 / 6.00				2700		CLIMB TO 3000 DIRECT TAZHU AND HOLD.					
VROWS (FAF)		HIBOR/2.10 NM TO RW09 (FB)		092.88 / 3.05											
HIBOR/2.10 NM TO RW09		RW09 (MAP) (FO)		092.88 / 2.10											
RW09 (MAP)		1280 MSL		092.88											
1280 MSL		TAZHU (FO)						3000		ADDITIONAL FLIGHT DATA: HOLD E, RT, 273.12 INBOUND. CHART FAS OBST: 1204 TREE 400150N/0823058W CHART FAS OBST: 1029 TREE 400115N/0822916W OBST: 1390 AAO 400140N/0823446W WAAS CHANNEL # 57939 REFERENCE PATH ID: W09A VROWS TO RW09: 3.25/40. CHART CIRCLING ICON. LTP HAE: 235.2 M					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 6W EPOCH YEAR: 1990					
2. HOLD W PULPE, RT, 092.79 INBOUND, 3100 FT. IN LIEU OF PT (IAF)															
3. FAC: 092.88 FAF: VROWS DIST FAF TO MAP: 5.15 THLD: 5.15															
4. MIN. ALT: PULPE 3100, VROWS 2700, HIBOR/2.10 NM TO RW09 1640															
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: _____															
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
LP MDA	1280	1	396	1280	1	396	1280	1 1/8	396	1280	1 1/8	396			
LNAV MDA	1460	1	576	1460	1	576	1460	1 5/8	576	1460	1 5/8	576			
CIRCLING	1460	1	576	1480	1	596	1760	2 1/2	876	1760	2 3/4	876			
NOTES: CHART NOTE: NIGHT LANDING: RWY 9 NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)															
CITY AND STATE NEWARK, OH		ELEVATION: 884 TDZE: 884 AIRPORT NAME: NEWARK-HEATH		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG						SUP: AMDT: NONE DATED			

QUALITY
6
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input checked="" type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div><input checked="" type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> ZID, CMH APP CON, AMGR</div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
THOMAS L KIRKPATRICK				AJV-5422	04/06/2016
APPROVED BY Apr 06, 2016					
NAME:				FIFO	DATE:
GEORGE GONZALEZ				AJV-5420	
CHANGES:					
ORIGINAL PROCEDURE					
REASONS:					

QUALITY
6
CHECKED

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

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORT COLUMBUS INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET; INCREASE LP, LNAV AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	003/30 CW 183/30 (NOPT)	PULPE (IF/IAF) (FB)	3100
2.	183/30 CW 003/30	PULPE (IAF) (FO)	3100

QUALITY
6
CHECKED

CITY AND STATE
NEWARK, OH

ELEVATION: 884 TDZE: 884
AIRPORT NAME:
NEWARK-HEATH

FACILITY
IDENTIFIER:
RNAV

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

SUP:
AMDT: NONE
DATED:

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<input type="checkbox"/> YES <input type="checkbox"/> NO					
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:					

**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	KVTA
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	400127.7890N
LTP/FTP LONGITUDE	0822806.4985W
LTP/FTP ELLIPSOIDAL HEIGHT	+02352
FPAP LATITUDE	400132.5175N
FPAP LONGITUDE	0822610.6775W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.25
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 0D7984C8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02693
FPAP ORTHOMETRIC HEIGHT	+02693

QUALITY
6
CHECKED

CITY AND STATE NEWARK, OH	ELEVATION: 884 AIRPORT NAME: NEWARK-HEATH	TDZE: 884 NEWARK-HEATH	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG	SUP:
					AMDT: NONE
					DATED:

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<input type="checkbox"/> YES <input type="checkbox"/> NO					
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:					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KVTa

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
PULPE	010	PULPE	HF	FO		092.8			R			AA 03100		EE A
	010	PULPE	IF	FB								AA 03100		E I
	020	VROWS	TF	FB	1.0	092.8						AA 02700		E F
	021	HIBOR	TF	FB	0.3	092.9		3.25				AA 01640 GS 01648		E S
	030	RW09	TF	FO	0.3	092.9		3.25				AT 00923		GY M
	040		CA	FB		092.9						AA 01280		M
	050	TAZHU	DF	FO								AA 03000		EY
	060	TAZHU	HM	FO		273.1			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HIBOR	N400121.05	W0823050.28
PULPE	N400051.26	W0824235.89
TAZHU	N400204.75	W0821238.83
VROWS	N400111.15	W0823448.04

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW09	N400127.79	W0822806.50	00883	40

QUALITY
6
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CITY AND STATE NEWARK, OH	ELEVATION: 884 TDZE: 884	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG	SUP:
	AIRPORT NAME: NEWARK-HEATH			AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: <div>ATA<input type="checkbox"/> AAT<input type="checkbox"/> ALPA<input type="checkbox"/> APA<input type="checkbox"/> AOPA<input type="checkbox"/> NBAA<input type="checkbox"/> OTHER (specify) <input type="checkbox"/> _____</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	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.					
STRAIGHT-IN AREA		003/30 CW 183/30		PULPE		1. TOWER (39-000604)		400933.02N/0825522.74W		2028 (5D)		1000				3100					
						2. TERRAIN		402212.00N/0824227.00W		1414 (1400)				AS1500		2900					
STRAIGHT-IN AREA		183/30 CW 003/30		PULPE		3. TOWER (39-002817)		402015.22N/0823912.49W		1721 (2C)		1000		AT379		3100					
						4. TERRAIN		402233.00N/0823636.00W		1421 (1400)				AS1500		2900					
INTERMEDIATE		PULPE (IF/IAF)		VROWS		5. AAO		400251.37N/0824026.89W		1435 (2C)		500				2000					
						6. TERRAIN		400251.37N/0824026.89W		1235 (1200)				AS1500		2700					
FINAL: LP		VROWS		HIBOR/2.10 NM TO RW09		7. AAO		400114.84N/0823331.47W		1300 (2C)		250		RA56 DG34		1640					
FINAL: LP STEPDOWN		HIBOR/2.10 NM TO RW09		RW09		8. TREE (KVTAT0420)		400115.23N/0822915.64W		1029 (1A)		250				1280					
FINAL: LNAV		VROWS		HIBOR/2.10 NM TO RW09		7. AAO		400114.84N/0823331.47W		1300 (2C)		250		RA56 DG34		1640					
FINAL: LNAV STEPDOWN		HIBOR/2.10 NM TO RW09		RW09		9. TREE (KVTAT0440)		400150.29N/0823058.35W		1204 (1A)		250				1460					
2. HOLD-IN-LIEU-OF-PT		PULPE		P-5		10. TOWER (39-001219)		400334.00N/0824213.00W		1548 (5D)		1000		AT552		3100					
						11. TERRAIN		400339.00N/0824054.00W		1250 (1300)				AS1500		2800					
3. MISSED APPROACH	MAP:		RW09 / RW09		TAZHU						ASC				3000						
	ELEV:		1180/1360				12. TOWER (39-002058)		400145.00N/0822216.00W		1495 (5E)		1000		2500						
						13. TERRAIN		400127.00N/0822227.00W		1221 (1200)				AS1500		2700					
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.																	
CATEGORY A		1.3 NM		REQUIRED	ACTUAL	350		576		14. TREE (KVTAT0637)		400111.87N/0822538.12W		1125 (1A)		300		SI		1460	
CATEGORY B		1.5 NM				450		596		15. TREE (KVTAT0758)		400130.40N/0822505.17W		1179 (1A)		300				1480	
CATEGORY C		1.7 NM				450		876		16. TOWER (39-000102)		400201.00N/0822407.00W		1396 (1D)		300		AC50		1760	
CATEGORY D		2.3 NM				550		876		17. TOWER (39-000658)		400052.64N/0822240.15W		1448 (1A)		300				1760	
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		NEWARK, OH		ELEVATION: 884		AIRPORT NAME:		NEWARK-HEATH		FACILITY		RNAV		PROCEDURE AND AMENDMENT NO:		RNAV (GPS) RWY 9, ORIG		REGION		AGL	

QUALITY
6

CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:																							
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE					3. ALTIMETER SETTING					VDP NOT ESTABLISHED - OBSTACLE'S PENETRATE 20:1.																		
CMH APP CON ZID ARTCC DAY FSS							N W S		OTHER: ASOS					SOURCE:KVTA / KCMH					THRESHOLD DISPLACED 457 FEET. PRECIPITOUS TERRAIN EVALUATION COMPLETED. TERPS PARAGRAPH 289 APPLIED TO 1390 AAO 400140N/0823446W KVTA/KCMH ASOS ON SERVICE A. LPV AND LNAV/VNAV NOT DEVELOPED DUE TO GQS PENETRATIONS: 976 TREE (KVTAT0329) 40/0129.73N/ 0822833.70W (12.94) 971 TREE (KVTAT0324) 400126.82N/0822832.060W (12.18) 979 TREE (KVTAT0334) 400129.80N/0822835.060W (11.94) 961 TREE (KVTAT0311) 400124.26N/0822829.240W (9.96) 985 TREE (KVTAT0341) 400129.14N/0822838.290W (8.29) 959 TREE (KVTAT0320) 400125.59N/0822831.090W (2.78) ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.84NM CAT C: 2.89NM CAT D: 3.77NM SEE ATTACHED AIRSPACE LETTER. RASS PRESSURE PATTERNS SAME KVTA 884, KCMH 815 RA = 55.4. ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS: 20:1 (RW09) 898 RD (N) (KVTAT0202) 400124.99N/0822810.72W (7.45) 967 TREE (KVTAT0306) 400122.52N/0822828.47W (6.84) 9122 POLE (KVTAT0230) 400124.29N/0822814.57W (6.31) 898 RD (N) (KVTAT0209) 400125.29N/0822812.02W (2.48) 34:1 (RW09) 976 TREE (KVTAT0329) 400129.73N/0822833.70W (36.64) 979 TREE (KVTAT0334) 400129.80N/0822835.06W (36.54) 985 TREE (KVTAT0341) 400129.14N/0822838.29W (35.06) 971 TREE (KVTAT0324) 400126.82N/0822832.06W (34.93) 961 TREE (KVTAT0311) 400124.26N/0822829.24W (30.96) 980 TREE (KVTAT0344) 400130.34N/0822839.24W (28.08) 981 TREE (KVTAT0348) 400131.08N/0822840.69W (25.88) 959 TREE (KVTAT0320) 400125.59N/0822831.09W (24.95) 964 TREE (KVTAT0333) 400124.58N/0822834.58W (21.81) 948 TREE (KVTAT0318) 400124.39N/0822830.67W (14.72) 938 TREE (KVTAT0297) 400124.54N/0822827.30W (12.44) 950 TREE (KVTAT0327) 400124.34N/0822832.57W (12.37) 970 TREE (KVTAT0352) 400124.83N/0822841.41W (12.25) 960 TREE (KVTAT0340) 400131.24N/0822838.36W (10.23) 957 TREE (KVTAT0338) 400130.62N/0822837.30W (9.56) 919 POLE (KVTAT0258) 400128.56N/0822821.42W (7.51) 948 TREE (KVTAT0331) 400128.53N/0822834.24W (7.22) 926 POLE (KVTAT0280) 400130.13N/0822825.06W (6.44) 900 RD (N) (KVTAT0224) 400125.53N/0822813.37W (6.42) 920 POLE (KVTAT0265) 400129.17N/0822822.73W (5.62) 902 RD (N) (KVTAT0237) 400125.62N/0822815.13W (4.42) 901 RD (N) (KVTAT0233) 400125.70N/0822814.71W (4.39) 963 TREE (KVTAT0357) 400130.65N/0822843.63W (1.10) 925 TREE (KVTAT0293) 400127.07N/0822826.84W (0.89) 970 TREE (KVTAT0365) 400131.57N/0822846.92W (0.73) 913 TREE (KVTAT0262) 400124.10N/0822821.71W (0.14)														
																F A A		DISTANCE: 0 / 19.86															
																A / C		HOURS REMOTE OPERATION: 0 / 24															
SATISFACTORY ON:					LOCATION: KVTA					ADJUSTMENT: 0 / 56																							
4. MONITOR STATUS					PRIMARY NAVAID:																												
					MONITOR POINT:																												
					HRS OPTN:		CAT 1																										
							CAT 3																										
5. APPROACH & RUNWAY LIGHTING										ALS																							
										(S) SALS																							
										MALS																							
										HIRL																							
					X		MIRL 09 (PCL), 27 (PCL)																										
					X		REIL 09 (PCL), 27 (PCL)																										
										TDZ																							
										C/LINE																							
					X		OTHER (SPECIFY) PAPI-4L 09 PAPI-4R 27																										
6. RUNWAY MARKINGS					BASIC																												
					ALL WEATHER																												
					INSTRUMENT NPI-F 09, 27																												
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: THOMAS L KIRKPATRICK										DATE: 03/14/2016																							
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5422																							

QUALITY
6
CHECKED