

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: RW10							
TAPPA		DEGAY (TF) (FO) (RNP 2.00)		258.74 / 20.88			2000		CLIMBING RIGHT TURN TO 2000 DIRECT MODEL AND HOLD.							
DEGAY (IF/IAF)		FEMAR (TF) (FB) (RNP 1.00)		096.43 / 10.94			2000									
FEMAR (FAF)		NULLY/2.90 NM TO RW10 (TF) (FB) (RNP 0.30)		096.57 / 2.83					ADDITIONAL FLIGHT DATA: HOLD N, RT, 162.72 INBOUND. CHART FAS OBST: 262 TREE 375130N/0765446W CHART VDP AT 1.14 NM TO RW10. CHART CIRCLING ICON. FEMAR TO RW10: 3.00/40.							
NULLY/2.90 NM TO RW10		RW10 (MAP) (TF) (FO) (RNP 0.30)		096.57 / 2.90												
RW10 (MAP)		520 MSL (CA)		096.57			2000									
520 MSL		MODEL (DF) (FO) (RNP 1.00)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. HOLD W DEGAY, RT, 096.43 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																
3. FAC: 096.57 FAF: FEMAR DIST FAF TO MAP: 5.73 THLD: 5.73																
4. MIN. ALT: DEGAY 2000, FEMAR 2000, NULLY/2.90 NM TO RW10 1100																
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: RW10 2000																
MAG VAR: 11W 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	
LNAV MDA	540	1	405	540	1	405		NA			NA					
CIRCLING	580	1	445	640	1	505	820	2	685		NA					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT DEGAY ON V376 NORTH BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TAPPA ON V213 NORTHEAST BOUND AND ON V16-20-157 NORTHEAST BOUND. CHART NOTE: RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.																
CITY AND STATE TAPPAHANNOCK, VA		ELEVATION: 135 TDZE: 135 AIRPORT NAME: TAPPAHANNOCK-ESSEX COUNTY			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 2					SUP: AMDT: 1 DATED 09/25/2008				



ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE <div>ROUTINE</div>	
COORDINATED WITH: <div><div>ATA <input type="checkbox"/></div><div>AAT <input type="checkbox"/></div><div>ALPA <input checked="" type="checkbox"/></div><div>APA <input type="checkbox"/></div><div>AOPA <input checked="" type="checkbox"/></div><div>NBAA <input checked="" type="checkbox"/></div><div>OTHER (specify) <input checked="" type="checkbox"/> ZDC, PCT TRACON, ARPT MGR</div></div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY <i>Digitally signed by</i>					
NAME: <div>SCOTT BAGENSIE</div>				FIFO AJV-5433	DATE: 12/16/2016
APPROVED BY					
NAME: <div>DANA MITCHELL</div>				FIFO AJV-5433	DATE:
CHANGES: <div>1. CHANGED RNP VALUE DEGAY TO FEMAR FROM .50 TO 1.00. 2. CHANGED INTERMEDIATE SEGMENT LENGTH DEGAY TO FEMAR FROM 10.94 TO 11.02. 3. CHANGED FINAL SEGMENT MAP TO FEMAR FROM 5.64 TO 5.73. 4. ADDED STEPDOWN FIX (NULLY) IN FINAL TO LOWER MDA FROM 640 TO 540. 5. DELETED FIX (GUTME) FROM MISSED APPROACH ROUTE. 6. ADDED CHART CIRCLING ICON NOTE AND LOWERED CAT A CMDA FROM 640 TO 580 AND RAISED CAT C VISIBILITY FROM 1 1/2SM TO 2SM. 7. ADDED CHART VDP NOTE. 8. CHANGED CHART DESECNT ANGLE NOTE FEMAR TO RW10 FROM 3.05 TO 3.00. 9. UPDATED THE HELICOPTER VISIBILITY REDUCTION NOTE FROM "CHART NOTE: VISIBILITY REDUCTION BY HELICOPTER NA." TO "CHART NOTE: RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." 10. REMOVED ALTERNATE ALTIMETER NOTE AND PUBLISHED MINIMUMS NOTES ON 8260-9 REMARKS. 11. REMOVED NOT AUTHORIZED FOR ALTERNATE MINIMUMS AND PUBLISHED STANDARD. 12. AIRPORT ELEVATION CHANGED FROM 136 TO 135. 13. ADDED "CHART PROFILE NOTE" FOR NO PT REQUIRED AT DEGAY.</div>					
REASONS: <div>1. CHANGE IN ARINC CODING FOR INTERMEDIATE SEGMENT IAW 8260.58A 1-2-4 C / TABLE 1-2-1. 2, 3. CHANGED LOCATION OF PFAF IN IAW 8260.54A 1-3-1 F(2)C. 4. UPDATED AIRPORT SURVEY AND DESCENT ANGLE MATCHED THE VGSI ANGLE IAW 8260.3C PARA 252 C. 5. NO LONGER REQUIRED TO CODE MISSED APPROACH PATH. 6. UPDATED CIRCLING IAW 8260.3C PARA 260. 7, 9. RESULT OF AIRPORT REMOVING 20:1 PENETRATIONS TO THIS RUNWAY. 8. FINAL CHANGED TO FINAL DESCENT ANGLE FROM VGSI IAW 8260.3C 2-6-2A. 10, 11. AIRPORT ALTIMETER SOURCE IS ON WMSCR. 12. UPDATED AIRPORT INFORMATION. 13. IAW 8260.19G 8-2-5G, SEGMENT MEETS DESCENT GRADIENT AND STRAIGHT-IN ALIGNMENT.</div>					

QUALITY

16


CHECKED

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.	
FEEDER			TAPPA		DEGAY		1. TOWER (51-000229)		375205.94N/0770330.98W		480 (4D)	1000	AT520		2000	
							2. TERRAIN		375718.00N/0770315.00W		247 (200)		AS1500		1700	
INTERMEDIATE			DEGAY (IF/IAF)		FEMAR		1. TOWER (51-000229)		375205.94N/0770330.98W		480 (4D)	500	AT1020		2000	
							3. TERRAIN		374912.00N/0771557.00W		243 (200)		AS1500		1700	
FINAL: LNAV			FEMAR		NULLY/2.90 NM TO RW10		4. AAO		375136.00N/0770012.00W		407 (2C)	250	RA65 DG378		1100	
FINAL: LNAV STEPDOWN			NULLY/2.90 NM TO RW10		RW10		5. TREE (KXSAT095)		375129.80N/0765445.53W		262 (2C)	250	XP28		540	
			RW10													

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:			
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING			PRECIPITOUS TERRAIN EVALUATION COMPLETED.			
ZDC ARTCC DCA FSS PCT TRACON				N W S		OTHER: ASOS		SOURCE:KXSA / KFYJ		3. ALTIMETER SETTING: RASS PRESSURE PATTERNS SAME KXSA 135.2, KFYJ 20.3 KXSA - ASOS - ON WMSCR - 0 KFYJ - AWOS3 - ON WMSCR - 64.9			
				F A A				DISTANCE: 0 / 21.25					
				A / C				HOURS REMOTE OPERATION: Y / 24					
SATISFACTORY ON:				LOCATION: KXSA			ADJUSTMENT: 0 / 65			NO ALTERNATE NOTE PUBLISHED: MINIMUMS AVAILABLE BELOW: INCREASE ALL MDA 80FT AND INCREASE CAT C VISIBILITY TO 2 1/4. CHART NOTE: VDP NA WHEN USING WEST POINT ALTIMETER SETTING.			
X	V	H	F	X	U	H	F						
4. MONITOR STATUS		PRIMARY NAVAID:											
		MONITOR POINT:								FPT CHECKLIST: PROCEDURE DESIGNED WITH CAT A/B STRAIGHT-IN AND CAT A/B/C FOR CIRCLING PER FPT AND AMGR W/ADO CONCURRENCE. VEGETATION 100FT AIRPORT HAS 34:1 PENETRATIONS TO RWY 10. NO TAA DESIGNED PER ATC REQUEST.			
		HRS OPTN: CAT 1											
		CAT 3											
5. APPROACH & RUNWAY LIGHTING		ALS								VGSI DATA: 3.00/40.			
		(S) SALS											
		MALS											
		HIRL											
		X	MIRL 10, 28										
		X	REIL 10, 28										
		TDZ											
		C/LINE											
		X OTHER (SPECIFY) PAPI-2L 10, 28								ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM			
6. RUNWAY MARKINGS		BASIC											
		ALL WEATHER											
		INSTRUMENT NPI-P 10, 28											
7. RUNWAY VISUAL RANGE		APPROACH								258.00 TREE (KXSAT087) 375129.650N/0765441.030W (21.09)			
		MIDFIELD											
		ROLL OUT											
8. GLIDE PATH		GP ANGLE:					ELEV RWY THRESHOLD:			251.00 TREE (KXSAT058) 375129.550N/0765438.600W (20.98)			
		DISTANCE FROM RWY:					ELEV GP ANTENNA:						
		THRESHOLD CROSSING HEIGHT:											
9. FINAL APPROACH COURSE AIMING			X	RUNWAY THRESHOLD					FT. FROM THRESHOLD			240.00 TREE (KXSAT061) 375133.360N/0765435.430W (20.05)	
			X	ON CENTERLINE					FT. FROM CENTERLINE				
10. WAIVERS: NONE												"VISUAL PORTION OF FINAL" PENETRATIONS: LNAV: 34:1 256 TREE (KXSAT089) 375132.49N/0765439.32W (47.17) 258 TREE (KXSAT087) 375129.65N/0765441.03W (44.50) 251 TREE (KXSAT058) 375129.55N/0765438.60W (43.20) 248 TREE (KXSAT065) 375133.53N/0765438.28W (41.85) 250 TREE (KXSAT003) 375131.43N/0765438.99W (41.70) 246 TREE (KXSAT063) 375134.73N/0765437.88W (41.06) 240 TREE (KXSAT061) 375133.36N/0765435.43W (40.51) 244 TREE (KXSAT090) 375132.70N/0765437.13W (40.37) 241 TREE (KXSAT060) 375131.61N/0765436.03W (39.71) 239 TREE (KXSAT062) 375134.56N/0765435.49W (39.64) 245 TREE (KXSAT059) 375131.63N/0765437.89W (39.34) 262 TREE (KXSAT095) 375129.80N/0765445.53W (37.95) 253 TREE (KXSAT079) 375135.60N/0765442.63W (37.09) 253 TREE (KXSAT094) 375129.82N/0765442.45W (36.20) 242 TREE (KXSAT093) 375135.15N/0765439.17W (34.12) 232 TREE (KXSAT056) 375129.34N/0765435.08W (32.43) 235 TREE (KXSAT057) 375130.17N/0765436.60W (32.04) CONT.	
PART D - PREPARED BY: SCOTT BAGENSIE							DATE: 12/16/2016						
TITLE: AERONAUTICAL INFORMATION SPECIALIST							OFFICE: AJV-5433						



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL						
CATEGORY B	1.5 NM		450							
CATEGORY C	1.7 NM		450							
CATEGORY D	2.3 NM		550							
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

QUALITY
16
CHECKED

CITY AND STATE TAPPAHANNOCK, VA	ELEVATION: 135 AIRPORT NAME: TAPPAHANNOCK-ESSEX COUNTY	FACILITY RNAV	PROCEDURE AND AMENDMENT NO: RNAV (GPS) RWY 10, AMDT 2	REGION AEA
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PART B - SUPPLEMENTAL DATA										PART C - REMARKS: CONTINUED. 243 TREE (KXSAT066) 375135.18N/0765440.69W (31.56) 232 TREE (KXSAT124) 375135.40N/0765436.27W (31.00) 255 TREE (KXSAT082) 375135.03N/0765446.23W (30.49) 228 TREE (KXSAT072) 375130.88N/0765434.38W (30.42) 241 TREE (KXSAT088) 375130.68N/0765440.06W (30.02) 259 TREE (KXSAT097) 375129.76N/0765447.68W (29.89) 254 TREE (KXSAT123) 375136.24N/0765446.25W (29.72) 234 TREE (KXSAT064) 375136.16N/0765437.88W (29.39) 240 TREE (KXSAT092) 375134.31N/0765440.61W (28.55) 249 TREE (KXSAT101) 375130.02N/0765444.23W (28.06) 248 TREE (KXSAT081) 375134.59N/0765444.45W (27.58) 258 TREE (KXSAT130) 375136.14N/0765448.94W (27.37) 251 TREE (KXSAT096) 375130.80N/0765445.58W (27.06) 236 TREE (KXSAT091) 375133.70N/0765439.61W (26.76) 234 TREE (KXSAT047) 375125.72N/0765438.50W (25.56) 193 TREE (KXSAT017) 375132.81N/0765422.95W (22.74) 219 TREE (KXSAT073) 375132.32N/0765434.58W (21.28) 233 TREE (KXSAT048) 375127.34N/0765440.78W (19.57) 213 TREE (KXSAT055) 375129.00N/0765433.70W (16.60) 246 TREE (KXSAT098) 375131.04N/0765448.43W (15.41) 243 TREE (KXSAT137) 375135.52N/0765447.88W (14.72) 259 TREE (KXSAT110) 375126.91N/0765454.08W (14.19) 254 TREE (KXSAT109) 375127.89N/0765452.34W (13.50) 243 TREE (KXSAT106) 375128.08N/0765447.75W (13.34) 253 TREE (KXSAT119) 375132.20N/0765453.24W (11.36) 223 TREE (KXSAT083) 375125.83N/0765440.18W (10.64) 227 TREE (KXSAT100) 375128.81N/0765442.23W (10.49) 244 TREE (KXSAT099) 375131.30N/0765450.42W (8.79) 182 TREE (KXSAT018) 375132.60N/0765424.23W (8.68) 176 TREE (KXSAT039) 375129.74N/0765421.54W (8.36) 176 TREE (KXSAT030) 375128.58N/0765421.70W (7.72) 183 TREE (KXSAT025) 375128.34N/0765424.84W (7.28) 169 TREE (KXSAT032) 375129.77N/0765419.78W (5.51) 182 TREE (KXSAT020) 375131.60N/0765425.88W (4.58) 178 TREE (KXSAT026) 375128.78N/0765424.19W (3.91) 169 TREE (KXSAT016) 375132.17N/0765420.72W (3.84) 253 TREE (KXSAT139) 375126.12N/0765456.01W (3.47) 238 TREE (KXSAT111) 375126.46N/0765450.10W (2.45) 163 TREE (KXSAT014) 375131.10N/0765418.77W (2.19) 177 TREE (KXSAT019) 375133.36N/0765425.26W (1.43) 215 TREE (KXSAT122) 375134.03N/0765441.93W (0.38)	
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING				
SATISFACTORY ON:				N W S		OTHER:		SOURCE:			
								DISTANCE:			
								HOURS REMOTE OPERATION:			
V H F		U H F		H F		LOCATION:			ADJUSTMENT:		
4. MONITOR STATUS		PRIMARY NAVAID:									
		MONITOR POINT:									
		HRS OPTN:		CAT 1							
				CAT 3							
5. APPROACH & RUNWAY LIGHTING		ALS									
		(S) SALS									
		MALS									
		HIRL									
		MIRL									
		REIL									
		TDZ									
		C/LINE									
		OTHER (SPECIFY)									
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				RUNWAY THRESHOLD				FT. FROM THRESHOLD			
				ON CENTERLINE				FT. FROM CENTERLINE			
10. WAIVERS:											
PART D - PREPARED BY:						DATE:					
TITLE:						OFFICE:					

