

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										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		MAP: RW27									
										CLIMB TO 2000 ON ENO VORTAC R-264 TO JOSEM/14.41 DME AND HOLD.									
										ADDITIONAL FLIGHT DATA: HOLD W, RT, 083.91 INBOUND. FAS OBST: 192 TANK 391347N/0753525W 220 AAO 391251N/0753112W CHART CIRCLING ICON. SMYRNA VORTAC TO RW27: 3.08/55. CHART DOVER AFB ATIS.									
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																			
2. HOLD E ENO VORTAC, RT, 268.40 INBOUND, 1500 FT. IN LIEU OF PT (IAF)																			
3. FAC 268.40 FAF ENO VORTAC DIST FAF TO MAP 3.67 THLD 3.67																			
4. MIN. ALT ENO VORTAC 1300																			
8. MSA FROM: ENO VORTAC 1700										MAG VAR: 9W EPOCH YEAR: 1965									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X									
CATEGORY =====>		A			B			C			D			E					
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
S-27		480	1	425	480	1	425	480	1 1/4	425	480	1 1/4	425						
CIRCLING		520	1	465	820	1	765	820	2 1/4	765	820	2 1/2	765						
NOTES: CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON ENO VORTAC AIRWAY RADIALS R-031, R-044, R-063 AND R-095. CHART NOTE: USE DOVER AFB ALTIMETER SETTING.																			
CITY AND STATE DOVER/CHESWOLD, DE		ELEVATION: 55 TDZE: 55 AIRPORT NAME:  DELAWARE AIRPARK			FACILITY IDENTIFIER: ENO			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 27, ORIG							SUP AMDT NONE DATE				



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> ZDC, DOV APP CON, 33N AMGR.			
FLIGHT CHECKED BY					
NAME: Pending				FIFO	DATE:
DEVELOPED BY Digitally signed by					
NAME: KEVIN KESZLER				FIFO AJV-5423	DATE: 06/02/2017
APPROVED BY					
NAME: JULIE A. MORGAN				FIFO AJV-5420	DATE:
CHANGES:					
REASONS:					



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:																								
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE					3. ALTIMETER SETTING					VDP NOT ESTABLISHED - REMOTE ALTIMETER USED.																			
ZDC ARTCC DOV APP CON							N W S		OTHER: ATIS			SOURCE:KDOV					PRECIPITOUS TERRAIN EVALUATION COMPLETED.																	
							F A A					DISTANCE: 8.09																						
							A / C					HOURS REMOTE OPERATION: 24/NO																						
SATISFACTORY ON:					LOCATION: KDOV					ADJUSTMENT: 23					NO VGSI.																			
4. MONITOR STATUS					PRIMARY NAVAID: ENO VORTAC					"VISUAL PORTION OF FINAL" PENETRATIONS: 34:1 130 TREE (K33NT1101) 391322.30N/0753513.06W (32.07) 127.70 TREE (K33NT002954) 391322.631N/0753513.851W (31.24) 129 TREE (K33NT002566) 391322.37N/0753513.14W (31.19) 136 TREE (K33NT002613) 391322.09N/0753509.74W (30.88) 131 TREE (K33NT002590) 391322.29N/0753511.41W (29.42) 114 TREE (K33NT002501) 391320.49N/0753517.68W (27.86) 126 TREE (K33NT002577) 391321.34N/0753512.02W (26.58) 128 TREE (K33NT1122) 391322.23N/0753511.43W (26.51) 133 TREE (K33NT002629) 391318.93N/0753507.51W (25.64) 118 TREE (K33NT1056) 391321.61N/0753515.28W (25.58) 120 TREE (K33NT002546) 391321.48N/0753514.20W (25.30) 130 TREE (K33NT1143) 391322.24N/0753509.54W (24.31) 125 TREE (K33NT002585) 391319.97N/0753510.57W (23.53) 118 TREE (K33NT1073) 391321.46N/0753514.19W (23.29) 106.10 TREE (K33NT002953) 391320.619N/0753519.229W (23.28) 104 T-L TWR (10-020425) 391319.35N/0753519.67W (23.24) 130 TREE (K33NT1148) 391318.86N/0753507.45W (22.56) 124 TREE (K33NT002588) 391321.26N/0753510.96W (22.30) 124 TREE (K33NT1123) 391321.23N/0753510.88W (22.15) 105 TREE (K33NT002474) 391320.55N/0753519.14W (22.04) 105 TREE (K33NT0987) 391320.57N/0753519.10W (21.94) 129 TREE (K33NT002633) 391321.16N/0753508.11W (21.06) 113 TREE (K33NT002530) 391320.09N/0753514.84W (20.90) 124 TREE (K33NT002601) 391320.34N/0753509.93W (20.80) 135 TREE (K33NT002690) 391323.12N/0753505.94W (20.58) 103 T-L TWR (10-020434) 391317.51N/0753517.99W (20.09) 101 10-020425 POLE (K33NT002455) 391319.39N/0753519.57W (19.99) 104.90 TREE (K33NT002952) 391321.189N/0753518.459W (19.89) 117 TREE (K33NT1096) 391320.86N/0753512.74W (19.59) 115 TREE (K33NT002549) 391319.88N/0753513.25W (19.55) 131 TREE (K33NT002664) 391324.37N/0753507.76W (19.55) 127 TREE (K33NT1149) 391321.13N/0753508.20W (19.29) 105 TREE (K33NT002498) 391319.48N/0753517.45W (19.21) 118 TREE (K33NT002574) 391320.41N/0753511.84W (18.97) 104.84 TREE (K33NT002950) 391320.509N/0753517.714W (18.76) 120 TREE (K33NT1121) 391319.97N/0753510.57W (18.53) 115 TREE (K33NT002558) 391318.13N/0753511.95W (18.16) 128 TREE (K33NT1156) 391324.43N/0753508.49W (18.12) 121 TREE (K33NT1135) 391322.84N/0753510.68W (17.33) 105 TREE (K33NT1028) 391321.25N/0753517.23W (17.21) 114 TREE (K33NT002559) 391320.85N/0753512.97W (17.11) 112 TREE (K33NT1076) 391315.80N/0753511.92W (17.09) 105 TREE (K33NT002511) 391321.42N/0753517.20W (17.00) 102 T-L TWR (10-020443) 391315.72N/0753516.35W (16.98) 109 TREE (K33NT1053) 391320.15N/0753514.77W (16.69) 128 TREE (K33NT1165) 391324.41N/0753507.76W (16.51) 121 TREE (K33NT1138) 391319.49N/0753508.99W (16.44) 128 TREE (K33NT1167) 391316.45N/0753504.63W (16.37) 110 TREE (K33NT002540) 391320.64N/0753514.20W (16.01) CONT.																								
					MONITOR POINT: AOCC																													
					HRS OPTN:		CAT 1		24																									
		CAT 3																																
5. APPROACH & RUNWAY LIGHTING					ALS																													
					(S) SALS																													
					MALS																													
					HIRL																													
					X		MIRL 09 (PCL), 27 (PCL)																											
					REIL																													
					TDZ																													
					C/LINE																													
					OTHER (SPECIFY)																													
6. RUNWAY MARKINGS					BASIC																													
					ALL WEATHER																													
					INSTRUMENT NPI-G 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: KEVIN KESZLER										DATE: 06/02/2017																								
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5423																								



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							

[illegible]

CITY AND STATE <b>DOVER/CHESWOLD, DE</b>	<b>ELEVATION: 55</b> <b>AIRPORT NAME:</b> <b>DELAWARE AIRPARK</b>	FACILITY <b>ENO VORTAC</b>	PROCEDURE AND AMENDMENT NO: <b>VOR RWY 27, ORIG</b>	REGION <b>AEA</b>
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PART B - SUPPLEMENTAL DATA										PART C - REMARKS:	
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING			CONTINUED. 107 TREE (K33NT002527) 391321.76N/0753515.83W (15.67) 122 TREE (K33NT002622) 391320.24N/0753508.44W (15.58) 103 TREE (K33NT1025) 391320.05N/0753516.91W (15.52) 126 TREE (K33NT1159) 391320.29N/0753506.50W (15.24) 118 TREE (K33NT002600) 391317.15N/0753508.86W (15.15) 117 TREE (K33NT1125) 391323.42N/0753511.71W (15.12) 130 TREE (K33NT1183) 391319.24N/0753504.11W (14.83) 130 TREE (K33NT002699) 391319.23N/0753504.07W (14.75) 98 TREE (K33NT002951) 391318.718N/0753518.278W (14.70) 120 TREE (K33NT002614) 391321.28N/0753509.34W (14.69) 108 TREE (K33NT002535) 391317.91N/0753513.44W (14.66) 128 TREE (K33NT002684) 391322.16N/0753505.99W (14.51) 129 TREE (K33NT1177) 391323.17N/0753505.92W (14.49) 126 TREE (K33NT002663) 391316.36N/0753504.65W (14.49) 98 TREE (K33NT002476) 391318.68N/0753518.14W (14.42) 98 TREE (K33NT0997) 391319.71N/0753518.40W (14.12) 98 TREE (K33NT002481) 391319.65N/0753518.37W (14.10) 97 10-020434 POLE (K33NT002470) 391317.49N/0753517.94W (13.99) 109 TREE (K33NT002547) 391317.09N/0753512.35W (13.94) 129 TREE (K33NT1186) 391318.07N/0753503.52W (13.52) 102 TREE (K33NT002518) 391321.01N/0753516.56W (12.93) 125 TREE (K33NT002665) 391320.43N/0753505.96W (12.92) 122 TREE (K33NT1154) 391318.40N/0753506.46W (12.76) 109 TREE (K33NT1087) 391314.78N/0753510.90W (12.69) 99 TREE (K33NT002503) 391315.37N/0753515.58W (12.57) 127 TREE (K33NT002693) 391324.54N/0753506.48W (12.57) 98 TREE (K33NT1012) 391315.80N/0753516.04W (12.22) 122 TREE (K33NT002644) 391319.29N/0753506.51W (12.11) 111 TREE (K33NT1108) 391320.43N/0753511.86W (12.00) 106 TREE (K33NT1070) 391316.60N/0753512.61W (11.93) 118 TREE (K33NT002623) 391316.94N/0753507.29W (11.85) 115 TREE (K33NT002603) 391316.08N/0753508.28W (11.78) 102 TREE (K33NT1042) 391321.76N/0753516.24W (11.58) 122 TREE (K33NT002653) 391317.51N/0753505.53W (11.46) 108 TREE (K33NT002560) 391315.58N/0753511.05W (11.34) 114 TREE (K33NT1128) 391318.58N/0753509.47W (11.28) 106 TREE (K33NT1077) 391319.64N/0753513.27W (10.80) 123 TREE (K33NT002668) 391318.55N/0753505.08W (10.57) 125 TREE (K33NT002694) 391316.74N/0753503.44W (10.48) 103 TREE (K33NT1058) 391318.57N/0753514.04W (10.42) 105 TREE (K33NT1072) 391322.64N/0753514.67W (10.35) 105 TREE (K33NT002548) 391322.59N/0753514.63W (10.30) 123 TREE (K33NT1172) 391321.81N/0753506.18W (10.23) 125 TREE (K33NT1181) 391324.10N/0753506.12W (10.14) 123 TREE (K33NT1174) 391318.67N/0753504.88W (10.03) 122 TREE (K33NT1168) 391319.36N/0753505.57W (9.97) 123 TREE (K33NT002677) 391317.67N/0753504.44W (9.90) 117 TREE (K33NT002631) 391323.13N/0753509.18W (9.76) 104 TREE (K33NT002542) 391316.10N/0753512.29W (9.65) 107 TREE (K33NT002562) 391316.67N/0753511.14W (9.61) 118 TREE (K33NT002637) 391322.24N/0753508.27W (9.50) 124 TREE (K33NT002691) 391320.33N/0753504.73W (9.28) 120 TREE (K33NT1158) 391317.47N/0753505.43W (9.27) 102 TREE (K33NT1063) 391317.92N/0753513.47W (8.71) 122 TREE (K33NT002679) 391321.15N/0753505.64W (8.60) 123 TREE (K33NT1179) 391316.71N/0753503.42W (8.46) 124 TREE (K33NT002703) 391318.44N/0753503.62W (8.43) 121 TREE (K33NT002669) 391319.60N/0753505.36W (8.30) 103 TREE (K33NT002545) 391318.78N/0753513.08W (8.12) 114 TREE (K33NT1144) 391316.99N/0753507.31W (7.85) 91 TREE (K33NT0989) 391318.67N/0753518.31W (7.81) 94 TREE (K33NT1013) 391315.39N/0753515.66W (7.73) 106 TREE (K33NT1109) 391315.31N/0753509.88W (6.98) 92 TREE (K33NT002497) 391316.08N/0753516.14W (6.20) 117 TREE (K33NT1163) 391323.66N/0753507.59W (5.78) CONT.	
				N W S			OTHER:				SOURCE:
				F A A							DISTANCE:
				A / C							HOURS REMOTE OPERATION:
SATISFACTORY ON:				LOCATION:			ADJUSTMENT:				
4. MONITOR STATUS		V H F		U H F		H F					
		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:			



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							

[illegible]

CITY AND STATE DOVER/CHESWOLD, DE	ELEVATION: 55 AIRPORT NAME: DELAWARE AIRPARK	FACILITY ENO VORTAC	PROCEDURE AND AMENDMENT NO: VOR RWY 27, ORIG	REGION AEA
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PART B - SUPPLEMENTAL DATA										PART C - REMARKS: <b>CONTINUED.</b> 104 TREE (K33NT002565) 391319.25N/0753511.74W (5.74) 108 TREE (K33NT1129) 391317.25N/0753508.94W (5.24) 109 TREE (K33NT002604) 391318.34N/0753508.85W (5.11) 118 TREE (K33NT1178) 391325.04N/0753506.63W (3.47) 92 TREE (K33NT002516) 391315.62N/0753514.62W (3.23) 112 TREE (K33NT002639) 391318.10N/0753506.49W (3.08) 116 TREE (K33NT002680) 391323.60N/0753506.71W (2.88) 106 TREE (K33NT1132) 391316.08N/0753508.28W (2.78) 100 TREE (K33NT1097) 391315.64N/0753510.73W (2.58) 112 TREE (K33NT1155) 391322.73N/0753508.03W (2.55) 95 TREE (K33NT002533) 391316.90N/0753513.36W (2.34) 91 TREE (K33NT1034) 391315.58N/0753514.63W (2.28) 119 TREE (K33NT002717) 391317.57N/0753502.74W (2.22) 113 TREE (K33NT002660) 391322.50N/0753507.03W (1.53) 107 TREE (K33NT002615) 391319.52N/0753508.51W (1.35) 98 TREE (K33NT1093) 391317.62N/0753511.63W (0.89) 103 TREE (K33NT002594) 391319.07N/0753509.88W (0.77) 106 TREE (K33NT1140) 391323.88N/0753510.31W (0.62) 101 TREE (K33NT002582) 391316.31N/0753509.61W (0.53) 92 TREE (K33NT002529) 391320.94N/0753515.32W (0.24) 96 TREE (K33NT1084) 391318.88N/0753512.68W (0.14)  ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM CAT D: 3.70NM  SEE ATTACHED AIRSPACE LETTER. RASS PRESSURE PATTERNS SAME K33N 54.9, KDOV 24 RA = 23.  ORDER 8260.3 CHAPTER 2 APPLIED TO 220 AAO 391251N/0753112W.  TALLEST SHIP IN THE DELAWARE RIVER 188 FEET PER FPT  VEGETATION 100 FEET PER FPT.		
1. COMMUNICATIONS WITH:		2. WEATHER SERVICE			3. ALTIMETER SETTING							
SATISFACTORY ON:			N W S	OTHER:		SOURCE:						
			F A A			DISTANCE:						
			A / C			HOURS REMOTE OPERATION:						
	V H F		U H F		H F	LOCATION:			ADJUSTMENT:			
4. MONITOR STATUS		PRIMARY NAVAID:										
		MONITOR POINT:										
		HRS	CAT 1									
		OPTN:	CAT 3									
5. APPROACH & RUNWAY LIGHTING												
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:						

