

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> KOIN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> OBERLIN	<u>STATE</u> KS		
<u>AIRPORT ELEVATION</u> 2707	<u>TDZE</u> 2707	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 10/15/2015	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 AUGUST 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 084/30 CW 264/30	NOPT	INARM	IF/IAF	6500
2. 264/30 CW 084/30		INARM	IF/IAF	6500

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
INARM	IF/IAF	PACEY		TF	FB	1.00	174.47	7.50	4400
PACEY	FAF	STIPE/1.97 NM TO RW17		TF	FB	0.30	174.47	3.20	
STIPE/1.97 NM TO RW17		RW17	MAP	TF	FO	0.30	174.47	1.97	
RW17	MAP	2957 MSL		CA			174.47		
2957 MSL		IBEDE		DF	FO	1.00			6500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6500 DIRECT IBEDE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6500

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD N INARM, LT, 174.47 INBOUND, 6500 FT. IN LIEU OF PT (IAF), MAX 14000

3. FAF: 174.47 FAF: PACEY DIST FAF TO MAP: 5.18 DIST FAF TO THLD: 5.18

4. MIN ALT: INARM 6500, PACEY 4400, STIPE/1.97 NM TO RW17 3380

5. DIST TO THLD FROM FAF: 5.18 MM: IM: 150 HAT: 250 HAT: 0.64 GS ANT:

6. MIN GP INCPT: 4400 GP ALT AT FAF : PACEY 4400 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH: 44.6

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS

NOTES:

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: STRAIGHT-IN RWY 17 NA AT NIGHT, CIRCLING RWY 12, 17, 30 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD S, LT, 354.47 INBOUND
CHART FAS OBST: 2751 RIG (20-041109) 395035N/1003209W
WAAS CHANNEL # 63037
REFERENCE PATH ID: W17A
CHART CIRCLING ICON
LTP HAE: 800.5 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD; NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	2957	1	250	2957	1	250	2957	1	250		NA				
LNAV/VNAV DA	2957	1	250	2957	1	250	2957	1	250		NA				
LNAV MDA	3020	1	313	3020	1	313	3020	1	313		NA				
CIRCLING	3160	1	453	3340	1	633	3340	1 3/4	633		NA				



CHANGES - REASONS

ADDED TAA DATA TO FORM 8260-3 PAGE ONE - UPDATED TO CURRENT CRITERIA
AMENDED TERMINAL ROUTE INTERMEDIATE SEGMENT FROM "INARM (IF/IAF) TO PACEY (FB) 174.47 / 7.50 AT 4400" TO "INARM IF/IAF TO PACEY TF FB 1.00 174.47 7.82 AT 4400" - ADDED LEG TYPE AND FO/FB DATA IAW 8260.19I 8-6-4 B(1)
AMENDED TERMINAL ROUTE FINAL SEGMENT FROM "PACEY (FAF) TO STIPE/2.04 NM TO RW17 (FB) 174.47 / 3.14" TO "PACEY FAF TO STIPE/1.97 NM TO RW17 TF FB 0.30 174.47 3.20 AT 3380" - ADDED LEG TYPE AND FO/FB DATA IAW 8260.19I 8-6-4 B(1)
AMENDED TERMINAL ROUTE FINAL STEPDOWN SEGMENT FROM "STIPE/2.04 NM TO RW17 TO RW17 (MAP) (FO) 174.47 / 2.04" TO "STIPE/1.97 NM TO RWY17 TO RW17 MAP TF FO 0.30 174.47 1.97" - ADDED LEG TYPE AND FO/FB DATA IAW 8260.19I 8-6-4 B(1)
AMENDED TERMINAL ROUTE MISSED APPROACH SEGMENT FROM "RWY 17 (MAP) TO 3026 MSL 174.47" TO "RW17 MAP 2957 MSL CA 174.47" - 8260.19I 8-6-4 A(6)(C) AND 4-6-5 D
AMENDED TERMINAL ROUTE MISSED APPROACH SEGMENT FROM "3026 MSL TO IBEDE (FO) AT 6500" TO "3026 MSL TO IBEDE DF FO 1.00 AT 6500" - ADDED LEG TYPE AND FO/FB DATA IAW 8260.19I 4-6-5 E
AMENDED PROFILE LINE 2 FROM "HOLD N INARM, LT, 174.47 INBOUND, 6500 FT. IN LIEU OF PT (IAF)" TO "HOLD N INARM, LT, 174.47 INBOUND, 6500 FT. IN LIEU OF PT (IAF), MAX 14000" - 8260.19I 8-6-7 B(2)(A)
AMENDED PROFILE LINE 4 FROM "MIN. ALT: INARM 6500, PACEY 4400, STIPE/2.10 NM TO RW17 3400*" TO "MIN ALT: INARM 6500, PACEY 4400, STIPE/1.97 NM TO RW17 3380" - 8260.19I 8-6-7 D(3) AND (5)
ADDED TO PROFILE LINE 5 "DIST TO THLD FROM FAF: 5.18" - 8260.19I 8-6-7 E
RELOCATED AND AMENDED FROM ADDITIONAL FLIGHT DATA TO PROFILE LINE 5 "DIST TO THLD FROM 319 HAT: 0.86" TO "DIST TO THLD FROM 250 HAT: 0.64" - 8260.19I 8-6-7 E(3)
ADDED TO PROFILE LINE 7 "20:1 IS NOT CLEAR" AND "TCH: 44.6" - 8260.19I 8-6-7 G(2) AND (3)(A)
ADDED TO PBN REQUIREMENTS NOTE "RNP APCH - GPS" - 8260.19I 8-6-8 B(2)
ADDED NOTE "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C" - 8260.19I 8-6-10 R
ADDED NOTE "CHART NOTE: STRAIGHT-IN RWY 17 NA AT NIGHT, CIRCLING RWY 12, 17, 30 NA AT NIGHT" - 8260.19I 8-6-11 O(2)
DELETED NOTE "CHART NOTE: DME/DME RNP 0.3 NA" - 8260.19I 1-1-5 F(18)
DELETED SECONDARY ALTIMETER NOTE - RELOCATED TO FORM 8260-9 FOR CONTINGENCY PURPOSES
DELETED NOTE "*LNAV ONLY" - 8260.19I 1-1-5 F(12)
DELETED NOTE "CHART NOTE: BARO-VNAV NA" - ON SITE PRIMARY ALTIMETER SETTING NOW AVAILABLE
DELETED FROM ADDITIONAL FLIGHT DATA "CHART MCCOOK ASOS" - NO LONGER NEEDED AND 8260.19I 8-2-4 B(3)
AMENDED ADDITIONAL FLIGHT DATA FROM "LTP HAE: 800.6" TO "LTP HAE: 800.5" - 8260.19I APP K 4L
AMENDED FAS DATA LTP/FTP COORDINATES FROM "395027.5275N/1003224.3320W" TO "395027.5270N/1003224.3360W" - UPDATED AIRNAV DATA
AMENDED FAS DATA LTP/FTP ELLIPSOIDAL HEIGHT FROM "+08006" TO "+08005" - UPDATED AIRNAV DATA RELOCATING LTP/FTP COORDINATES
AMENDED FPAP COORDINATES FROM "394858.3600N/1003225.2805W" TO "394858.3590/1003225.2770W" - UPDATED AIRNAV DATA AND TARGETS BUILD DATA
AMENDED FAS DATA LENGTH OFFSET FROM "1680" TO "1440" - UPDATED AIRNAV DATA AND TARGETS BUILD DATA
AMENDED CRC REMAINDER FROM "1C22B119" TO "CE613B75" - UPDATED AIRNAV DATA AND TARGETS BUILD DATA RELOCATING LTP/FTP COORDINATES AND FPAP COORDINATES
AMENDED LTP AND FPAP ORTHOMETRIC HEIGHTS FROM ""+08251" TO "+08250" - UPDATED AIRNAV DATA AND TARGETS BUILD DATA

COORDINATED WITH:

A4A ☐ ALPA ☐ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDV, GLD FSS, HLC FSS, KS STATE AERO

FLIGHT CHECKED BY		Digitally signed by	OFFICE	DATE	
KARL KUEHNER		LONNIE EVERHART	FICO	06/22/2021	
		Jun 24, 2021			
DEVELOPED BY		Digitally signed by	OFFICE	DATE	
KELLY CARLSON		LONNIE EVERHART	AJV-A430	03/17/2021	
		Jun 24, 2021			
APPROVED BY		Digitally signed by	OFFICE	DATE	TITLE
LONNIE EVERHART		LONNIE EVERHART	AJV-A430		MANAGER
		Jun 24, 2021			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOIN
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	395027.5270N
LTP/FTP LONGITUDE	1003224.3360W
LTP/FTP ELLIPSOIDAL HEIGHT	+08005
FPAP LATITUDE	394858.3590N
FPAP LONGITUDE	1003225.2770W
THRESHOLD CROSSING HEIGHT (TCH)	00044.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	CE613B75

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+08250
FPAP ORTHOMETRIC HEIGHT	+08250