

**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> KVYS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> PERU	<u>STATE</u> IL		
<u>AIRPORT ELEVATION</u> 654	<u>TDZE</u> 650	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 10/15/2015	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 NOVEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
BDF VORTAC		MRKWL		TF	FO	1.00	093.39	19.79	2500
SMARS	IAF	MRKWL	NOPT	TF	FB	1.00	280.71	13.29	2500
MRKWL	IF/IAF	JODYS		TF	FB	1.00	002.57	6.12	2300
JODYS	FAF	COYAR/2.00 NM TO RW36		TF	FB	0.30	002.57	3.09	
COYAR/2.00 NM TO RW36		RW36	MAP	TF	FO	0.30	002.57	2.00	
RW36	MAP	900 MSL		CA			002.57		
900 MSL		JITSA		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT JITSA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD S MRKWL, RT, 002.57 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 002.57FAF: JODYSDIST FAF TO MAP: 5.09DIST FAF TO THLD: 5.09

4. MIN ALT: MRKWL 2500, JODYS 2300, COYAR/2.00 NM TO RW36 1300

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.70GS ANT:

6. MIN GP INCPT: 2300GP ALT AT PFAF : JODYS 2300OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM: RW36 3100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BDF VORTAC AIRWAY RADIALS 058 CW 085.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SMARS ON T325 SOUTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 182.57 INBOUND.
CHART FAS OBST: 710 TOWER 411926N/0890904W.
CHART VDP AT 1.07 NM TO RW36.
WAAS CHANNEL # 82037
REFERENCE PATH ID: W36A
CHART CIRCLING ICON.
LTP HAE: 161.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 1/2, 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	900	1	250	900	1	250	900	1	250	900	1	250			
LNAV/VNAV DA	900	1	250	900	1	250	900	1	250	900	1	250			
LNAV MDA	1020	1	370	1020	1	370	1020	1	370	1020	1	370			
CIRCLING	1120	1	466	1240	1	586	1260	1 3/4	606	1460	2 1/2	806			



CHANGES - REASONS

1. ADDED PBN EQUIPMENT NOTE: RNP APCH - GPS AND REMOVED DME/DME RNP -0.3 - 8260.19I 8-6-8.
2. ADDED CHART NOTE 20:1 IS CLEAR - 8260.19I 8-6-7.
3. ADDED CHART CIRCLING ICON - 8260.19I 8-6-10.
4. UPDATED CHART NOTE: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C (4°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" -8260.19I 8-6-9.
5. UPDATED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS AT BDF VORTAC ON AIRWAY RADIALS 058 CW 093" TO PROCEDURE NA FOR ARRIVALS ON BDF VORTAC AIRWAY RADIALS 058 CW 085 - 8260.19I 8-2-5.
6. UPDATED CHART PLANVIEW NOTE FROM "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SMARS ON V9-V128 SOUTHBOUND" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SMARS ON T325 SOUTHEAST BOUND" - 8260.19I 8-2-5.
7. REMOVED BACKUP ALTIMETER AND ASSOCIATED NA NOTE - MOVED TO -9 AS A A CONTINGENCY.
8. UPDATED NOTE FROM "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV AND LNAV TO CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY - 8260.19I 8-6-11.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAU, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE**DATE**

Digitally signed by
CASIMIR L TABAKA
Sep 02, 2022

DEVELOPED BY

CASEY HILL

Digitally signed by
CASIMIR L TABAKA

OFFICE

AJV-A432

DATE

05/31/2022

APPROVED BY

CASIMIR TABAKA

Jul 12, 2022

Digitally signed by
CASIMIR L TABAKA
Jul 12, 2022

OFFICE

AJV-A430

DATE

TITLE
MANAGER

QUALITY
10
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KVYS
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	412037.0475N
LTP/FTP LONGITUDE	0890910.8330W
LTP/FTP ELLIPSOIDAL HEIGHT	+01613
FPAP LATITUDE	412206.1925N
FPAP LONGITUDE	0890911.7210W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	7631320B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01943
FPAP ORTHOMETRIC HEIGHT	+01943

