

**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 18	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> PERU	<u>STATE</u> IL		
<u>AIRPORT ELEVATION</u> 654	<u>TDZE</u> 654	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<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

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
BDF VORTAC		JITSA		TF	FO	1.00	043.04	30.31	2500
KELSI		JITSA		TF	FO	1.00	314.04	9.77	2500
SHOOF	IAF	JITSA	NOPT	TF	FB	1.00	199.18	13.06	2500
JITSA	IF/IAF	FIREP		TF	FB	1.00	182.57	6.10	2300
FIREP	FAF	HORAH/1.97 NM TO RW18		TF	FB	0.30	182.57	3.08	
HORAH/1.97 NM TO RW18		RW18	MAP	TF	FO	0.30	182.57	1.97	
RW18	MAP	926 MSL		CA			182.57		
926 MSL		MRKWL		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT MRKWL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD N JITSA, RT, 182.57 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 182.57 **FAF:** FIREP **DIST FAF TO MAP:** 5.04 **DIST FAF TO THLD:** 5.04
- 4. **MIN ALT:** JITSA 2500, FIREP 2300, HORAH/1.97 NM TO RW18 1320
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **272 HAT:** 0.73 **GS ANT:**
- 6. **MIN GP INCPT:** 2300 **GP ALT AT PFAF:** FIREP 2300 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 40.0
- 8. **MSA FROM:** RW18 3100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BDF VORTAC AIRWAY RADIALS 058 CW 085.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SHOOF ON V6 EASTBOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KELSI ON V38 EASTBOUND AND V10 NORTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 002.57 INBOUND.
 CHART FAS OBST: 765 BUILDING (17-028152) 412227N/0890934W.
 CHART VDP AT 1.02 NM TO RW18.
 WAAS CHANNEL # 86937
 REFERENCE PATH ID: W18A
 CHART CIRCLING ICON.
 LTP HAE: 166.4 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		
	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	939	1	285	939	1	285	939	1	285	939	1	285			
LNAV/VNAV DA	926	1	272	926	1	272	926	1	272	926	1	272			
LNAV MDA	1020	1	366	1020	1	366	1020	1	366	1020	1	366			
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 NA - 8260.191 8-6-8.
2. ADDED CHART CIRCLING ICON - 8260.191 8-6-10.
3. TERMINAL ROUTES: UPDATED LPV MINIMUMS FROM 904/250 TO 939/285 - NEW CONTROLLING OBSTACLE.
4. TERMINAL ROUTES: UPDATED LNAV FINAL DISTANCE FOR FIREP TO HORAH/1.97 FROM 3.04 TO 3.08 - NEW HORAH LOCATION REQUESTED BY FPT.
5. TERMINAL ROUTES: UPDATED LNAV STEPDOWN FINAL DISTANCE FROM 2.00 TO 1.97 - NEW HORAH LOCATION REQUESTED BY FPT.
6. REMOVED BACKUP ALTIMETER AND ASSOCIATED NA NOTE - MOVED TO -9 AS A CONTINGENCY NOTE.
7. UPDATED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 8260.191 8-6-11.
8. ADDED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C - 8260.191 8-6-9.
9. ADDED CHART NOTE 20:1 IS CLEAR - 8260.191 8-6-7.
10. UPDATED HEIGHT ABOVE TOUCHDOWN FROM 250 HAT: 0.66 NM TO 272 HAT: 0.73 - 8260.191 8-6-7.
11. ADDED PROFILE VIEW LINE 2 MAX ALT 6000 - MISSING FROM LAST AMENDMENT.
12. UPDATED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVAL ON BDF VORTAC AIRWAY RADIALS 003 CW 085" TO "PROCEDURE NA FOR ARRIVAL ON BDF VORTAC AIRWAY RADIALS 058 CW 085" - 8260.191 8-2-5.
13. UPDATED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS AT KELSI ON V38 EASTBOUND AND V10 SOUTHWEST BOUND" TO "PROCEDURE NA FOR ARRIVALS AT KELSI ON V38 EASTBOUND AND V10 NORTHEAST BOUND" - 8260.191 8-2-5.

COORDINATED WITH:

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

FLIGHT CHECKED BY

MICHAEL A GREENWOOD

Digitally signed by

CASIMIR L TABAKA

Sep 02, 2022

OFFICE

FPO

DATE

08/31/2022

DEVELOPED BY

CASEY HILL

Digitally signed by

CASEY D HILL

Jul 05, 2022

OFFICE

AJV-A432

DATE

05/23/2022

APPROVED BY

CASIMIR TABAKA

Digitally signed by

CASIMIR L TABAKA

Jul 12, 2022

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KVYS
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	412136.3175N
LTP/FTP LONGITUDE	0890911.4175W
LTP/FTP ELLIPSOIDAL HEIGHT	+01664
FPAP LATITUDE	412007.1730N
FPAP LONGITUDE	0890910.5300W
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	119D93A9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01994
FPAP ORTHOMETRIC HEIGHT	+01994

