

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> 3LF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> LITCHFIELD	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 691	<u>TDZE</u> 686	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 07/18/2019
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 JANUARY 2024	<u>REQUIRED EFFECTIVE DATE</u> 01/25/2024	<u>MAG VAR</u> 1E
				<u>EPOCH YEAR</u> 1990
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
DAYRE		NECIY		TF	FB	1.00	282.35	11.57	3000
NECIY	IAF	KUYLE	NOPT	TF	FB	1.00	268.83	5.00	3000
LITCH	IAF	KUYLE	NOPT	TF	FB	1.00	117.26	5.48	3000
KUYLE	IF/IAF	JINVO		TF	FB	1.00	178.75	6.06	2300
JINVO	FAF	RW18	MAP	TF	FO	0.30	178.77	4.94	
RW18	MAP	952 MSL		CA			178.77		
952 MSL		OREPE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT OREPE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD N KUYLE, RT, 178.75 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 178.77

FAF: JINVO

DIST FAF TO MAP: 4.94

DIST FAF TO THLD: 4.94
4. MIN ALT: KUYLE 3000, JINVO 2300
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

266 HAT: 0.71

GS ANT:
6. MIN GP INCPT: 2300

GP ALT AT FAF: JINVO 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 2300



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING TAYLORVILLE ALTIMETER SETTING.
CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DAYRE ON V191 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LITCH ON V69 NORTHEAST BOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAYLORVILLE ALTIMETER SETTING AND INCREASE LPV DA TO 1025 FEET AND ALL VISIBILITIES 1/8 SM, INCREASE LNAV/VNAV DA TO 1146 FEET AND ALL VISIBILITIES 1/4 SM, INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C 1/8 SM.
CHART SPEED ICON IN PLANVIEW AT NECIY: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 358.75 INBOUND.
FAS OBST: 870 AAO 391354N/0894048W.
CHART VDP AT 1.29 NM TO RW18.
WAAS CHANNEL # 58203
REFERENCE PATH ID: W18A
LTP HAE: 177.6 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	952	7/8	266	952	7/8	266	952	7/8	266		NA				
LNAV/VNAV DA	1073	1 1/8	387	1073	1 1/8	387	1073	1 1/8	387		NA				
LNAV MDA	1120	1	434	1120	1	434	1120	1 1/4	434		NA				

CHANGES - REASONS

1. TERMINAL ROUTES/PROFILE LINE 3: JINVO-RW28 COURSE/RW18-952 MSL COURSE/FAC CHANGED FROM 178.76 TO 178.77. - AIRNAV DATA FOR RWY CHANGED AND PFAF RELOCATION.
2. TERMINAL ROUTES: REMOVED VLA VORTAC FEEDER AND IF KUYLE-JINVO COURSE/DIST CHANGED FROM 178.76/6.12 TO 178.75/6.06. - MOVED PFAF IAW CURRENT CRITERIA.
3. PROFILE: LINE 2; ADDED MAX 6000, LINE 3; CHANGED DIST FAF TO MAP/THLD FROM 4.88 TO 4.94, LINE 5; ADDED 266 HAT: 0.71, LINE 7; ADDED 20:1 IS CLEAR. - IAW 8260.19I 8-6-7, FPT REQUEST, PFAF RELOCATION, NEW MINIMUMS, AND 20:1 OBSTS CLEARED.
4. PBN REQUIREMENTS NOTE: CHANGED FROM RNP APCH TO RNP APCH-GPS. - IAW 8260.19I 8-6-8.
5. NOTES: ADDED PROCEDURE NA FOR ARRIVALS AT DAYRE ON V191 NORTHEAST BOUND AND PROCEDURE NA FOR ARRIVALS AT LITCH ON V69 NORTHEAST BOUND AND CHART SPEED ICON IN PLANVIEW AT NECIY: MAX 210 KIAS. - IAW 8260.19I 8-6-9 AND AIRSPEED RESTRICTION TO FACILITATE TURN AFTER NECIY-KUYLE 5.00 NM LEG.
6. NOTES: CHANGED NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAYLORVILLE ALTIMETER SETTING AND INCREASE ALL DA 73 FEET AND ALL MDA 80 FEET. INCREASE LPV ALL CATS VISIBILITY TO 1 1/8 SM AND LNAV CAT C VISIBILITY TO 1 3/8 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAYLORVILLE ALTIMETER SETTING AND INCREASE LPV DA TO 1025 FEET AND ALL VISIBILITIES 1/8 SM, INCREASE LNAV/VNAV DA TO 1146 FEET AND ALL VISIBILITIES 1/4 SM, INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C 1/8 SM" - IAW 8260.19I 8-6-9 AND IAW 8260.3E TABLE 3-3-1.
7. ADDITIONAL FLIGHT DATA: REMOVED DIST TO THLD FROM 312 HAT: 0.85 NM, REMOVED 779 FAS OBST, CHANGED FAS OBST FROM 846 TANK TO 870 AAO, AND CHANGED VDP FROM "CHART VDP AT 1.23 MILES TO RW18* *LNAV ONLY" TO "CHART VDP AT 1.29 NM TO RW18". - IAW 8260.19I 8-6-10 AND VDP EVALUATED WITH CURRENT CRITERIA.
8. MINIMUMS: CHANGED LPV FROM 997/312/1SM TO 952/266/ 7/8SM AND LNAV/VNAV FROM 1112/427/ 1 1/2SM TO 1073/387/ 1 1/8SM. - NEW CONTROLLING OBSTS AND IAW 8260.3E TABLE 3-3-1.
9. FAS DATA: CRC REMAINDER CHANGED FROM D0336760 TO 0372D3F3. - LTP LAT/LONG CHANGED FROM 390947.6585N/0894020.5070W TO 390947.6560N/0894020.5040W, AND FPAP CHANGED FROM 390818.4800N/0894020.0300W TO 390818.4755N/0894020.0425W.



COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER:

ZKC, STL APP CON, IL STATE AVIATION DIR, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by

ERIC N SUSKI

Nov 02, 2023

OFFICE

DATE

DEVELOPED BY

ERIC N SUSKI (ANDRE TUCKER)

Digitally signed by

ERIC N SUSKI

Nov 01, 2023

OFFICE

AJV-A431

DATE

09/05/2023

APPROVED BY

ERIC N SUSKI

Digitally signed by

ERIC N SUSKI

Nov 01, 2023

OFFICE

AJV-A430

DATE

01/25/2024

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	3LF
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	390947.6560N
LTP/FTP LONGITUDE	0894020.5040W
LTP/FTP ELLIPSOIDAL HEIGHT	+01776
FPAP LATITUDE	390818.4755N
FPAP LONGITUDE	0894020.0425W
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	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	0372D3F3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02089
FPAP ORTHOMETRIC HEIGHT	+02089

