

**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> D42	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> SPRINGFIELD	<u>STATE</u> MN	
<u>AIRPORT ELEVATION</u> 1073	<u>TDZE</u> 1073	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 07/21/2016	<u>MAG VAR</u> 2E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GOPEC		ZIVLO		TF	FO	1.00	016.98	16.07	2900
PILYI	IAF	ZIVLO	NOPT	TF	FB	1.00	074.43	9.38	2900
RWF VOR/DME	IAF	ZIVLO	NOPT	TF	FB	1.00	206.29	7.03	2900
ZIVLO	IF/IAF	APREF		TF	FB	1.00	129.78	7.00	2600
APREF	FAF	OCIVY/1.60 NM TO RW13		TF	FB	0.30	129.86	3.08	
OCIVY/1.60 NM TO RW13		RW13	MAP	TF	FO	0.30	129.86	1.60	
RW13	MAP	1473 MSL		CA			129.86		
1473 MSL		UWGAG		DF	FO	1.00			2900

MISSED APPROACH

MAP:

LP: RW13
LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2900 DIRECT UWGAG AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAM AMDTS ORIG-A AND ORIG-B.
2. CIRCLING CAT B MDA/HAA INCREASED FROM 1660/587 TO 1820/747. - NEW CIRCLING RADII APPLIED IAW 8260.3D.
3. REMOVED CHART NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE: RNP APCH. - IAW 8260.58A TABLE 1-2-1.
4. CHANGED CA ALTITUDE FROM 1472 TO 1473. - AIRPORT ELEVATION CHANGED FROM 1472 TO 1473.
5. CHANGED CHART NOTE FROM: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED TO: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. - IAW 8260.19H 8-6-11 K(3).
6. UPDATED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT UPDATED TO VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - IAW 8260.19H 8-6-9 M(2).
7. CHANGED LP FAS OBSTACLE FROM: 1189 TREE 441424N/0950049W TO: 1152 TREE 441416N/0950045W. - NEW OBSTACLE EVALUATION.
8. CHANGED LNAV FAS OBSTACLE FROM: 1199 TREE 441445N/0950044W TO: 1176 TREE 441520N/0950152W. - NEW OBSTACLE EVALUATION.
9. ADDED PROFILE LINE 7: 20:1 IS CLEAR. - NO 20:1 PENETRATIONS.
10. UPDATED BACKUP ALTIMETER CHART NOTE FROM "USE REDWOOD FALLS ALTIMETER SETTING; WHEN NOT RECEIVED, USE NEW ULM ALTIMETER SETTING" TO "USE REDWOOD FALLS ALTIMETER SETTING." - CONTINGENCY ALTIMETER MOVED TO 8260-9 REMARKS IAW 8260.19H 8-6-9 F(3).
11. FAS DATA: LTP/FTP LATITUDE/LONGITUDE UPDATED FROM 441403.0320N/0950013.5070W TO 441403.0475N/0950013.5125W. - NEW AIRNAV DATA INCORPORATED.
12. FAS DATA: FPAP LATITUDE/LONGITUE UPDATED FROM 441303.4900N/0945841.3200W TO 441303.4945N/0945841.3425W. - NEW FPAP LOCATION.
13. FAS DATA: CRC REMAINDER UPDATED FROM 9BDF8E30 TO 2AEB8862. - LTP/FTP AND FPAP LATITUDE/LONGITUDE UPDATED.
14. PROFILE LINE 2: HOLD-IN-LIEU MAX ALTITUDE 6000 ADDED. - UPDATED FORMS.
15. ADDITIONAL FLIGHT DATA: CHART CIRCLING ICON ADDED. - NEW CIRCLING RADII APPLIED IAW 8260.3D AND DOCUMENTED IAW 8260.19I.
16. UPDATED CHART PLANVIEW NOTE: FROM "PROCEDURE NA FOR ARRIVAL ON RWF VOR/DME AIRWAY RADIALS 103 CW 283" TO "PROCEDURE NA FOR ARRIVAL ON RWF VOR/DME AIRWAY RADIALS 195 CW 283." - IAW 8260.3D 11-2-2 B(2)A.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZMP, RWF FSS.

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-1000) MEMO, DATED JUNE 4, 2020,
SUBJECT: FLIGHT INSPECTION OF NEW CONTROLLING OBSTACLES.

OFFICE

Digitally signed by

JON DENTON

DATE

Digitally signed by

JON DENTON

Nov 30, 2020

OFFICE

AJV-A432

Nov 30, 2020

DATE

09/25/2020

DEVELOPED BY

WARDELL HENNING (BARBARA GORMAN)

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Nov 30, 2020

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	D42
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	441403.0475N
LTP/FTP LONGITUDE	0950013.5125W
LTP/FTP ELLIPSOIDAL HEIGHT	+02986
FPAP LATITUDE	441303.4945N
FPAP LONGITUDE	0945841.3425W
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	1712
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	2AEB8862

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03263
FPAP ORTHOMETRIC HEIGHT	+03263

