

**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><b>AIRPORT ID</b></u><br>KGFK       | <u><b>PROCEDURE NAME</b></u><br>RNAV (GPS) RWY 17R | <u><b>ORIGINAL/AMENDMENT</b></u><br>1A                 | <u><b>CITY</b></u><br>GRAND FORKS                | <u><b>STATE</b></u><br>ND         |                             |                                  |
| <u><b>AIRPORT ELEVATION</b></u><br>845 | <u><b>TDZE</b></u><br>843                          | <u><b>SUPERSEDED</b></u><br>RNAV (GPS) RWY 17R         | <u><b>ORIGINAL/AMENDMENT</b></u><br>1            | <u><b>DATED</b></u><br>01/03/2019 | <u><b>MAG VAR</b></u><br>6E | <u><b>EPOCH YEAR</b></u><br>1985 |
| <u><b>FACILITY</b></u><br>RNAV         | <u><b>COORDINATES OF FACILITIES</b></u>            | <u><b>ACTUAL EFFECTIVE DATE</b></u><br>2 NOVEMBER 2023 | <u><b>REQUIRED EFFECTIVE DATE</b></u><br>ROUTINE | <u><b>CANCEL/SUSPEND</b></u>      |                             |                                  |

**TERMINAL ROUTES**

| <u><b>FROM</b></u> | <u><b>FIX TYPE</b></u> | <u><b>TO</b></u> | <u><b>FIX TYPE</b></u> | <u><b>LEG TYPE</b></u> | <u><b>FO/FB</b></u> | <u><b>RNP</b></u> | <u><b>COURSE</b></u> | <u><b>DISTANCE</b></u> | <u><b>ALTITUDE</b></u> |
|--------------------|------------------------|------------------|------------------------|------------------------|---------------------|-------------------|----------------------|------------------------|------------------------|
| EYWUS              |                        | WIXAG            |                        | TF                     | FB                  | 1.00              | 276.20               | 5.01                   | 2600                   |
| GFK VOR/DME        |                        | FODIB            |                        | TF                     | FO                  | 1.00              | 354.83               | 11.84                  | 2600                   |
| WIXAG              | IAF                    | FODIB            | NOPT                   | TF                     | FB                  | 1.00              | 264.14               | 6.60                   | 2600                   |
| WUTSO              | IAF                    | FODIB            | NOPT                   | TF                     | FB                  | 1.00              | 180.83               | 5.92                   | 2600                   |
| FODIB              | IF/IAF                 | RULLO            |                        | TF                     | FB                  | 1.00              | 174.02               | 6.53                   | 2500                   |
| RULLO              | FAF                    | RW17R            | MAP                    | TF                     | FO                  | 0.30              | 174.02               | 5.04                   |                        |
| RW17R              | MAP                    | 1043 MSL         |                        | CA                     |                     |                   | 174.02               |                        |                        |
| 1043 MSL           |                        | ERIXE            |                        | DF                     | FO                  | 1.00              |                      |                        | 2600                   |

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW17R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2600 DIRECT ERIXE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

|  |                        |                  |                       |                        |         |
|--|------------------------|------------------|-----------------------|------------------------|---------|
| 1. PT  | SIDE OF COURSE         | OUTBOUND         | FT WITHIN             | MILES OF               | (IAF)   |
| 2. HOLD N FODIB, RT, 174.02 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000. |                        |                  |                       |                        |         |
| 3. FAC:  | 174.02                 | FAF: RULLO       | DIST FAF TO MAP: 5.04 | DIST FAF TO THLD: 5.04 |         |
| 4. MIN ALT:  | FODIB 2600, RULLO 2500 |                  |                       |                        |         |
| 5. DIST TO THLD FROM OM:   | MM:                    | IM:              | 150 HAT:              | 200 HAT: 0.46          | GS ANT: |
| 6. MIN GP INCPT:   | 2500                   | GP ALT AT PFAF : | RULLO 2500            | OM:                    | MM:     |
| 7. GP ANGLE:   | 3.00                   | 34:1: IS CLEAR   | 20:1: IS CLEAR        | TCH: 53.1              | IM:     |
| 8. MSA FROM:   | RW17R 3300             |                  |                       |                        |         |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV NA WHEN USING CROOKSTON ALTIMETER SETTING.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.  
CHART NOTE: VDP NA WITH CROOKSTON ALTIMETER SETTING.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CROOKSTON ALTIMETER SETTING AND INCREASE ALL DA 62 FT AND ALL MDA 80 FT AND INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/8 SM, LNAV CATS C/D VISIBILITY 1/8 SM, AND CIRCLING CAT C VISIBILITY 1/4 SM.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EYWUS ON V171 NORTHEAST BOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WUTSO ON T407 NORTHBOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON GFK VOR/DME AIRWAY RADIAL 071 WESTBOUND AND ON AIRWAY RADIAL 270 EASTBOUND.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 354.02 INBOUND.  
CHART FAS OBST: 915 TREE (38-027230) 475849N/0971116W.  
CHART VDP AT 0.89 NM TO RW17R.  
WAAS CHANNEL # 63199  
REFERENCE PATH ID: W17A  
CHART CIRCLING ICON.  
LTP HAE: 230.2 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       | 1043   | 3/4 | 200     | 1043   | 3/4 | 200     | 1043   | 3/4   | 200     | 1043   | 3/4 | 200     |        |     |         |
| LNAV/VNAV DA | 1093   | 3/4 | 250     | 1093   | 3/4 | 250     | 1093   | 3/4   | 250     | 1093   | 3/4 | 250     |        |     |         |
| LNAV MDA     | 1180   | 1   | 337     | 1180   | 1   | 337     | 1180   | 1     | 337     | 1180   | 1   | 337     |        |     |         |
| CIRCLING     | 1260   | 1   | 415     | 1300   | 1   | 455     | 1400   | 1 1/2 | 555     | 1400   | 2   | 555     |        |     |         |

**CHANGES - REASONS**

1. TERMINAL ROUTE EYWUS TO WIXAG CHANGED RNP VALUE FROM 2.00 TO 1.00 - IAW 8260.19I 4-6-10.F.
2. TERMINAL ROUTE GFK VOR/DME TO FODIB CHANGED RNP VALUE FROM 2.00 TO 1.00 - IAW 8260.19I 4-6-10.F.
3. NOTES SECTION ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON GFK VOR/DME AIRWAY RADIAL 071 WESTBOUND AND ON AIRWAY RADIAL 270 EASTBOUND." - IAW 8260.19I.
4. NOTES SECTION CHANGED NOTE FROM "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WUTSO ON V181 NORTHBOUND." TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WUTSO ON T407 NORTHBOUND." - PER CURRENT EVALUATION.
5. CHANGED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I 8-6-8.B(2).
6. ADDITIONAL FLIGHT DATA REMOVED \*LNAV ONLY. - IAW 8260.19I.
7. ADDITIONAL FLIGHT DATA REMOVED ASTERISK FROM "CHART VDP AT 0.89 NM TO RW17R" - IAW 8260.19I.
8. FAS DATA BLOCK CHANGED HAL VALUE FROM "35.0" TO "40.0" - IAW 8260.19I APPENDIX K.4.W.
9. FAS DATA BLOCK CHANGED VAL VALUE FROM "40.0" TO "35.0" - IAW 8260.19I APPENDIX K.4.X.
10. FAS DATA BLOCK CRC REMAINDER CHANGED FROM "CF083809" TO "34F45164" - IAW 8260.19I AND HAL/VAL CHANGES LISTED ABOVE.

**COORDINATED WITH:**

~~A4A~~ ☒ ~~ALPA~~ ☒ ~~AOPA~~ ☒ ~~APA~~ ☒ ~~HAI~~ ☐ ~~NBAA~~ ☒ **OTHER:** GFK ATCT, GFK APP CON, ZMP, AMGR

**FLIGHT CHECKED BY**

GLEN B FREEMAN

**DEVELOPED BY**

NEERAJ VERMA

**APPROVED BY**

RAKE MCGRAW

*Digitally signed by*

**RAKE MCGRAW**

Aug 14, 2023

**OFFICE**

FPO

**DATE**

08/11/2023

*Digitally signed by*

**RAKE MCGRAW**

Jul 17, 2023

**OFFICE**

AJV-A422

**DATE**

06/28/2023

*Digitally signed by*

**RAKE MCGRAW**

Aug 14, 2023

**OFFICE**

AJV-A422

**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                       | KGFK          |
| RUNWAY                                   | RW17R         |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W17A          |
| LTP/FTP LATITUDE                         | 475733.2835N  |
| LTP/FTP LONGITUDE                        | 0971052.4095W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | +02302        |
| FPAP LATITUDE                            | 475604.2395N  |
| FPAP LONGITUDE                           | 0971052.4545W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00053.1       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.00         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 0512          |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0          |
| VERTICAL ALERT LIMIT (VAL)               | 35.0          |
| CRC REMAINDER                            | 34F45164      |

ADDITIONAL PATH POINT RECORD INFORMATION

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K3     |
| LTP ORTHOMETRIC HEIGHT  | +02569 |
| FPAP ORTHOMETRIC HEIGHT | +02569 |

