US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WEGEE	MUKFU (FB)	082.17 / 33.10	3000
ABB VORTAC	OBEMY (FB)	298.52 / 26.31	3000
MUKFU (IAF)	LOFWU (NOPT) (FB)	013.43 / 6.50	2500
OBEMY (IAF)	LOFWU (NOPT) (FB)	253.52 / 6.50	2500
LOFWU (IF/IAF)	AGOSE (FB)	313.44 / 4.87	2400
AGOSE (FAF)	OYEGI/2.10 NM TO RW31 (FB)	313.37 / 3.03	
(SEE FORM 8260-10)			

MISSED APPROACH

LP: RW31
LNAV: RW31

CLIMB TO 2500 DIRECT KOXVU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 133.23 INBOUND.
CHART FAS OBST: 860 TOWER 384942N/0862506W
WAAS CHANNEL # 97525
REFERENCE PATH ID: W31A
AGOSE TO RW31: 3.00/44
LTP HAE: 187.4 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE LOFWU, RT, 313.44 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 313.37 FAF: AGOSE DIST FAF TO MAP: 5.13 THLD: 5.13
4. MIN. ALT: LOFWU 2500, AGOSE 2400, OYEGI/2.10 NM TO RW31 1420
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW31 2500

MAG VAR: 4W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1160	1	437	1160	1	437	1160	1 1/4	437	1160	1 1/4	437			
LNAV MDA	1160	1	437	1160	1	437	1160	1 1/4	437	1160	1 1/4	437			
CIRCLING	1220	1	493	1220	1	493	1220	1 1/2	493	1280	2	553			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WEGEE ON V305 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ABB VORTAC AIRWAY RADIALS 214 CW 351.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

4

CITY AND STATE	ELEVATION: 727 THRE: 723	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BEDFORD, IN	AIRPORT NAME: VIRGIL I GRISSOM MUNI		RNAV (GPS) RWY 31, ORIG 25 AUG 2011	AMDT: NONE DATED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OYEGI/2.10 NM TO RW31	RW31 (MAP) (FO)	313.34 / 2.10	
RW31 (MAP)	1127 MSL	313.34	
1127 MSL	KOXVU (FO)		2500

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BLOOMINGTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, AND INCREASE LNAV AND LP CATS C AND D VISIBILITY 1/8 MILE.
CHART NOTE: PROCEDURE NA AT NIGHT.

QUALITY 4 CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBFR
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	385015.8995N
LTP/FTP LONGITUDE	0862625.8215W
LTP/FTP ELLIPSOIDAL HEIGHT	+01874
FPAP LATITUDE	385112.4000N
FPAP LONGITUDE	0862754.0600W
THRESHOLD CROSSING HEIGHT (TCH)	00043.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	B4D94F26

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02205
FPAP ORTHOMETRIC HEIGHT	+02205

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ABB   K5011240VTLA N38351982W085380957    N38351982W085380957E0010007101     NARNABB

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AGOSE K50    W     N38470065W086212143                    W0040     NAR           AGOSE
        SUSAEAENRT   KOXVU K50    W     N38570423W086370484                    W0038     NAR           KOXVU
        SUSAEAENRT   LOFWU K50    W     N38435485W086163272                    W0041     NAR           LOFWU
        SUSAEAENRT   MUKFU K50    W     N38372974W086175434                    W0040     NAR           MUKFU
        SUSAEAENRT   OBEMY K50    W     N38461169W086084582                    W0042     NAR           OBEMY
        SUSAEAENRT   OYEGI K50    W     N38485596W086242111                    W0040     NAR           OYEGI
        SUSAEAENRT   WEGEE K50    C   L N38304958W086591500                    W0035     NAR           WEGEE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFRK5ABFR     0     045YHN38502410W086264330W004000727         1800018000C    MNAR    VIRGIL I GRISSOM MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFRK5FR31   AABB   010ABB  K5D 0V       IF                                          18000                A JS
        SUSAP KBFRK5FR31   AABB   020OBEMYK5EA0E  A 020TF                    29850263    + 03000                          A JS
        SUSAP KBFRK5FR31   AABB   030LOFWUK5EA0EE B 010TF                    25350065    + 02500                          A JS
        SUSAP KBFRK5FR31   ALOFWU 010LOFWUK5EA0EE AR   HF                    31340040    + 02500     18000                A JS
        SUSAP KBFRK5FR31   AWEGEE 010WEGEEK5EA0E       IF                                          18000                A JS
        SUSAP KBFRK5FR31   AWEGEE 020MUKFUK5EA0E  A 020TF                    08220331    + 03000                          A JS
        SUSAP KBFRK5FR31   AWEGEE 030LOFWUK5EA0EE B 010TF                    01340065    + 02500                          A JS
        SUSAP KBFRK5FR31   R      010LOFWUK5EA0E  I    IF                                + 02500     18000                A JS
        SUSAP KBFRK5FR31   R      020AGOSEK5EA1E  F 051TF                    31340049    + 02400                 RW31  K5PGA JS
        SUSAP KBFRK5FR31   R      020AGOSEK5EA2WALP        N          ALNAV                                                JS
        SUSAP KBFRK5FR31   R      021OYEGIK5EA0E S  031TF                    31340030    V 0142001435        -300          A JS
        SUSAP KBFRK5FR31   R      030RW31 K5PG0GY M 031TF                    31330021      00767             -300          A JS
        SUSAP KBFRK5FR31   R      040          0  M     CA                    3133        + 01127                          A JS
        SUSAP KBFRK5FR31   R      050KOXVUK5EA0EY      DF                                + 02500                          A JS
        SUSAP KBFRK5FR31   R      060KOXVUK5EA0EE  R   HM                    13320040    + 02500                          A JS
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                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFRK5GRW31    0045013133 N38501590W086262582-0300    +0187400723000044100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFRK5PR31   RW31 001 0000W31A0N3850158995W08626258215+018740300N3851124000W0862754060010675137600043 7F400000B4D94F26
        SUSAP KBFRK5PR31   RW31 002E      +02205+02205LP        97525

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFRK5SRW31 K5PG                0   18018002525                                                                        M
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