

**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> KPWK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> CHICAGO/PROSPECT HEIGHTS/WHEELING	<u>STATE</u> IL	
<u>AIRPORT ELEVATION</u> 647	<u>TDZE</u> 643	<u>SUPERSEDED</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 1F	<u>DATED</u> 03/25/2021	<u>MAG VAR</u> 2W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 AUGUST 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
FILLZ	IAF	HIGUH	NOPT	TF	FB	1.00	070.42	8.00	2500
OYFAM	IAF	HIGUH	NOPT	TF	FB	1.00	250.64	8.00	2500
HIGUH	IF/IAF	PAMME		TF	FB	1.00	160.53	6.43	2300
PAMME	FAF	FUGIO/2.00 NM TO RW16		TF	FB	0.30	160.58	3.04	
FUGIO/2.00 NM TO RW16		RW16	MAP	TF	FO	0.30	160.58	2.00	
RW16	MAP	1200 MSL		CA			160.58		1200
1200 MSL		DEERE		DF	FO	1.00			2100

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2100 DIRECT DEERE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD N HIGUH, RT, 160.53 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 160.58 **FAF:** PAMME **DIST FAF TO MAP:** 5.04 **DIST FAF TO THLD:** 5.04
- 4. **MIN ALT:** HIGUH 2500, PAMME 2300, FUGIO/2.00 NM TO RW16 1320
- 5. **DIST TO THLD FROM FAF:** 5.04 **MM:** **IM:** **150 HAT:** **284 HAT:** 0.73 **GS ANT:**
- 6. **MIN GP INCPT:** 2300 **GP ALT AT FAF :** PAMME 2300 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 51.7
- 8. **MSA FROM:** RW16 3400

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 6, 12, 24, 30, 34 NA AT NIGHT.
 CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 218.06 INBOUND.
 CHART FAS OBST: 854 BUILDING (17-003517) 420902N/0875441W.
 CHART VDP AT 1.34 NM TO RW16
 WAAS CHANNEL # 45627
 REFERENCE PATH ID: W16A
 CHART CIRCLING ICON.
 LTP HAE: 162.1 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA STANDARD - CAT D 900-2 3/4, 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
LPV DA	927	7/8	284	927	7/8	284	927	7/8	284	927	7/8	284			
LNAV/VNAV DA	1083	1 1/4	440	1083	1 1/4	440	1083	1 1/4	440	1083	1 1/4	440			
LNAV MDA	1120	1	477	1120	1	477	1120	1 3/8	477	1120	1 3/8	477			
CIRCLING	1140	1	493	1160	1	513	1200	1 1/2	553	1460	2 3/4	813			

CHANGES - REASONS

1. REMOVED PAPPI AND FARMM IAF'S FROM AND ADDED IAF'S FILLZ AND OYFAM TO TERMINAL ROUTES. - T SHAPE IAF'S REQUESTED BY FPT.
2. CHANGED FAF FROM CHIKO TO PAMME IN AND ADDED A FINAL STEPDOWN FIX FUGIO TO PROCEDURE. - MIRROR ILS PROCEDURE AND ATTAIN LOWER MINS.
3. CHANGED COURSES FROM 160.54 TO 160.53 IN IF/IAF TERMINAL ROUTES AND LINE 2 H-I-L; AND FROM 160.57 TO 160.58 IN FINAL/MA CA LEG TERMINAL ROUTES AND LINE 3 FAC. - MOVED FAF FOR OPTIMAL DESIGN.
4. ADDED 284 HAT: 0.73 TO LINE 4. - IAW 8260.19I 8-6-7.
5. ADDED "MAX 6000" TO LINE 2. - IAW 8260.19I 8-6-7.
6. ADDED 20:1 IS CLEAR TO PROFILE LINE 7. - IAW 8260.19I 8-6-7.
7. REMOVED CHART NOTE: DME/DME RNP-0.3 NA. AND ADDED RNP APCH-GPS TO PBN REQUIREMENTS NOTE. - IAW 8260.19I 8-6-8.
8. REMOVED FAHRENHEIT FROM BARO-VNAV NOTE. - IAW 8260.19I 8-6-9 S.
9. REMOVED SECONDARY ALTIMETER NOTES. - KPWK IS ON WMSCR AND MOVED THEM TO THE BACK OF -9 FOR RECORD KEEPING.
10. REMOVED *LNAV ONLY. FROM, CHANGED FAS OBST FROM 909 AAO TO 854 BUILDING AND VDP FROM 1.46 NM TO 1.34 NM IN ADDITIONAL FLIGHT DATA. - NEW EVAL COMPLETED, FAF MOVED AND SDF ADDED.
11. RAISED LPV MINS FROM 905/262 TO 927/284 AND LOWERED VIS FROM 1 SM TO 7/8 SM; LOWERED LNAV/VNAV MINS FROM 1088/445/1 1/2 SM TO 1083/440/ 1 1/4 SM, LNAV MINS FROM 1160/517 TO 1120/477. - NEW EVAL COMPLETED, FAF MOVED, SDF ADDED.
12. CRC REMAINDER CHANGED FROM 897A2E35 TO C91525C2. - NEW EVAL COMPLETED; FPAP CHANGED FROM 420600.9930N-0875341.9845W TO 420600.9860N-0875342.0010W.
13. REMOVED "TO" FROM CIRCLING NA NOTE. - IAW 8260.19I 8-6-9.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** PWK ATCT, ORD APP CON, ZAU, AMGR

FLIGHT CHECKED BY
PATRICK MURRAY

Digitally signed by
JOHN BORDY
Mar 28, 2021

OFFICE
FICO
DATE
3/24/2021

DEVELOPED BY
JOHN BORDY (ANDRE TUCKER)

Digitally signed by
JOHN BORDY
Mar 28, 2021

OFFICE
AJV-A422
DATE
02/04/2021

APPROVED BY
MARLON ROBINSON

Digitally signed by
JOHN BORDY
Mar 28, 2021

OFFICE
AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPKW
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	420723.9840N
LTP/FTP LONGITUDE	0875425.6550W
LTP/FTP ELLIPSOIDAL HEIGHT	+01621
FPAP LATITUDE	420600.9860N
FPAP LONGITUDE	0875342.0010W
THRESHOLD CROSSING HEIGHT (TCH)	00051.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	C91525C2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01959
FPAP ORTHOMETRIC HEIGHT	+01959

