

**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</u> WILSON INDUSTRIAL AIR CENTER	<u>AIRPORT ID</u> KW03	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> WILSON	<u>STATE</u> NC
<u>AIRPORT ELEVATION</u> 160	<u>TDZE</u> 157	<u>SUPERSEDED</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>DATED</u> 10/15/2015	<u>MAG VAR</u> 8W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1985

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
FEBEL	IF/IAF	DIPTE		TF	FB	1.00	203.57	6.51	1800
DIPTE	FAF	ZAKAM/1.10 NM TO CEDNA		TF	FB	0.30	203.54	3.40	
ZAKAM/1.10 NM TO CEDNA		CEDNA	MAP	TF	FO	0.30	203.54	1.10	
CEDNA	MAP	1000 MSL		CA			203.54		1000
1000 MSL		FEBEL		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LP: CEDNA
 LNAV: CEDNA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000, THEN CLIMBING RIGHT TURN TO 2500 DIRECT FEBEL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- HOLD NE FEBEL, RT, 203.57 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 203.54 **FAF:** DIPTE **DIST FAF TO MAP:** 4.50 **DIST FAF TO THLD:** 4.98
- MIN ALT:** FEBEL 2500, DIPTE 1800, ZAKAM/1.10 NM TO CEDNA 700
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
- MIN GP INCPT:** **GP ALT AT FAF :** **OM:** **MM:** **IM:**
- GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:**
- MSA FROM:** CEDNA 3400



PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 9, 15, 27, 33 NA AT NIGHT.
 CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT FEBEL ON V194-310 WESTBOUND.
 CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE ROCKY MOUNT ALTIMETER SETTING AND INCREASE ALL MDA 20 FT; INCREASE LP CATS C AND D VISIBILITY 1/8 SM.
 CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

DIPT E TO CEDNA: 3.04/40.
 CHART KRWI IN PLAN AND PROFILE VIEWS.
 CHART CIRCLING ICON.
 FICTITIOUS THRESHOLD POINT (CFVSX) DO NOT CHART.
 CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.00 DEGREES.
 WAAS CHANNEL #72739
 REFERENCE PATH ID: W21A
 CHART FAS OBST: 269 TREE 354741N/0775709W, 278 TANK 354753N/0775721W.
 FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.
 FTP HAE: 12.5 M

MINIMUMS:

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

DIPT E TO CEDNA: 3.04/40.

ALTERNATE: NA

<u>CATEGORY:</u>	A			B			C			D			E			
	<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LP MDA	520	1	363	520	1	363	520	1	363	520	1	363				
LNAV MDA	540	1	383	540	1	383	540	1 1/8	383	540	1 1/8	383				
CIRCLING	660	1	500	660	1	500	780	1 3/4	620	780	2	620				

CHANGES - REASONS

1. MOVED MISSED APPROACH POINT CEDNA SLIGHTLY (2.61 FT) FOR OPTIMAL ALIGNMENT OF OFFSET FINAL COURSE.
2. ADDED LP LINE OF MINIMUMS- PER FPT CHECKLIST.
3. ADDED FINAL SEGMENT STEP-DOWN FIX ZAKAM- TO ACHIEVE LOWEST MINIMUMS POSSIBLE FOR LP PROCEDURE.
4. CHANGED MISSED APPROACH INSTRUCTION FROM "CLIMBING RIGHT TURN TO 2500 DIRECT FEBEL AND HOLD" TO "CLIMB TO 1000, THEN CLIMBING RIGHT TURN TO 2500 DIRECT FEBEL AND HOLD"- TO COMPLY WITH MINIMUM LEG LENGTH REQUIREMENTS FOR MISSED APPROACH IAW 8260.54A. AS PUBLISHED, LEG LENGTH FROM MISSED APPROACH POINT TO FEBEL IS NOT LONG ENOUGH TO ACCOMMODATE CATS C AND D AIRCRAFT- PER FPT CHECKLIST AND NEW AIRPORT SURVEY.
5. LOWERED LNAV MDA/HAT ALL CATS FROM 560/401 TO 540/383; CIRCLING CAT C MDA/HAA INCREASED FROM 660/499 TO 780/620 AND VISIBILITY FROM 1 1/2 TO 1 3/4; CIRCLING CAT D MDA/HAA INCREASED FROM 760/559 TO 780/620- PER FPT CHECKLIST TO ACHEIVE LOWEST POSSIBLE MINIMA AND NEW AIRPORT SURVEY.
6. CHANGED BACKUP ALTIMETER NOTE FROM "OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED USE ROCKY MOUNT ALTIMETER SETTING" TO "OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED USE ROCKY MOUNT ALTIMETER SETTING AND INCREASE ALL MDA 20 FT; INCREASE LP CATS C AND D VISIBILITY 1/8 SM"-LP MINIMA ADDED AND NEW AIRPORT DATA.
7. ADDED FAS DATA-LP MINIMA ADDED.
8. CHANGED LINE 7 ON 8260-3 TO SHOW "34:1 IS NOT CLEAR" INSTEAD OF "34:1 IS CLEAR"- EVALUATION IDENTIFIED 34:1 VISUAL SURFACE PENETRATIONS.
9. UPDATED VDA FROM 3.03/40 TO 3.04/40- VDA RECALCULATED WITH CURRENT DATA.
10. REMOVED VGSI AND DESCENT ANGLES NOT COINCIDENT NOTE - RWY 21 HAS NO VGSI (AIRNAV).



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZDC, APT MGR

FLIGHT CHECKED BY

KEVIN RIESE

Digitally signed by
ADOLFO D URRUTIA

Sep 25, 2018

OFFICE

FICO

DATE

9/19/18

DEVELOPED BY

LONNIE EVERHART (MICHAEL W HARRIS)

Digitally signed by
ADOLFO D URRUTIA

Sep 25, 2018

OFFICE

AJV-5400

DATE

06/14/2018

APPROVED BY

LONNIE EVERHART

Digitally signed by
ADOLFO D URRUTIA
Sep 25, 2018

OFFICE

AJV-5400

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	W03
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	354626.3450N
LTP/FTP LONGITUDE	0775739.5630W
LTP/FTP ELLIPSOIDAL HEIGHT	+00125
FPAP LATITUDE	354500.3665N
FPAP LONGITUDE	0775808.8600W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.04
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1392
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER 5C3D3094

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00472
FPAP ORTHOMETRIC HEIGHT	+00472

