

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> KTDF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ROXBORO	<u>STATE</u> NC		
<u>AIRPORT ELEVATION</u> 609	<u>TDZE</u> 604	<u>SUPERSEDED</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 11/04/2021	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<u>REQUIRED EFFECTIVE DATE</u> 08/10/2023	<u>CANCEL/SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 330/30 CW 150/30	NOPT	330/15 CW 150/15		3100
2. 330/15 CW 150/15		LORSY	IF/IAF	3000
3. 150/30 CW 240/30		MUPLY	IAF	3000
4. 240/30 CW 330/30		240/22 CW 330/22		3100
5. 240/22 CW 330/22		NILKY	IAF	3000

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>
MUPLY	IAF	LORSY	NOPT	TF	FB	1.00	149.95	7.00	3000
NILKY	IAF	LORSY	NOPT	TF	FB	1.00	330.05	7.00	3000
LORSY	IF/IAF	IFKIN		TF	FB	1.00	059.99	6.03	2200
IFKIN	FAF	FIPIR/1.85 NM TO RW06		TF	FB	0.30	060.06	3.08	
FIPIR/1.85 NM TO RW06		RW06	MAP	TF	FO	0.30	060.06	1.85	
RW06	MAP	804 MSL		CA			060.06		
804 MSL		TACUV		DF	FO	1.00			3000



MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW06

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT TACUV AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SW LORSY, RT, 060.00 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	060.06	FAF:	IFKIN	DIST FAF TO MAP:	4.93
4. MIN ALT:	LORSY 3000, IFKIN 2200, FIPIR/1.85 NM TO RW06 1220				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT:	0.54
6. MIN GP INCPT:	2200	GP ALT AT PFAF :	IFKIN 2200	OM:	
7. GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR
8. MSA FROM:		TCH:	40.2	GS ANT:	
				MM:	
				IM:	

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM AND LNAV CAT C/D VISIBILITY TO 1 SM.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 240.22 INBOUND.
CHART FAS OBST: 718 TREE (37-076164) 361715N/0785952W.
CHART VDP AT 1.09 NM TO RW06.
WAAS CHANNEL # 86512
REFERENCE PATH ID: W06A
LTP HAE: 149.1 M



MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<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>
LPV DA	804	1/2	200	804	1/2	200	804	1/2	200	804	1/2	200			
LNAV/VNAV DA	879	1/2	275	879	1/2	275	879	1/2	275	879	1/2	275			
LNAV MDA	980	1/2	376	980	1/2	376	980	5/8	376	980	5/8	376			
CIRCLING	1080	1	471	1080	1	471	1300	2	691	1300	2 1/4	691			

CHANGES - REASONS

1. INCORPORATED CHANGES FROM PREVIOUS P-NOTAM INTO THE FORM.
2. WHOLE PROCEDURE: CHANGED FIPIR DESIGNATION FROM "FIPIR/1.80 NM TO RW06" TO "FIPIR/1.85 NM TO RW06". - MOVED SDF FOR OPTIMAL DESIGN AND NEW EVAL COMPLETED WITH NEW CONTROLLING OBST.
3. TERMINAL ROUTES: CHANGED MUPLY TO LORSY COURSE FROM "149.96" TO "149.95" AND DISTANCE FROM "5.00" TO "7.00" - NEW LEG LENGTH CRITERIA APPLIED.
4. TERMINAL ROUTES: CHANGED NILKY TO LORSY COURSE FROM "330.04" TO "330.05" AND DISTANCE FROM "5.00" TO "7.00" - NEW LEG LENGTH CRITERIA APPLIED.
5. TERMINAL ROUTES: CHANGED RWY 6 TO CA ALTITUDE FROM "854" TO "804" AND CHANGED COURSE FROM "060.05" TO 060.06" - NEW EVALUATION THAT RESULTED IN A NEW CONTROLLING OBSTACLE IN THE LPV FINAL SEGMENT AND AIRPORT DATA CHANGED.
6. TERMINAL ROUTES: CHANGED LORSY TO IFKIN COURSE/DIST FROM "060.00"/"6.10" TO "059.99"/"6.03". - FAF MOVED FOR OPTIMAL DESIGN.
7. TERMINAL ROUTES: IFKIN TO FIPIR COURSE/DIST FROM "060.05"/"3.06" TO "060.06"/"3.08". - MOVED FAF AND SDF FOR OPTIMAL DESIGN.
8. PROFILE: LINE 3; CHANGED DIST FAF TO MAP/THLD FROM 4.86 TO 4.93, LINE 4; REMOVED "" FROM FIPIR NAME DESIGNATION AND CHANGED FIPIR ALTITUDE FROM 1200 TO 1220, LINE 5; CHANGED FROM "250 HAT: 0.70" TO "200 HAT: 0.54". - MOVED FAF FOR OPTIMAL DESIGN AND NO LONGER REQUIRED.
9. PBN REQUIREMENTS NOTE: CHANGED FROM RNP APCH TO RNP APCH-GPS. - IAW 8260.19I 8-6-8.
10. NOTES: REMOVED ALL SECONDARY ALTIMETER NOTES AND VGSI NOT COINCIDENT NOTE. - ALTIMETER ON WMSCR/MOVED NOTES TO BACK OF -9 AND NO LONGER REQUIRED.
11. NOTES: CHANGED FROM "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM AND LNAV CAT C VISIBILITY TO 1 SM" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM AND LNAV CAT C/D VISIBILITY TO 1 SM". - NEW EVAL COMPLETED WITH NEW MINS.
12. ADDITIONAL FLIGHT DATA: REMOVED "" FROM VDP NOTE AND *LNAV ONLY NOTE. - IAW 8260.19I 8-6-10.
13. MINS: CHANGED LPV FROM 854/250 TO 804/200. - NEW EVAL COMPLETED.
14. MINS: CHANGED LNAV/VNAV FROM 1090/486/ 1 1/4SM TO 879/275/ 1/2SM. - NEW EVAL COMPLETED AND IAW 8260.3E TABLE 3-3-1.
15. MINS: CHANGED LNAV VIS FROM 1SM TO 5/8SM. - IAW 8260.3E TABLE 3-3-1.
16. FAS DATA: CRC REMAINDER CHANGED FROM 9DDD49AF TO D9D31799. - FPAP CHANGED FROM 361742.9790N/0785803.7000W TO 361742.9685N/0785803.6900W.

06/27/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/03/2023:

1. HEADING: CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 08/10/2023.

Digitally signed by

ERIC N SUSKI

Jun 27, 2023



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDC, RDU APP CON, AMGR

FLIGHT CHECKED BY
PENDING

Digitally signed by
ERIC N SUSKI
Jun 27, 2023

OFFICE

DATE

DEVELOPED BY
ERIC N SUSKI (ANDRE TUCKER)

Digitally signed by
ERIC N SUSKI
Jun 27, 2023

OFFICE
AJV-A431

DATE
03/03/2023

APPROVED BY
ERIC N SUSKI

Digitally signed by
ERIC N SUSKI
Jun 27, 2023

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	KTDF
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	361648.1780N
LTP/FTP LONGITUDE	0785930.6735W
LTP/FTP ELLIPSOIDAL HEIGHT	+01491
FPAP LATITUDE	361742.9685N
FPAP LONGITUDE	0785803.6900W
THRESHOLD CROSSING HEIGHT (TCH)	00040.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1016
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D9D31799

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01800
FPAP ORTHOMETRIC HEIGHT	+01800

