

**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> DYERSBURG RGNL	<u>AIRPORT ID</u> KDYR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> DYERSBURG	<u>STATE</u> TN	
<u>AIRPORT ELEVATION</u> 338	<u>TDZE</u> 316	<u>SUPERSEDED</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 02/04/2016	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 311/30 CW 131/30	NOPT	RUQAW	IF/IAF	2900
2. 131/30 CW 311/30		RUQAW	IF/IAF	2900

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
RUQAW	IF/IAF	ZOMXE		TF	FB	1.00	041.44	6.80	2000
ZOMXE	FAF	AYECU/2.10 NM TO RW04		TF	FB	0.30	041.49	3.14	
AYECU/2.10 NM TO RW04		RW04	MAP	TF	FO	0.30	041.49	2.10	
RW04	MAP	588 MSL		CA			041.49		
588 MSL		AYODO		DF	FO	1.00			2900

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2900 DIRECT AYODO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SW RUQAW, RT, 041.44 INBOUND, 2900 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 041.49 FAF: ZOMXE DIST FAF TO MAP: 5.24 DIST FAF TO THLD: 5.24
4. MIN ALT: RUQAW 2900, ZOMXE 2000, AYECU/2.10 NM TO RW04 1000*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 272 HAT: 0.82 GS ANT: MM: IM:
6. MIN GP INCPT: 2000 GP ALT AT FAF : ZOMXE 2000 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 40.0
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING TO RWY 16, 34 NA AT NIGHT.
CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.23 NM TO RW04*
*LNAV ONLY
WAAS CHANNEL #82320
REFERENCE PATH ID: W04A
CHART FAS OBST: 469 TREE 355751N/0892614W.
CHART: 489 TREE 355728N/0892624W.
HOLD NE, RT, 221.62 INBOUND
LTP HAE: 60.7 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	588	1	272	588	1	272	588	1	272	588	1	272			
LNAV/VNAV DA	801	1 3/8	485	801	1 3/8	485	801	1 3/8	485	801	1 3/8	485			
LNAV MDA	720	1	404	720	1	404	720	1 1/8	404	720	1 1/8	404			
CIRCLING	740	1	402	800	1	462	800	1 1/2	462	900	2	562			



CHANGES - REASONS

1. ALL CHANGES FROM AMENDMENT 2A AND 2B HAVE BEEN INCORPORATED INTO THIS PROCEDURE. - 8260.19H 8-3-4-C(1).
2. RAISED LNAV/VNAV DA/HAT FROM 592/276 TO 801/485 AND VIS FROM 1 SM TO 1 3/8 SM. - NEW EVAL COMPLETED AND CONTROLLING OBSTACLE DOCUMENTED.
3. ADDED MAX 6000 ALT TO LINE 2 IN PROFILE. - IAW 8260.19H 8-6-7 B. (2).
4. CHANGED 34:1 FROM IS CLEAR TO NOT CLEAR AND ADDED 20:1 IS CLEAR TO PROFILE LINE 7. - NEW 34:1 PENETRATION AND IAW 8260.19H 8-6-7 G. (3).
5. REMOVED CHART NOTE: DME/DME RNP-0.3 NA. AND ADDED RNP APCH TO PBN REQUIREMENTS NOTES. - IAW 8260.19H 8-6-8 B (1).
6. ADDED CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. - IAW 8260.19H 8-6-11 K. (3).
7. CHANGED CHART NOTE FROM NIGHT LANDING: RWY 16, 34 NA. TO CIRCLING TO RWY 16, 34 NA AT NIGHT. - IAW 8260.19H 8-6-11 O. (2) (G).
8. REMOVED FAHRENHEIT FROM BARO-VNAV NOTE. - IAW 8260.19H 8-6-9 S.
9. REMOVED SECONDARY ALTIMETER NOTES. - ALTIMETER ON WMSCR. NOTES PLACED ON BACK OF -9 FOR RECORD KEEPING.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: AMGR, ZME

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

Digitally signed by

ALLAN WILL

Dec 12, 2019

DEVELOPED BY

JOHN BORDY (ANDRE TUCKER)

OFFICE

AJV-A422

DATE

11/18/2019

Digitally signed by

ALLAN WILL

Dec 12, 2019

APPROVED BY

MARLON ROBINSON

OFFICE

AJV-A420

DATE

Digitally signed by

ALLAN WILL

Dec 12, 2019

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDYR
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	355925.5810N
LTP/FTP LONGITUDE	0892450.0160W
LTP/FTP ELLIPSOIDAL HEIGHT	+00607
FPAP LATITUDE	360033.3900N
FPAP LONGITUDE	0892338.6500W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
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)	50.0
CRC REMAINDER	9BF431C6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00888
FPAP ORTHOMETRIC HEIGHT	+00888



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
DYERSBURG RGNL	KDYR	RNAV (GPS) RWY 4	2C	DYERSBURG	TN	338	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
311/30 CW 131/30

TO
RUQAW

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.TOWER (47-001020)	352042.00N/0893450.00W	876	20	3	5D	1000				AT1024	2900
2.TERRAIN	355112.00N/0893157.00W	535 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM
131/30 CW 311/30

TO
RUQAW

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.TOWER (47-001033)	354722.00N/0890614.00W	1420	500	50	5D	1000				AT480	2900
2.TERRAIN	355112.00N/0893157.00W	535 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM
RUQAW (IF/IAF)

TO
ZOMXE

RNP	DISTANCE 6.80	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
4.TOWER (47-000267)	355124.00N/0893312.00W		812	100	20	3C	500					1400
2.TERRAIN	355112.00N/0893157.00W		535 (500)								AS1500	2000

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL: LPV

FROM
ZOMXE

TO
RW04

RNP	DISTANCE 5.17	PAT	MAP DA	HAT 272			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TREE (KDYRT0012)	355917.79N/0892504.94W		361	50	20	2C		34:1			AC20 MA22	588

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

ZOMXE

TO

RW04

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.24		DA			485						
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
6.TREE (47-024562)	355837.61N/0892615.71W		463	50	20	2C		23.37:1			AC20	801

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

ZOMXE

TO

AYECU/2.10 NM TO RW04

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	3.14											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.AAO	355539.37N/0892819.46W		689	50	20	2C	250				RA60	1000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:





MISSED APPROACH : LNAV

FROM

RW04

TO

AYODO

RNP	DISTANCE	PAT	MAP	HAT			HMAS				
							620				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2900
11.TOWER (47-000468)	360733.00N/0891423.00W	854	500	50	5D	1000					1900
12.TERRAIN	360915.00N/0891448.00W	424 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
13.TREE (KDYRT0017)	360016.54N/0892414.84W	1.30	402	435	50	20	2C	300			740
CATEGORY B											
6.TREE (47-024562)	355837.61N/0892615.71W	1.50	462	463	50	20	2C	300		HAA	800
CATEGORY C											
6.TREE (47-024562)	355837.61N/0892615.71W	1.70	462	463	50	20	2C	300		HAA	800
CATEGORY D											
14.TOWER (47-020268)	360208.00N/0892311.70W	2.30	562	512	20	3	1A	300		HAA	900

CIRCLING REMARKS:



<div> <div>AIRPORT</div> <div>DYERSBURG RGNL</div> </div>	<div> <div>AIRPORT ID</div> <div>KDYR</div> </div>	<div> <div>PROCEDURE NAME</div> <div>RNAV (GPS) RWY 4</div> </div>	<div> <div>AMDT NO.</div> <div>2C</div> </div>	<div> <div>CITY</div> <div>DYERSBURG</div> </div>	<div> <div>STATE</div> <div>TN</div> </div>	<div> <div>AIRPORT ELEVATION</div> <div>338</div> </div>	<div> <div>FACILITY</div> <div>RNAV</div> </div>
<div>CENTER</div>	<div>RADIUS</div>						
<div>MSA REMARKS:</div>							
<div>NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:</div>	<div> RWY 16/34 DOES NOT HAVE AN OBSTACLE SURVEY. VISUAL SURFACES CAN NOT BE VALIDATED. PROCEDURE NA AT NIGHT. </div>						

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	STRAIGHT-IN
34:1	
358 TREE (47-024564) 355913.49N/0892509.91W (13.81)	

<u>AIRPORT</u> DYERSBURG RGNL	<u>AIRPORT ID</u> KDYR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>AMDT NO.</u> 2C	<u>CITY</u> DYERSBURG	<u>STATE</u> TN	<u>AIRPORT ELEVATION</u> 338	<u>FACILITY</u> RNAV
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.67
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	040.49
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	THLD	TO 1500FT POINT	5.24
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	040.49
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	500

THRESHOLD
COORDINATES
(IF STR-IN)

355925.58N/0892450.02W

ARP COORDINATES

355952.70N/0892423.70W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 4 DISTANCE 0.57 NM

FAF
COORDINATES

355526.22N/0892901.55W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY
9
CHECKED

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<u>AIRPORT</u> DYERSBURG RGNL	<u>AIRPORT ID</u> KDYR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>AMDT NO.</u> 2C	<u>CITY</u> DYERSBURG	<u>STATE</u> TN	<u>AIRPORT ELEVATION</u> 338	<u>FACILITY</u> RNAV
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PART E: PREPARED BY

<u>NAME</u> JOHN BORDY (ANDRE TUCKER)	<u>OFFICE</u> AJV-A422	<u>DATE</u> 11/18/2019	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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QUALITY
9
CHECKED

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