

**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> LAN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10R	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> LANSING	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 861	<u>TDZE</u> 861	<u>SUPERSEDED</u> RNAV (GPS) RWY 10R	<u>DATED</u> 02/25/2021	<u>MAG VAR</u> 5W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 27 NOVEMBER 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1985
			<u>CANCEL/SUSPEND</u>	

TAA

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 25-24.

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 005/30 CW 185/30	NOPT	OCTEC	IF/IAF	3000
2. 185/30 CW 275/30		JATVA	IAF	3000
3. 275/30 CW 005/30		ILLOV	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>
JATVA	IAF	OCTEC	NOPT	TF	FB	1.00	185.44	7.00	3000
ILLOV	IAF	OCTEC	NOPT	TF	FB	1.00	005.44	7.00	3000
OCTEC	IF/IAF	AZDEZ		TF	FB	1.00	095.44	5.95	2400
AZDEZ	FAF	CIRAT/2.33 NM TO RW10R		TF	FB	0.30	095.53	2.33	
CIRAT/2.33 NM TO RW10R		RW10R	MAP	TF	FO	0.30	095.53	2.33	
RW10R	MAP	1153 MSL		CA			095.53		
1153 MSL		DUTVE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW10R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT DUTVE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD W OCTEC, RT, 095.44 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	095.53	FAF:	AZDEZ	DIST FAF TO MAP:	4.66	DIST FAF TO THLD:	4.66							
4.	MIN ALT: OCTEC 3000, AZDEZ 2400, CIRAT/2.33 NM TO RW10R 1640														
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		292 HAT:	0.74	GS ANT:				
6.	MIN GP INCPT:	2400	GP ALT AT PFAF:	AZDEZ 2400					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	56.1							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING RWY 10L, 28R NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART NOTE: RWY 10R HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000, LNAV CATS A/B TO RVR 5500 AND CATS C/D TO RVR 6000.

ADDITIONAL FLIGHT DATA:



HOLD E, RT, 275.78 INBOUND.
CHART FAS OBST: 1011 ANTENNA (26-175370) 424647N/0843845W.
CHART VDP AT 1.03 NM TO RW10R.
WAAS CHANNEL # 61314
REFERENCE PATH ID: W10A
LTP HAE: 228.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 900-3

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	1153	4000	292	1153	4000	292	1153	4000	292	1153	4000	292			
LNAV/VNAV DA	1245	4000	384	1245	4000	384	1245	4000	384	1245	4000	384			
LNAV MDA	1280	4000	419	1280	4000	419	1280	4000	419	1280	4000	419			
CIRCLING	1320	1	459	1340	1	479	1600	2	739	1760	3	899			



CHANGES - REASONS

1. IN TERMINAL ROUTES, CHANGED MAP SEGMENT FROM "1061 MSL TO DUTVE" TO "1153 MSL TO DUTVE" - LPV DA CHANGED TO 1153.
2. IN PROFILE, CHANGED 34:1 FROM "IS CLEAR" TO "IS NOT CLEAR" - NEW 34:1 SURFACE PENETRATION.
3. IN PROFILE CHANGED HAT FROM "200 HAT: 0.45" TO "292 HAT: 0.74" - LPV HAT INCREASED TO 292.
4. IN NOTES, ADDED "CHART NOTE: RWY 10R HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED." - NEW 34:1 SURFACE PENETRATION.
5. IN ADDITIONAL FLIGHT DATA, CHANGED NOTE FROM "VDP AT 1.02 NM TO RW10R*." TO "VDP AT 1.03 NM TO RW10R."- LNAV MDA INCREASED.
6. IN NOTES CHANGED NOTE FROM "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500." TO "FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000, LNAV CATS A/B VISIBILITY TO RVR 5500 AND CATS C/D TO 6000." - ALL VIS VALUES INCREASED DUE TO 34:1 PENETRATIONS.
7. IN ADDITIONAL FLIGHT DATA, CHANGED LTP HAE FROM "228.7" TO "228.6" - CURRENT AIRNAV DATA.
8. IN ADDITIONAL FLIGHT DATA, CHANGED FAS OBST FROM "1010 TOWER 424647N/0843845W." TO "1011 ANTENNA (26-175370) 424647N/0843845W." - DUE TO NEW CONTROLLING OBSTACLE.
9. IN MINIMUMS, CHANGED LPV DA/ HAT FROM "1061/200" TO "1153/292"- NEW CONTROLLING OBSTACLE & CLEARING NOTAM 5/2545.
10. IN MINIMUMS, CHANGED LNAV/VNAV DA/VIS/HAT FROM "1172/2400/311" TO "1245/4000/384" - NEW CONTROLLING OBSTACLE, 34:1 PENETRATIONS & CLEARING NOTAM 5/2545.
11. IN MINIMUMS, CHANGED LNAV CAT A, B MDA/HAT FROM "1260/399" TO "1280/419" & CAT C, D MDA/VIS/HAT FROM "1260/3500/399" TO "1280/4000/419"- NEW CONTROLLING OBSTACLE & CLEARING NOTAM 5/2545.
12. CHANGED CRC REMAINDER FROM "5347B8CB" TO "32D872B7"- FPAP LAT/LONG CHANGED FROM: "424640.5815N/0843402.8160W" TO "424640.5800N/0843402.8165W".
13. IN PBN REQUIREMENTS NOTE, CHANGED NOTE FROM "RNP APCH" TO "RNP APCH-GPS"- IAW 8260.19J PARA 8-6-8.
14. IN NOTES, REMOVED "CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA." - NO LONGER QUALIFIES AS THE HAT IS GREATER THAN 200FT.
15. IN ADDITIONAL FLIGHT DATA, REMOVED "*" LNAV ONLY" - NO LONGER REQUIRED PER CURRENT CRITERIA.

10/6/25: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 9/12/25.
1. REMOVED CHART CIRCLING ICON NOTE - NO LONGER REQUIRED.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER: ZOB, LAN APP CON, LAN ATCT, AMGR

FLIGHT CHECKED BY
BRIAN PETER CARSON

Digitally signed by
ALLAN WILL
Oct 07, 2025

OFFICE
FIOG
DATE
09/09/2025

DEVELOPED BY
ALLAN WILL (TEVAR MALONE)

Digitally signed by
ALLAN WILL
Oct 07, 2025

OFFICE
AJV-A33
DATE
05/08/2025

APPROVED BY
KYLE THOMPSON

Digitally signed by
ALLAN WILL
Oct 07, 2025

OFFICE
AJV-A33
DATE
10/23/2025
TITLE
MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLAN
RUNWAY	RW10R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	424641.5315N
LTP/FTP LONGITUDE	0843603.7955W
LTP/FTP ELLIPSOIDAL HEIGHT	+02286
FPAP LATITUDE	424640.5800N
FPAP LONGITUDE	0843402.8165W
THRESHOLD CROSSING HEIGHT (TCH)	00056.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0160
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	32D872B7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02622
FPAP ORTHOMETRIC HEIGHT	+02622

