

**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> CAPITAL REGION INTL	<u>AIRPORT ID</u> KLAN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10R	<u>ORIGINAL/AMENDMENT</u> 1	<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SUPERSEDED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>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 5W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1985

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
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**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
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	1061 MSL		CA			095.53		
1061 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:**



PROFILE:

1. PT      SIDE OF COURSE                      OUTBOUND                      FT WITHIN                      MILES OF (IAF)
2. HOLD W OCTEC, RT, 095.44 INBOUND, 3000 FT. 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:                      200 HAT: 0.45                      GS ANT:
6. MIN GP INCPT: 2400                      GP ALT AT FAF : AZDEZ 2400                      OM:                      MM:                      IM:
7. GP ANGLE: 3.00                      34:1: IS CLEAR                      20:1: IS CLEAR                      TCH: 56.1
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART VDP AT 1.02 NM TO RW10R\*  
\*LNAV ONLY  
WAAS CHANNEL #61314  
REFERENCE PATH ID: W10A  
CHART FAS OBST: 1010 TOWER 424647N/0843845W.  
HOLD E, RT, 275.78 INBOUND  
LTP HAE: 228.7 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**	1061	2400	200	1061	2400	200	1061	2400	200	1061	2400	200			
LNAV/VNAV DA	1172	2400	311	1172	2400	311	1172	2400	311	1172	2400	311			
LNAV MDA	1260	2400	399	1260	2400	399	1260	3500	399	1260	3500	399			
CIRCLING	1320	1	459	1380	1	519	1600	2	739	1760	3	899			

QUALITY  
24  
CHECKED

CHANGES - REASONS

1. REMOVED CHART ASR FROM ADDITIONAL FLIGHT DATA. - NO LONGER REQUIRED AS RADAR PROCEDURES ARE BEING CANCELED.
2. TERMINAL ROUTES DISTANCES FOR IAF JATVA TO OCTEC AND IAF ILLOV TO OCTEC CHANGED FROM 5.00 TO 7.00. - MOVED JATVA AND ILLOV 2NM NORTH AND SOUTH RESPECTIVELY REFLECTING CURRENT CRITERIA IAW 8260.58A, CHAPTER 1-2-5B.
3. ADDED CIRAT AS FINAL STEPDOWN FIX AND CIRAT/2.33 NM TO RW10R 1640\* TO LINE 4 MIN ALT. - PROVIDED LOWER MINS.
4. ADDED MAX 6000 TO LINE 2 H-I-L. - IAW 8260.19H 8-6-7 B. (2).
5. CHANGED DIST FAF TO MAP/THLD FROM 4.60 TO 4.66. - MOVED AZDEZ PFAF FOR OPTIMAL FINAL DESIGN.
6. ADDED CHART NOTE: CIRCLING RWY 10L, 28R NA AT NIGHT. - REQUIRED BY FLIGHT INSPECTION RESULTS.
7. CIRCLING MINS CHANGED: CAT A FROM 1380/519 TO 1320/459, CAT C FROM 1380/5519/1 1/2 TO 1600/739/2, CAT D 1440/579/2 TO 1760/899/3. - NEW EVALUATION COMPLETED WITH NEW CIRLING CRITERIA.
8. ADDED 20:1 IS CLEAR TO LINE 7. - NEW EVALUATION COMPLETED AND 20:1 PENETRATIONS NO LONGER EXIST.
9. ADDED FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500. TO NOTES. - NEW EVALUATION COMPLETED AND NEW MINIMUMS.
10. ADDED CHART CIRCLING ICON. - IAW 8260.19H 8-6-10 T AND UPDATED TO NEW CIRCLING CRITERIA.
11. VDP CHANGED FROM 1.27 MILES TO 1.02 NM. - NEW EVALUATION COMPLETED AND LOWERED MDA.
12. REMOVED 1079 AAO FROM ADDITIONAL FLIGHT DATA. - NEW EVALUATION COMPLETED AND 7:1 OBST NO LONGER EXIST.
13. REMOVED 990 TOWER AND 1070 TOWER FROM ADDITIONAL FLIGHT DATA AND ADDED 1010 TOWER AS FAS OBST. - NEW EVALUATION COMPLETED WITH NEW CONTROLLING OBST.
14. 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).
15. REMOVED THE FAHRENHEIT VALUES FROM AND CHANGED THE TEMPS FROM -16C/46C TO -19C/54C IN THE UNCOMPENSATED BARO-VNAV CHART NOTE. - ACCOMPLISHED 5 YEAR TEMP STUDY AND IAW 8260.19H 8-6-9 S.
16. ADDED CAT D 900-3. TO ALT MINS. - NEW EVALUATION COMPLETED AND MDA WAS RAISED.
17. LNAV/VNAV MINS LOWERED FROM 1290/429/5000 TO 1172/311/2400. - NEW EVALUATION COMPLETED WITH SMALLER EVALUATION AREAS THAN PREVIOUS EVALUATIONS.
18. LNAV MINS LOWERED FROM 1320/459/CAT C 4000 AND CAT D 5000 TO 1260/399/CAT C/D 3500. NEW EVALUATION COMPLETED WITH NEW CONTROLLING OBSTACLE.
19. CHANGED FAS DATA CRC REMAINDER FROM EC9B75CD TO 5347B8CB. - CHANGED LTP FROM 424641.5395N/0843603.7960W TO 424641.5315N/0843603.7955W, FPAP FROM 424640.6400N/0843409.4900W TO 424640.5815N/0843402.8160W.

COORDINATED WITH:

A4A☒ALPA☒AOPA☒APA☒HAI☐NBAA☒OTHER: ZOB, LAN APPCON, LAN ATCT, AMGR

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by

JOHN BORDY

Oct 14, 2020

OFFICE

FICO

DATE

10/10/2020

DEVELOPED BY

JOHN BORDY (ANDRE TUCKER)

Digitally signed by

JOHN BORDY

Oct 14, 2020

OFFICE

AJV-A422

DATE

03/18/2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

JOHN BORDY

Oct 14, 2020

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	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	+02287
FPAP LATITUDE	424640.5815N
FPAP LONGITUDE	0843402.8160W
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)	35.0
CRC REMAINDER	5347B8CB

ADDITIONAL PATH POINT RECORD INFORMATION

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



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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
CAPITAL REGION INTL	KLAN	RNAV (GPS) RWY 10R	1	LANSING	MI	861	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM  
005/30 CW 185/30

TO  
OCTEC

<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 (26-000456)	423415.00N/0852809.00W		1956	250	50	4D	1000					3000
2.TERRAIN	423709.00N/0852609.00W		1126 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM  
185/30 CW 275/30

TO  
JATVA

<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.STACK (26-000056)	424308.00N/0843328.00W	1449	100	20	3C	1000				AT551	3000
4.TERRAIN	424633.00N/0841812.00W	968 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



RIGHT BASE AREA

FROM

275/30 CW 005/30

TO

ILLOV

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TOWER (26-001075)	422803.00N/0843906.00W		1956	500	50	5D	1000					3000
6.TERRAIN	421054.00N/0844027.00W		1090 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

JATVA

TO

OCTEC

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
7.00												
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.TOWER (26-001769)	424832.00N/0844706.00W		1106	500	50	5D	1000				AT894	3000
8.TERRAIN	424530.00N/0845221.00W		880 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM  
ILLOV

TO  
OCTEC

RNP	DISTANCE 7.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.AAO	424057.00N/0844854.00W		1126	164	98	4E	1000				AT874	3000
10.TERRAIN	424057.00N/0844854.00W		926 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM  
OCTEC (IF/IAF)

TO  
AZDEZ

RNP	DISTANCE 5.95	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.TOWER (26-001769)	424832.00N/0844706.00W		1106	500	50	5D	500					1700
11.TERRAIN	424557.00N/0844636.00W		906 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:







FINAL: LNAV

FROM

AZDEZ

TO

CIRAT/2.33 NM TO RW10R

<u>RNP</u>	<u>DISTANCE</u> 2.33	<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>
13.AAO	424630.40N/0844122.09W		1089	50	20	2C	250				DG301	1640

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 STEPDOWN

FROM

CIRAT/2.33 NM TO RW10R

TO

RW10R

<u>RNP</u>	<u>DISTANCE</u> 2.33	<u>PAT</u>	<u>MAP</u> RW10R	<u>HAT</u> 399				<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>
14.TOWER (26-002635)	424647.41N/0843845.27W		1010	50	20	2C	250					1260

COMPUTATIONS

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



HOLD-IN-LIEU OF PT

FROM  
OCTEC

TO  
P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
15.TOWER (26-001976)	424237.00N/0845941.00W		1206	50	20	2C	1000				AT794	3000
16.TERRAIN	424218.00N/0850127.00W		916 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LPV

FROM  
DA

TO  
DUTVE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 892					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
17.TOWER (26-001649)	424553.00N/0842538.00W		1290	500	50	5D	1000					2300
18.TERRAIN	424615.00N/0841951.00W		985 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

DUTVE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1011					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
17.TOWER (26-001649)	424553.00N/0842538.00W		1290	500	50	5D	1000					2300
18.TERRAIN	424615.00N/0841951.00W		985 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM

RW10R

TO

DUTVE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
							1160					
<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>
								ASC				3000
17.TOWER (26-001649)	424553.00N/0842538.00W		1290	500	50	5D	1000					2300
18.TERRAIN	424615.00N/0841951.00W		985 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



<u>AIRPORT</u> CAPITAL REGION INTL	<u>AIRPORT ID</u> KLAN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10R	<u>AMDT NO.</u> 1	<u>CITY</u> LANSING	<u>STATE</u> MI	<u>AIRPORT ELEVATION</u> 861	<u>FACILITY</u> RNAV
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CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
19.ANTENNA (26-099775)	424516.00N/0843448.03W	1.30	459	1012	20	10	1B	300			1320
CATEGORY B											
20.TOWER (26-130053)	424837.40N/0843526.65W	1.84	519	1018	250	50	4D	300		AC50	1380
CATEGORY C											
21.TOWER (26-000009)	424358.00N/0843313.00W	2.89	739	1247	50	50	2D	300		AC50	1600
CATEGORY D											
22.STACK (26-000056)	424308.00N/0843328.00W	3.77	899	1449	100	20	3C	300			1760

CIRCLING REMARKS:

CENTER

RADIUS

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

ALL VEGETATION 100 FEET.

QUALITY  
24  
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART B: SUPPLEMENTAL DATA

**COMMUNICATIONS WITH**  
LAN APP CON, LAN TOWER, ZOB ARTCC, LAN FSS

<b><u>WX SERVICE</u></b> ASOS	<b><u>LOCATION</u></b> KLAN	<b><u>HRS OPERATION</u></b> 24	<b><u>ALTIMETER SOURCE</u></b> KLAN	<b><u>DISTANCE</u></b> 0	<b><u>SERVICE-A</u></b> Y	<b><u>ADJUSTMENTS</u></b> 0
<b><u>BACK-UP WX SERVICE</u></b>	<b><u>LOCATION</u></b>	<b><u>HRS OPERATION</u></b>	<b><u>ALTIMETER SOURCE</u></b>	<b><u>DISTANCE</u></b>	<b><u>SERVICE-A</u></b>	<b><u>ADJUSTMENTS</u></b>

**WX REMARKS:**  
REDUNDANT WX AVAILABLE, SECONDARY ALTIMETER NOT REQUIRED.

<b><u>PRIMARY NAVAID</u></b>	<b><u>MONITOR POINT</u></b>	<b><u>HRS OPERATION</u></b>	<b><u>CAT</u></b>
<b><u>APPROACH AND RUNWAY LIGHTING SYSTEM</u></b>		<b><u>RUNWAY MARKINGS</u></b>	<b><u>RUNWAY VISUAL RANGE</u></b>
RW10L		BSC-G	
RW28R		BSC-G	
RW06 - MIRL, REIL, PAPI-4L		NPI-G	
RW24 - MIRL, REIL, PAPI-4L		NPI-G	
RW10R - MALSR, HIRL, PAPI-4L		PIR-G	APPROACH, ROLL OUT
RW28L - MALSR, HIRL, PAPI-4R		PIR-G	APPROACH, ROLL OUT

<b><u>GLIDESLOPE ANGLE</u></b> 3.00	<b><u>ELEV RWY THRESHOLD</u></b> 860.4	<b><u>TCH</u></b> 56.1	<b><u>ELEV GS ANTENNA</u></b>	<b><u>DISTANCE FROM RWY</u></b>	<b><u>VGSI ANGLE</u></b> 3.00	<b><u>TCH</u></b> 72.6
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**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

**CRITICAL TEMPERATURES**

<b><u>CRITICAL LOW</u></b> -19C	<b><u>CRITICAL HIGH</u></b> +54C	<b><u>ACT</u></b> -22C	<b><u>APT ISA</u></b> +13.3C
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**CRITICAL TEMPERATURE REMARKS:**  
AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2015-2019).  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 967 HIGH TEMP 1275.





<u>AIRPORT</u> CAPITAL REGION INTL	<u>AIRPORT ID</u> KLAN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10R	<u>AMDT NO.</u> 1	<u>CITY</u> LANSING	<u>STATE</u> MI	<u>AIRPORT ELEVATION</u> 861	<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	3.09
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	090.53
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	4.66
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	090.53
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD  
COORDINATES  
(IF STR-IN)

424641.53N/0843603.80W

ARP COORDINATES

424643.10N/0843510.30W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 28L DISTANCE 0.74 NM

FAF  
COORDINATES

424644.28N/0844223.31W

FIX NAME  
COORDINATES

IAF ILLOV: 423947.19N/0845032.57W, IAF JATVA: 425347.40N/0845023.81W, IF/IAF OCTEC: 424647.30N/0845028.20W

REMARKS

TAA INFORMATION: IF/IAF 005/30 CW 185/30 TO OCTEC, IAF 185/30 CW 275/30 TO JATVA, IAF 275/30 CW 005/30 TO ILLOV.

QUALITY  
24  
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<u>AIRPORT</u> CAPITAL REGION INTL	<u>AIRPORT ID</u> KLAN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10R	<u>AMDT NO.</u> 1	<u>CITY</u> LANSING	<u>STATE</u> MI	<u>AIRPORT ELEVATION</u> 861	<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> 03/18/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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