

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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> ILS OR LOC RWY 28L	<u>ORIGINAL/AMENDMENT</u> 28	<u>CITY</u> LANSING	<u>STATE</u> MI	
<u>AIRPORT ELEVATION</u> 861	<u>TDZE</u> 852	<u>SUPERSEDED</u> ILS OR LOC RWY 28L	<u>ORIGINAL/AMENDMENT</u> 27C	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> I-LAN	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 JANUARY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
QUBEE/I-LAN 16.29 DME/RADAR	IF/IAF	WIGSA/I-LAN 12.70 DME/RADAR					275.62	3.60 (I-LAN)	2500
WIGSA/I-LAN 12.70 DME/RADAR		BURYE/I-LAN 6.30 DME/RADAR					275.62	6.40 (I-LAN)	2400

MISSED APPROACH

MAP:

ILS: DA

LOC: 4.71 NM AFTER BURYE/I-LAN 6.30 DME/RADAR OR AT I-LAN 1.59 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3000 ON VIO VOR/DME R-100 TO UNSUN/VIO 18.53 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD E QUBEE, RT, 275.62 INBOUND, 2500 FT. IN LIEU OF PT (IF/IAF), MAX 6000.
3. **FAC:** 275.62 **FAF:** BURYE/I-LAN 6.30 DME/RADAR **DIST FAF TO MAP:** 4.71 **DIST FAF TO THLD:** 4.71
4. **MIN ALT:** QUBEE/I-LAN 16.29 DME/RADAR 2500, WIGSA/I-LAN 12.70 DME/RADAR 2500, BURYE/I-LAN 6.30 DME/RADAR 2400
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 921
6. **MIN GS INCPT:** 2400 **GS ALT AT FAF :** BURYE/I-LAN 6.30 DME/RADAR 2400 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 53.1
8. **MSA FROM:** KLAN 3000

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.
RADAR REQUIRED FOR PROCEDURE ENTRY.



NOTES:

CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

CHART: ASR.
CHART CIRCLING ICON.
CHART VDP AT 2.84 DME*
DISTANCE VDP TO THLD 1.25 NM
* LOC ONLY
FAS OBST: 1045 TREE 424627N/0842912W.
HOLD W, RT, 100.44 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - CAT C 800-2, CAT D 900-3 - NA WHEN CONTROL TOWER CLOSED, NA WHEN LOCAL WEATHER NOT AVAILABLE; LOC: STANDARD - CAT D 900-3, NA WHEN CONTROL TOWER CLOSED, 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
S-ILS 28L**	1052	2400	200	1052	2400	200	1052	2400	200	1052	2400	200			
S-LOC 28L	1300	2400	448	1300	2400	448	1300	4500	448	1300	4500	448			
CIRCLING	1380	1	519	1380	1	519	1600	2	739	1760	3	899			

CHANGES - REASONS

1. TERMINAL ROUTE QUBEE/JXN 30.84 DME DELETED - VOR MON REMOVAL OF JXN NAVAID.
2. TERMINAL ROUTE QUBEE/I-LAN 16.32 DME/RADAR TO WIGSA/I-LAN 12.70 DME/RADAR ADDED - QUBEE REQUESTED TO BE MOVED AND ALIGNED WITH ILS COURSE. ADDED IF/IAF AT FIX AS WELL AS HILPT PER ATC REQUEST.
3. TERMINAL ROUTE WIGSA/I-LAN 12.70 DME/RADAR COURSE CHANGED FROM 275.63 TO 275.62 AND DME CHANGED FROM 6.41 (I-LAN) TO 6.40 (I-LAN) - RELOCATION OF WIGSA TO ALIGN WITH FAC FROM RWY TO BURYE IN BUILD.
4. HOLD E QUBEE, RT, 275.62 INBOUND, 2500 FT. IN LIEU OF PT (IF/IAF), MAX 6000 ADDED TO PROFILE - HILPT REQUESTED AT QUBEE REQUESTED IN IFP REQUEST.
5. PROFILE FAC CHANGED FROM 275.63 TO 275.62 - UPDATED FINAL APPROACH COURSE IN TARGETS BUILD OUTPUT.
6. DME REQUIRED AND RADAR REQUIRED FOR PROCEDURE ENTRY ADDED TO EQUIPMENT REQUIREMENTS NOTES - MEET CURRENT 8260.19H CRITERIA
7. CHART NOTE: CIRCLING RWY 10L, 28R NA AT NIGHT REMOVED - PREVIOUS BUILD FOUND INADEQUATE SURVEY FOR RWY 10L, 28R, SURVEY FOR RWY NOW VG.
8. CHART JXN R-034 AT QUBEE REMOVED FROM ADDITIONAL FLIGHT DATA - VOR MON REMOVAL OF JXN NAVAID.
9. CHART NOTE: DME REQUIRED REMOVED FROM NOTES SECTION AND MOVED TO EQUIPMENT REQUIREMENTS NOTE - MEET CURRENT 8260.19H CRITERIA
10. CHART PLANVIEW NOTE: RADAR REQUIRED REMOVED FROM ADDITIONAL FLIGHT DATA, MOVED TO EQUIPMENT REQUIREMENT NOTES AND CHANGED TO, RADAR REQUIRED FOR PROCEDURE ENTRY - MEET CURRENT 8260.19H CRITERIA



COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOB ARTCC, LAN APP CON, LAN ATCT, AMGR

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by

DAVID DANNER

Dec 10, 2019

OFFICE

FICO

DATE

12/6/19

DEVELOPED BY

DAVID DANNER (RALPH P. MILLER)

Digitally signed by

HEIDI SNIDER

Oct 03, 2019

OFFICE

AJV-A421

DATE

08/23/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

HEIDI SNIDER

Oct 03, 2019

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AJV-A420

DATE

TITLE
MANAGER

