

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, 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 in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 4.71 MILES AFTER BURYE/I-LAN 6.29 DME/RADAR OR AT I-LAN 1.59 DME FIX							
QUBEE INT (IAF)		WIGSA/I-LAN 12.70 DME/RADAR		321.00 / 5.30 (HDG) & 275.63 / 4.85 (I-LAN)				2500		CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3000 ON VIO VOR/DME R-100 TO UNSUN/VIO 18.53 DME AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 100.44 INBOUND. FAS OBST: 1050 AAO 424617N/0842836W CHART VDP AT 2.84 DME* DISTANCE VDP TO THLD 1.25 MILES. *LOC ONLY. CHART (CFCJM) AT INTERSECTION OF QUBEE DR LEG AND INTERMEDIATE COURSE. CHART CIRCLING ICON. CHART: ASR							
WIGSA/I-LAN 12.70 DME/RADAR (IF)		BURYE/I-LAN 6.29 DME/RADAR		275.63 / 6.41 (I-LAN)				2400									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT WIGSA/I-LAN 12.70 DME/RADAR 3. FAC: 275.63 FAF: BURYE/I-LAN 6.29 DME/RADAR DIST FAF TO MAP: 4.71 THLD: 4.71 4. MIN. ALT: WIGSA 2500, BURYE 2400 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 947 6. MIN GS INCPT: 2400 GS ALT AT: BURYE 2400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 53.1 8. MSA FROM: OZW NDB 050-300 3100, 300-050 2600 (29 NM)										MAG VAR: 5W EPOCH YEAR: 1985							
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @									
CATEGORY =====>		A			B			C			D			E			
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/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				
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT QUBEE ON V103 EASTBOUND. CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. CHART NOTE: NIGHT LANDING: RWY 10L, 28R NA.																	
CITY AND STATE LANSING, MI		ELEVATION: 861 TDZE: 852 AIRPORT NAME: CAPITAL REGION INTL			FACILITY IDENTIFIER: I-LAN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 28L, AMDT 27A						SUP: AMDT: 27 DATED 11/13/2014				

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input checked="" type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div><input checked="" type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input checked="" type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> ZOB ARTCC, LAN APP CON, LAN ATCT, AMGR</div>			
FLIGHT CHECKED BY					
NAME: <div>KENNETH EARL JACK</div>				FIFO FIOG	DATE: 08/06/2014
DEVELOPED BY					
NAME: <div>THOMAS L KIRKPATRICK</div>				FIFO AJV-5422	DATE: 03/04/2016
APPROVED BY					
NAME: <div>GEORGE GONZALEZ</div> <div>MANAGER</div>				FIFO AJV-5420	DATE:
CHANGES:					
<div>1. REMOVED ALL REFERENCE OF BTL AT UNSUN AND MADE IT A DME FIX.</div> <div>2. CHANGED BRIEFING STRIP NOTE FROM DME OR RADAR REQUIRED TO DME REQUIRED.</div>					
REASONS:					
<div>1. BATTLE CREEK (BTL) VORTAC TO BE DECOMMISSIONED.</div> <div>2. DME NEEDED FOR MISSED APPROACH CLEARANCE LIMIT.</div>					



## U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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## ARINC SUMMARY - KLAN

## ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
QUBEE	010	QUBEE	IF	FB										E A
QUBEE	020	CFCJM	TF	FB								AA 02500		E
QUBEE	030	WIGSA	CF	FB		275.6	ILAN					AA 02500		EE B
	010	WIGSA	IF	FB			ILAN					AA 02500 GI 02400		E I
	020	BURYE	CF	FB		276.0	ILAN	3.00		OZW		GI 02400 GS 02400		E F
	030	RW28L	CF	FO		276.0	ILAN	3.00				AT 00901		GY M
	040		CA	FB		275.6						AA 02500		M
	050	UNSUB	CF	FO		280.4	VIO					AA 03000		EY
	060	UNSUB	HM	FO		100.4			R			AA 03000		EE

## POINTS

POINT NAME	LATITUDE	LONGITUDE
VIO	N424712.18	W0852949.45
ILAN (DME)	N424639.03	W0843619.14
OZW	N423800.27	W0835857.11
QUBEE	N424237.66	W0840731.00
UNSUB	N424504.72	W0850449.70
BURYE	N424637.35	W0842746.33
CFCJM	N424627.92	W0841229.69
WIGSA	N424631.98	W0841904.51
ILAN (LOC)	N424641.66	W0843620.56

## RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW28L	N424640.63	W0843409.75	00848	53.1

QUALITY  
28  
CHECKED

CITY AND STATE  
**LANSING, MI**

ELEVATION: **861** TDZE: **852**  
AIRPORT NAME:  
**CAPITAL REGION INTL**

FACILITY  
IDENTIFIER:  
**I-LAN**

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
**ILS OR LOC RWY 28L, AMDT 27A**

SUP:

AMDT: **27**DATED: **11/13/2014**

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: <div>ATA<input type="checkbox"/>    AAT<input type="checkbox"/>    ALPA<input type="checkbox"/>    APA<input type="checkbox"/>    AOPA<input type="checkbox"/>    NBAA<input type="checkbox"/>    OTHER (specify) <input type="checkbox"/> _____</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					

## U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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QUBEE	010	QUBEE	IF	FB										E A
QUBEE	020	CFCJM	TF	FB								AA 02500		E
QUBEE	030	WIGSA	CF	FB		275.6	ILAN					AA 02500		EE B
	010	WIGSA	IF	FB			ILAN					AA 02500		E I
	020	BURYE	CF	FB		276.0	ILAN			OZW		AA 02400		E F
	030	RW28L	CF	FO		276.0	ILAN	3.01				AT 00901		GY M
	040	CA	FB			275.6						AA 02500		M
	050	UNSUB	CF	FO		280.4	VIO					AA 03000		EY
	060	UNSUB	HM	FO		100.4			R			AA 03000		EE

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VIO	N424712.18	W0852949.45
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## RUNWAYS

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QUALITY  
28  
CHECKED

CITY AND STATE  
LANSING, MI

ELEVATION: 861 TDZE: 852  
AIRPORT NAME:  
CAPITAL REGION INTL

FACILITY  
IDENTIFIER:  
I-LAN

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
ILS OR LOC RWY 28L, AMDT 27A

SUP:  
AMDT: 27  
DATED: 11/13/2014

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COORDINATED WITH: <div>ATA<input type="checkbox"/>    AAT<input type="checkbox"/>    ALPA<input type="checkbox"/>    APA<input type="checkbox"/>    AOPA<input type="checkbox"/>    NBAA<input type="checkbox"/>    OTHER (specify) <input type="checkbox"/> _____</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					

## STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

## PART - A OBSTRUCTION DATA

1. APP SEGMENT		FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL		ROC		ALT. ADJUSTMENTS		MIN. ALT.			
INITIAL		QUBEE INT		WIGSA/I-LAN		1. TOWER (26-000400)		424445.87N/0841514.94W		1260 (1D)		1000				2300			
				12.70 DME/RADAR		2. TERRAIN		424612.00N/0841757.00W		998 (1000)				AS1500		2500			
INTERMEDIATE		WIGSA/I-LAN 12.70		BURYE/I-LAN 6.29		3. TOWER (26-001649)		424553.00N/0842538.00W		1290 (5D)		500		AT610		2400			
		DME/RADAR		DME/RADAR		4. TERRAIN		424615.00N/0841951.00W		985 (1000)				AS1000		2000			
FINAL: ILS		BURYE/I-LAN 6.29		DA								ASC				1052/200			
		DME/RADAR																	
FINAL: LOC		BURYE/I-LAN 6.29		4.71 MILES AFTER		5. AAO		424617.47N/0842836.11W		1050 (2C)		250				1300			
		DME/RADAR		BURYE/I-LAN															
				6.29 DME/RADAR															
				OR AT I-LAN															
				1.59 DME FIX															
2. PROCEDURE TURN		NA																	
3. MISSED APPROACH	MAP:	4.71 MILES AFTER		UNSUB/VIO 18.53								ASC				3000			
		BURYE/I-LAN 6.29		DME		6. TOWER (26-001692)		424045.00N/0850357.00W		1953 (5D)						2000			
	ELEV:	881/1050				7. TERRAIN		424009.00N/0850242.00W		965 (1000)				AS1500		2500			
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	519	8. TANK (26-006146)		424552.00N/0843247.00W		1020 (4D)		300		AC50 1380			
CATEGORY B		1.5 NM			450		519	8. TANK (26-006146)		424552.00N/0843247.00W		1020 (4D)		300		AC50 1380			
CATEGORY C		1.7 NM			450		739	9. TOWER (26-000009)		424358.00N/0843313.00W		1247 (2D)		300		AC50 1600			
CATEGORY D		2.3 NM			550		899	10. STACK (26-000056)		424308.00N/0843328.00W		1449 (3C)		300					
CATEGORY E		4.5 NM			550														
5. MINIMUM SAFE ALTITUDES																			
PRIMARY NAVAIID: OZW NDB																			
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)			
050-300		TWR (26-000991)		199/16.0		2045 (1A)		3100											
300-050		TWR (26-000063)		290/17.1		1501 (5D)		2600											
CITY AND STATE				ELEVATION: 861				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION			
LANSING, MI				AIRPORT NAME:				I-LAN				ILS OR LOC RWY 28L, AMDT 27A				AGL			
				CAPITAL REGION INTL															

