

<b>ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29</b>						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		<b>ILS: DA</b> <b>LOC: 5.31 MILES AFTER RELIN INT/I-RLE 7.21 DME OR AT I-RLE 1.90 DME FIX</b>  <b>CLIMB TO 3100 THEN CLIMBING RIGHT TURN TO 7000 DIRECT BLD VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000, OR AS DIRECTED BY ATC.</b>  <b>ALTERNATE MA: CLIMB TO 3100 THEN CLIMBING RIGHT TURN TO 7000 ON HEADING 079 AND LAS R-066 TO LAPIN INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000.</b>  <b>ADDITIONAL FLIGHT DATA:</b> HOLD SE, RT, 330.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE LAPIN INT, LT, 246.00 INBOUND. CHART FAS OBST: 2074 TREE 360427N/1150706W CHART FAS OBST: 2097 CM TWR 360417N/1150715W CHART 2665 BLDG 360511N/1151041W CHART 3229 MONUMENT 360851N/1150920W CHART VDP AT 3.36 DME* DISTANCE VDP TO THLD 1.46 MILES. *LOC ONLY. CHART (CFFMV) AT INTERSECTION OF CROWE DR LEG AND INTERMEDIATE COURSE. CHART IN PLANVIEW: LAPIN INT. CHART CIRCLING ICON.									
CROWE INT/PGS VOR/DME 46.94 DME (IAF)		PRINO INT/I-RLE 21.27 DME		210.00 / .22 (HDG) & 254.95 / 19.03 (I-RLE)				8000											
PRINO INT/I-RLE 21.27 DME (IAF)		LARRE INT/I-RLE 15.99 DME		254.95 / 5.28 (I-RLE)				6500											
LARRE INT/I-RLE 15.99 DME (IF)		SHAND INT/I-RLE 10.80 DME		254.95 / 5.20 (I-RLE)				4900											
SHAND INT/I-RLE 10.80 DME		RELIN INT/I-RLE 7.21 DME		254.95 / 3.59 (I-RLE)				3800											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT PRINO 3. FAC: <u>254.95</u> FAF: <u>RELIN INT/I-RLE 7.21 DME</u> DIST FAF TO MAP: <u>5.31</u> THLD: <u>5.31</u> 4. MIN. ALT: <u>PRINO 8000, LARRE 6500, SHAND 4900, RELIN 3800</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: <u>1124</u> 6. MIN GS INCPT: <u>3800</u> GS ALT AT: <u>RELIN 3800</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>60.0</u> 8. MSA FROM: <u>LAS VORTAC 030-120 6700, 120-210 8400, 210-300 13200, 300-030 10200</u>																MAG VAR: 15E		EPOCH YEAR: 1980	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		ILS: #		LOC: @							
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 25L	2350	3/4	281	2350	3/4	281	2350	3/4	281	2350	3/4	281	2350	3/4	281				
S-LOC 25L	2600	3/4	531	2600	3/4	531	2600	1 1/4	531	2600	1 1/4	531	2600	1 1/4	531				
SIDESTEP	2600	1	533	2600	1	533	2600	1 1/2	533	2600	2	533	2600	2	533				
CIRCLING	3080	1 1/4	899	3080	1 1/4	899	3100	2 3/4	919	3540	3	1359	3540	3	1359				
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  CHART NOTE: FOR INOPERATIVE MALSF, INCREASE S-ILS ALL CATS VISIBILITY 1/8 MILE AND S-LOC CAT D AND E 1/4 MILE. (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 2181 TDZE: 2069		FACILITY IDENTIFIER: I-RLE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
LAS VEGAS, NV		AIRPORT NAME:				ILS OR LOC RWY 25L, AMDT 5A				AMDT: 5									
		MC CARRAN INTL				21 JULY 2016				DATED 08/20/2015									

 QUALITY  
10  
CHECKED

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.

NOTES, (CONT.):  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CROWE ON V562 EASTBOUND.  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 25R.

CITY AND STATE LAS VEGAS, NV	ELEVATION: 2181 AIRPORT NAME: MC CARRAN INTL	TDZE: 2069	FACILITY IDENTIFIER: I-RLE	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 25L, AMDT 5A 21 JULY 2016	SUP:
					AMDT: 5
					DATED: 08/20/2015

QUALITY  
10  
CHECKED

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

## ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

## ARINC SUMMARY - KLAS

## 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
CROWE	010	CROWE	IF	FB										E A
CROWE	020	CFFMV	TF	FB								AA 08000		E
CROWE	030	PRINO	TF	FB								AA 08000		E
CROWE	040	LARRE	TF	FB								AA 06500		E B
CROWE	050	SHAND	CF	FB		255.0	IRLE					AA 04900		EE
PRINO	010	PRINO	IF	FB								AA 08000		E A
PRINO	020	LARRE	TF	FB								AA 06500		E B
PRINO	030	SHAND	CF	FB		255.0	IRLE					AA 04900		EE
	010	SHAND	IF	FB			IRLE					AA 04900 GI 03800		E I
	020	RELIN	CF	FB		255.0	IRLE	3.00		LAS		GI 03800 GS 03800		E F
	030	RW25L	CF	FO		255.0	IRLE	3.00				AT 02109		GY M
	040		CA	FB		255.0						AA 03100		M
	050	BLD	DF	FO					R			AA 07000		VY
	060	BLD	HM	FO		330.0			R			AA 07000		VE

## POINTS

POINT NAME	LATITUDE	LONGITUDE
BLD	N355944.84	W1145148.88
LAS	N360446.93	W1150935.27
IRLE (DME)	N360422.25	W1150953.27
CROWE	N360427.22	W1141957.82
CFFMV	N360417.82	W1142009.40
LARRE	N360424.65	W1145009.64
PRINO	N360423.60	W1144338.86
RELIN	N360425.27	W1150059.87
SHAND	N360425.13	W1145634.22
IRLE (LOC)	N360425.05	W1150953.34

## RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW25L	N360425.17	W1150732.97	02049	60.0

QUALITY  
15  
CHECKED

CITY AND STATE  
**LAS VEGAS, NV**

ELEVATION: **2181** TDZE: **2069**  
AIRPORT NAME:  
**MC CARRAN INTL**

FACILITY  
IDENTIFIER:  
**I-RLE**

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
**ILS OR LOC RWY 25L, AMDT 5A**  
**21 JULY 2016**

SUP:  
AMDT: **5**  
DATED: **08/20/2015**

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

## LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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.

## ARINC SUMMARY - KLAS

## 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
CROWE	010	CROWE	IF	FB										E A
CROWE	020	CFFMV	TF	FB								AA 08000		E
CROWE	030	PRINO	TF	FB								AA 08000		E
CROWE	040	LARRE	TF	FB								AA 06500		E B
CROWE	050	SHAND	CF	FB		255.0	IRLE					AA 04900		EE
PRINO	010	PRINO	IF	FB								AA 08000		E A
PRINO	020	LARRE	TF	FB								AA 06500		E B
PRINO	030	SHAND	CF	FB		255.0	IRLE					AA 04900		EE
	010	SHAND	IF	FB			IRLE					AA 04900		E I
	020	RELIN	CF	FB		255.0	IRLE			LAS		AA 03800		E F
	030	RW25L	CF	FO		255.0	IRLE	3.01				AT 02109		GY M
	040		CA	FB		255.0						AA 03100		M
	050	BLD	DF	FO					R			AA 07000		VY
	060	BLD	HM	FO		330.0			R			AA 07000		VE

## POINTS

POINT NAME	LATITUDE	LONGITUDE
BLD	N355944.84	W1145148.88
LAS	N360446.93	W1150935.27
IRLE (DME)	N360422.25	W1150953.27
CROWE	N360427.22	W1141957.82
CFFMV	N360417.82	W1142009.40
LARRE	N360424.65	W1145009.64
PRINO	N360423.60	W1144338.86
RELIN	N360425.27	W1150059.87
SHAND	N360425.13	W1145634.22
IRLE (LOC)	N360425.05	W1150953.34

## RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW25L	N360425.17	W1150732.97	02049	60.0

QUALITY  
15  
CHECKED

CITY AND STATE  
LAS VEGAS, NV

ELEVATION: 2181 TDZE: 2069  
AIRPORT NAME:  
MC CARRAN INTL

FACILITY  
IDENTIFIER:  
I-RLE

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
ILS OR LOC RWY 25L, AMDT 5A  
21 JULY 2016

SUP:  
AMDT: 5  
DATED: 08/20/2015