

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 ILS: DA LOC: WUMKA/I-RNO 2.46 DME					
LIBGE (IAF)		ROARS (FB)		164.08 / 6.55				9200		CLIMB TO 13000 ON THE RNAV MISSED APPROACH ROUTE TO YARKU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 13000. + MISSED APPROACH REQUIRES MINIMUM CLIMB OF 390 FEET PER NM TO 8000. ADDITIONAL FLIGHT DATA: HOLD S, RT, 346.76 INBOUND. CHART FAS OBST: 5101 BUSH 393449N/1194532W CHART VDP AT 4.70 DME DISTANCE VDP TO THLD 2.83 MILES. CHART MANDATORY 7500 AT ZOMPO. CHART AT/ABOVE 12000 AT LIBGE CHART AT/ABOVE 11000 AT WINRZ CHART CIRCLING ICON * LOC ONLY.					
ROARS		WALAR (FB)		164.12 / 4.00				8000							
WINRZ (IAF)		WALAR (FB)		213.00 / 9.70				8000							
WALAR (IF)		ZOMPO/I-RNO 12.75 DME		164.12 / 4.11				7500							
ZOMPO/I-RNO 12.75 DME		DISCS/I-RNO 10.75 DME		164.12 / 2.00 (I-RNO)				7400							
DISCS/I-RNO 10.75 DME (FAF)		HONEL/I-RNO 8.16 DME		164.12 / 2.59 (I-RNO)											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 16E EPOCH YEAR: 1985					
2. PROFILE STARTS AT WALAR															
3. FAC: 164.12 FAF: DISCS/I-RNO 10.75 DME DIST FAF TO MAP: _____ THLD: 8.89															
4. MIN. ALT: WALAR 8000, ZOMPO 7500, DISCS 7400, HONEL/I-RNO 8.16 DME 6540*															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 7400 GS ALT AT: DISCS 7400 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.10 TCH: 59.0															
8. MSA FROM: KRNO 12000															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		@					
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 16R +	4615	2400	200	4615	2400	200	4615	2400	200	4615	2400	200			
S-ILS 16R #	5138	1 7/8	723	5138	1 7/8	723	5138	1 7/8	723	5138	1 7/8	723			
S-LOC 16R	5420	4000	1005	5420	5500	1005	5420	2 1/2	1005	5420	2 1/2	1005			
CIRCLING	5420	1 1/4	1005	5420	1 1/2	1005	6480	3	2065	6480	3	2065			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. @ CAT A, B 1100-2, CAT C, D 2100-3 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LIBGE ON V165 NORTHWEST BOUND. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: RNAV 1 - GPS REQUIRED. (CONTINUED ON PAGE 2)															
CITY AND STATE RENO, NV		ELEVATION: 4415 TDZE: 4415 AIRPORT NAME: RENO/TAHOE INTL				FACILITY IDENTIFIER: I-RNO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS X OR LOC X RWY 16R, ORIG 26 MAY 2016				SUP: AMDT: NONE DATED			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HONEL/I-RNO 8.16 DME	WUMKA/I-RNO 2.46 DME (MAP)	164.12 / 5.70 (I-RNO)	
WUMKA/I-RNO 2.46 DME (MAP)	4615 MSL	164.12	
4615 MSL	ZAKBI (FB)		
ZAKBI	USINE (FB)	179.59 / 6.69	
USINE	YARKU (FO)	124.37 / 9.36	13000

NOTES, (CONT.):

CHART NOTE: DME REQUIRED.

CHART NOTE: CIRCLING TO RWY 25 NA AT NIGHT.

#CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 16R ALL CATS VISIBILITY TO 2 1/2 MILE.

CHART PLANVIEW NOTE AT LIBGE : AT 230 KIAS.

CHART PLANVIEW NOTE AT WINRZ : AT 230 KIAS.

CITY AND STATE
RENO, NV

ELEVATION: 4415 TDZE: 4415
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RENO/TAHOE INTL

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PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
ILS X OR LOC X RWY 16R, ORIG
26 MAY 2016

SUP: 4
AMDT: NONE
DATED:

QUALITY
4
CHECKED

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 - KRNO

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
LIBGE	010	LIBGE	IF	FB								AA 12000	AT 230	E A
LIBGE	020	ROARS	TF	FB								AA 09200		E
LIBGE	030	WALAR	TF	FB								AA 08000		E B
LIBGE	040	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
WINRZ	010	WINRZ	IF	FB								AA 11000	AT 230	E A
WINRZ	020	WALAR	TF	FB								AA 08000		E B
WINRZ	030	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
	010	ZOMPO	IF	FB			IRNO					AT 07500 GI 07400		E I
	020	DISCS	CF	FB		164.0	IRNO	3.10		KRNO		GI 07400 GS 07400		E F
	030	RW16R	CF	FO		164.0	IRNO	3.10				AT 04474		GY M
	040		CA	FB		164.1						AA 04615		M
	050	ZAKBI	DF	FB										E
	060	USINE	TF	FB										E
	070	YARKU	TF	FO								AA 13000		EY
	080	YARKU	HM	FO		346.8			R			AA 13000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
IRNO (DME)	N392848.05	W1194605.75
LIBGE	N395614.09	W1194605.38
YARKU	N390822.93	W1194049.12
DISCS	N393933.77	W1194607.77
ROARS	N394940.90	W1194606.12
USINE	N391536.11	W1194829.49
WALAR	N394540.71	W1194606.78
WINRZ	N395203.36	W1193636.92
ZAKBI	N392203.17	W1194610.61
ZOMPO	N394133.88	W1194607.44
IRNO (LOC)	N392849.52	W1194609.50

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW16R	N393039.96	W1194609.22	04415	59.0

QUALITY
15
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CITY AND STATE
RENO, NV

ELEVATION: **4415** TDZE: **4415**
AIRPORT NAME:
RENO/TAHOE INTL

FACILITY
IDENTIFIER:
I-RNO

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS X OR LOC X RWY 16R, ORIG
26 MAY 2016

SUP:
AMDT: **NONE**
DATED:

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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ARINC SUMMARY - KRNO

ROUTES

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LIBGE	010	LIBGE	IF	FB								AA 12000	AT 230	E A
LIBGE	020	ROARS	TF	FB								AA 09200		E
LIBGE	030	WALAR	TF	FB								AA 08000		E B
LIBGE	040	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
WINRZ	010	WINRZ	IF	FB								AA 11000	AT 230	E A
WINRZ	020	WALAR	TF	FB								AA 08000		E B
WINRZ	030	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
	010	ZOMPO	IF	FB			IRNO					AT 07500		E I
	020	DISCS	CF	FB		164.0	IRNO			KRNO		AA 07400		E F
	021	HONEL	CF	FB		164.0	IRNO	3.11				AA 06540		E S
	030	WUMKA	CF	FO		164.0	IRNO	3.11				AT 04672		EY M
	040	CA	FB			164.1						AA 04615		M
	050	ZAKBI	DF	FB										E
	060	USINE	TF	FB										E
	070	YARKU	TF	FO								AA 13000		EY
	080	YARKU	HM	FO		346.8			R			AA 13000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
IRNO (DME)	N392848.05	W1194605.75
LIBGE	N395614.09	W1194605.38
YARKU	N390822.93	W1194049.12
DISCS	N393933.77	W1194607.77
HONEL	N393658.28	W1194608.20
ROARS	N394940.90	W1194606.12
USINE	N391536.11	W1194829.49
WALAR	N394540.71	W1194606.78
WINRZ	N395203.36	W1193636.92
WUMKA	N393115.99	W1194609.12
ZAKBI	N392203.17	W1194610.61
ZOMPO	N394133.88	W1194607.44
IRNO (LOC)	N392849.52	W1194609.50

RUNWAYS

THRESHOLD

THRESHOLD

THRESHOLD

PROCEDURE

QUALITY
15
CHECKED

CITY AND STATE
RENO, NV

ELEVATION: **4415** TDZE: **4415**
AIRPORT NAME:
RENO/TAHOE INTL

FACILITY
IDENTIFIER:
I-RNO

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS X OR LOC X RWY 16R, ORIG
26 MAY 2016

SUP:
AMDT: **NONE**
DATED:

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.	
RUNWAY	LATITUDE	LONGITUDE	ELEVATION	TCH	
RW16R	N393039.96	W1194609.22	04415	59.0	
CITY AND STATE RENO, NV		ELEVATION: 4415 TDZE: 4415 AIRPORT NAME: RENO/TAHOE INTL		FACILITY IDENTIFIER: I-RNO	
				PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS X OR LOC X RWY 16R, ORIG 26 MAY 2016	
				SUP: AMDT: NONE DATED:	

QUALITY
 15
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