

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: I-RTS 1.45 DME CLIMB TO 6740 THEN CLIMBING RIGHT TURN TO 14000 ON HEADING 355.72 AND FMG VORTAC R-314 TO HALLE INT/FMG 27.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 14000. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 313.71 INBOUND. FAS OBST: 5679 AAO 393503N/1194808W. CHART FMG VORTAC CHART 34.39 HZN DME AT CEVAP. CHART 29.81 SWR DME AT CEVAP. CHART VDP AT 6.59 DME; DISTANCE VDP TO THLD 5.14 NM										
SWR VOR/DME		ARPAW/SWR 21.81 DME		040.75 / 21.81			13000												
ARPAW/SWR 21.81 DME		CEVAP INT/SWR 29.81 DME		040.75 / 8.00 (SWR R-041)			11700												
HZN VORTAC		CEVAP INT/HZN 34.39 DME		246.76 / 34.39			9500												
CEVAP INT/I-RTS 15.67 DME (IF/IAF)		AYALU INT/I-RTS 11.62 DME (TF) (FB)		317.59 / 4.05 (I-RTS)			8200												
AYALU INT/I-RTS 11.62 DME		JEBMI INT/I-RTS 7.37 DME (TF) (FB)		317.59 / 4.25 (I-RTS)			7000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE CEVAP, RT, 317.59 INBOUND, 9400 FT. IN LIEU OF PT (IAF) 3. FAC: 317.59 FAF: JEBMI INT/I-RTS 7.37 DME DIST FAF TO MAP: _____ THLD: 5.92 4. MIN. ALT: CEVAP 9400, AYALU 8200, JEBMI 7000 5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ - 150 HAT: _____ - 100 HAT: _____ - GS ANT: 765 6. MIN GS INCPT: 7000 GS ALT AT: JEBMI 7000 OM: _____ - _____ MM: _____ - _____ IM: _____ - 7. GS ANGLE: 3.00 TCH: 40.3 8. MSA FROM: FMG VORTAC 12000																MAG VAR: 16E		EPOCH YEAR: 2000	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A <input checked="" type="checkbox"/> X											
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 32	6425	3	1380	6425	3	1380	6425	3	1380	6425	3	1380							
S-LOC 32	6720	1 1/4	1675	6720	1 1/2	1675	6720	3	1675	6720	3	1675							
CIRCLING	6720	1 1/4	1670	6720	1 1/2	1670	6720	3	1670	6720	3	1670							
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: PROCEDURE NA AT NIGHT. CHART PLANVIEW AND PROFILE NOTE: FOR S-ILS 32 FLY VISUAL TO AIRPORT, 318 DEGREES - 4.2 MILES, AND 4.6 MILES WHEN USING RENO/TAHOE ALTIMETER SETTING. (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 5050 TDZE: 5045		FACILITY IDENTIFIER: I-RTS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 32, ORIG-A						SUP: ILS OR LOC/DME RWY 32							
RENO, NV		AIRPORT NAME: RENO/STEAD										AMDT: ORIG							
												DATED 07/02/2009							

QUALITY
9
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div></div>		AAT <div></div>		ALPA <div>X</div>	
APA <div></div>		AOPA <div>X</div>		NBAA <div>X</div>	
OTHER (specify)		<div>X</div> ZOA, RNO APP CON, AMGR			
Digitally signed by					
FLIGHT CHECKED BY DION E LANCIA					
NAME:		Dec 15, 2017		FIFO	DATE:
FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW FLIGHT INSPECTION TEAM (AJW-333) MEMO, MAY 30, 2017.					
DEVELOPED BY Digitally signed by					
NAME:		JASON KRETSCHMER		FIFO	DATE:
JASON KRETSCHMER		Sep 15, 2017		AJV-5423	09/15/2017
APPROVED BY					
NAME:		Digitally signed by		FIFO	DATE:
JULIE A. MORGAN		DION E LANCIA		AJV-5420	
MANAGER					
CHANGES:					
Dec 15, 2017					
1. CHANGED PROCEDURE NAME FROM "ILS OR LOC/DME RWY 32" TO "ILS OR LOC RWY 32".					
2. ADDED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVAL ON SWR VOR/DME AIRWAY RADIALS 004 CW 062."					
3. ADDED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVAL ON HZN VORTAC AIRWAY RADIALS 227 CW 255."					
4. ADDED "CHART NOTE: VDP NA WHEN USING RENO/TAHOE INTL ALTIMETER SETTING."					
5. ADDED "CHART NOTE: DME REQUIRED."					
REASONS:					
1. CHANGED NAMING CONVENTION IAW 8260.19G PARA 1-1-5.A.(5).					
2. T331 ADDED TO ENROUTE STRUCTURE.					
3. NOTE REQUIRED FOR FEEDER OVER A FACILITY IAW 8260.19H.					
4. VDP ESTABLISHED WITH BACK-UP REMOTE ALTIMETER SOURCE PROVIDED IAW 8260.19H.					
5. EQUIPMENT REQUIREMENT NOTE ADDED DUE TO PROCEDURE NAME CHANGE IAW 8260.19H.					



ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RENO/TAHOE INTL ALTIMETER SETTING AND INCREASE ALL DA/MDA 120 FEET. VDP NA WHEN USING RENO/TAHOE INTL ALTIMETER SETTING.
CHART PROFILE NOTE: USE I-RTS DME WHEN ON THE LOCALIZER COURSE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SWR VOR/DME AIRWAY RADIALS 004 CW 062.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HZN VORTAC AIRWAY RADIALS 227 CW 255.
CHART NOTE: VDP NA WHEN USING RENO/TAHOE INTL ALTIMETER SETTING.
CHART NOTE: DME REQUIRED.



CITY AND STATE RENO, NV	ELEVATION: 5050	TDZE: 5045	FACILITY IDENTIFIER: I-RTS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 32, ORIG-A	SUP: ILS OR LOC/DME RWY 32
	AIRPORT NAME:				AMDT: ORIG
	RENO/STEAD				DATED: 07/02/2009

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div> <div></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	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.		
FEEDER		SWR VOR/DME		ARPAW/SWR 21.81		1. AAO	392034.70N/1195454.70W	10976 (6A)	2000		13000		
				DME		2. TERRAIN	392034.70N/1195454.70W	10776 (10800)		AS1500	12300		
FEEDER: STEPDOWN		ARPAW/SWR 21.81		CEVAP INT/SWR		3. AAO	392436.00N/1195512.00W	9613 (4E)	2000		11700		
		DME		29.81 DME		4. TERRAIN	392436.00N/1195512.00W	9413 (9400)		AS1500	10900		
FEEDER		HZN VORTAC		CEVAP INT/HZN		5. AAO	392941.70N/1192026.00W	7474 (6A)	2000		9500		
				34.39 DME		6. TERRAIN	392941.70N/1192026.00W	7274 (7300)		AS1500	8800		
INTERMEDIATE		CEVAP INT/I-RTS		AYALU INT/I-RTS		7. AAO	392423.86N/1195051.69W	7039 (2C)	500	DG661	8200		
		15.67 DME		11.62 DME		8. TERRAIN	392803.00N/1194200.00W	6044 (6000)		AS1000	7000		
		(IF/IAF)											
INTERMEDIATE:		AYALU INT/I-RTS		JEBMI INT/I-RTS		9. AAO	393435.51N/1194803.14W	5479 (2C)	500	DG1021	7000		
STEPDOWN		11.62 DME		7.37 DME		10. TERRAIN	393435.51N/1194803.14W	5279 (5300)		AS1000	6300		
FINAL: ILS		JEBMI INT/I-RTS		DA					ASC	MA1180	6425/1380		
		7.37 DME											
2. HOLD-IN-LIEU-OF-PT		CEVAP		P-10		12. AAO	391902.60N/1194012.70W	8064 (6A)	1000	PR277	9400		
						13. TERRAIN	391902.60N/1194012.70W	7864 (7900)		AS1500	9400		
3. MISSED APPROACH	MAP:		I-RTS 1.45 DME		HALLE INT/FMG		14. AAO	394641.20N/1195103.90W	7389 (2C)	ASC	14000		
					27.00 DME		14. AAO	394641.20N/1195103.90W	7389 (2C)	1000	8400		
	ELEV:		5742/6470				15. TERRAIN	394641.20N/1195103.90W	7189 (7200)		AS1500	8700	
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.									
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	1670	16. TREE	394141.14N/1195128.01W	5479 (2C)	300	SI	6720
CATEGORY B		1.5 NM			450		1670	17. TREE	394142.22N/1195110.86W	5599 (2C)	300	SI	6720
CATEGORY C		1.7 NM			450		1670	18. TREE	394213.72N/1195122.29W	5719 (2C)	300	SI	6720
CATEGORY D		2.3 NM			550		1670	19. TREE	393903.17N/1195618.72W	6078 (2C)	300	SI	6720
CATEGORY E		4.5 NM			550								
5. MINIMUM SAFE ALTITUDES													
PRIMARY NAVAIID: FMG VORTAC													
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A				
360-360	AAO	211/16.5	10976 (6A)	12000									
CITY AND STATE		ELEVATION: 5050			FACILITY		PROCEDURE AND AMENDMENT NO:			REGION			
RENO, NV		AIRPORT NAME: RENO/STEAD			I-RTS		ILS OR LOC RWY 32, ORIG-A			AWP 9 QUALITY CHECKED			

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

ON
AWP 9
QUALITY
CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:	
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING				
SATISFACTORY ON:					N W S	OTHER:		SOURCE:			
					F A A			DISTANCE:			
					A / C			HOURS REMOTE OPERATION:			
	V H F		U H F		H F	LOCATION:			ADJUSTMENT:		
4. MONITOR STATUS		PRIMARY NAVAID:									
		MONITOR POINT:									
		HRS	CAT 1								
		OPTN:	CAT 3								
5. APPROACH & RUNWAY LIGHTING			ALS								
			(S) SALS								
			MALS								
			HIRL								
			MIRL								
			REIL								
			TDZ								
			C/LINE								
6. RUNWAY MARKINGS		BASIC									
		ALL WEATHER									
		INSTRUMENT									
7. RUNWAY VISUAL RANGE		APPROACH									
		MIDFIELD									
		ROLL OUT									
8. GLIDE PATH		GP ANGLE:				ELEV RWY THRESHOLD:					
		DISTANCE FROM RWY:				ELEV GP ANTENNA:					
						THRESHOLD CROSSING HEIGHT:					
9. FINAL APPROACH COURSE AIMING				RUNWAY THRESHOLD					FT. FROM THRESHOLD		
				ON CENTERLINE					FT. FROM CENTERLINE		
10. WAIVERS:											
PART D - PREPARED BY:										DATE:	
TITLE:										OFFICE:	