

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
404/2021		Edelweiss 1		Training		222000NOV21	
Task	IFR, AAR, Formation					Freq	
AO						261.25	
Departure				Recovery			
MORMON MESA FOUR				HI-TACAN Z RWY 21L			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Edelweiss 1-1	Razorback		1201	21Y	1561	
-2	Edelweiss 1-2	Butcher		1202	84Y	1562	
-3	Edelweiss 1-3	Ghost		1203	84X	1563	

LOADOUT			
A/A	2xA9L, A7M		GUN 100% HEI-T
A/G			CHF 120
POD	TGP		FLR 0
TKS	3xFPU-8A		FUEL 50%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	12133				

AIRBASES								
	Name	TCN	ATIS	GND	TWR	RWY	Elev	ILS
Dep	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Arr	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Div	Creech AFB	87X	290.45	275.8	360.6			

FLIGHTPLAN				
#	Name	Navaid/Coords/DME	ALT	TOT
1	MMM	N36 46.157 W114 16.648	21000	
2	BTY	N36 48.035 W116 44.858	22000	
3	OAL	N38 00.195 W117 46.227	22000	
4	Roundevous	N37 29.900 W118 07.370	22000	
5	BTY	N36 48.035 W116 44.858	21000	
6	WHIGG	N35 40.480 W115 31.420	21000	
7	BLD	N35 59.750 W114 51.820	8000	
8	LOC LAS	N36 04.770 W114 53.400	5000	
9	LAS	N36 04.782 W115 09.588		
10	WHIGG	N35 30.480 W115 31.420	6000	
11	BLD	N35 59.750 W114 51.820	21000	
12	SUVIE	N36 21.570 W114 48.290	21000	
13	ARCOE	LSV 357/30 (N36 44.260 W114 55.020)	20000	

COMMS	
Radio	Usage
1	ATIS 270.1, 3, 4, 16, ARCO1 319.8, 16, LSV 119.90, 16, ATIS 270.1, 4, 3

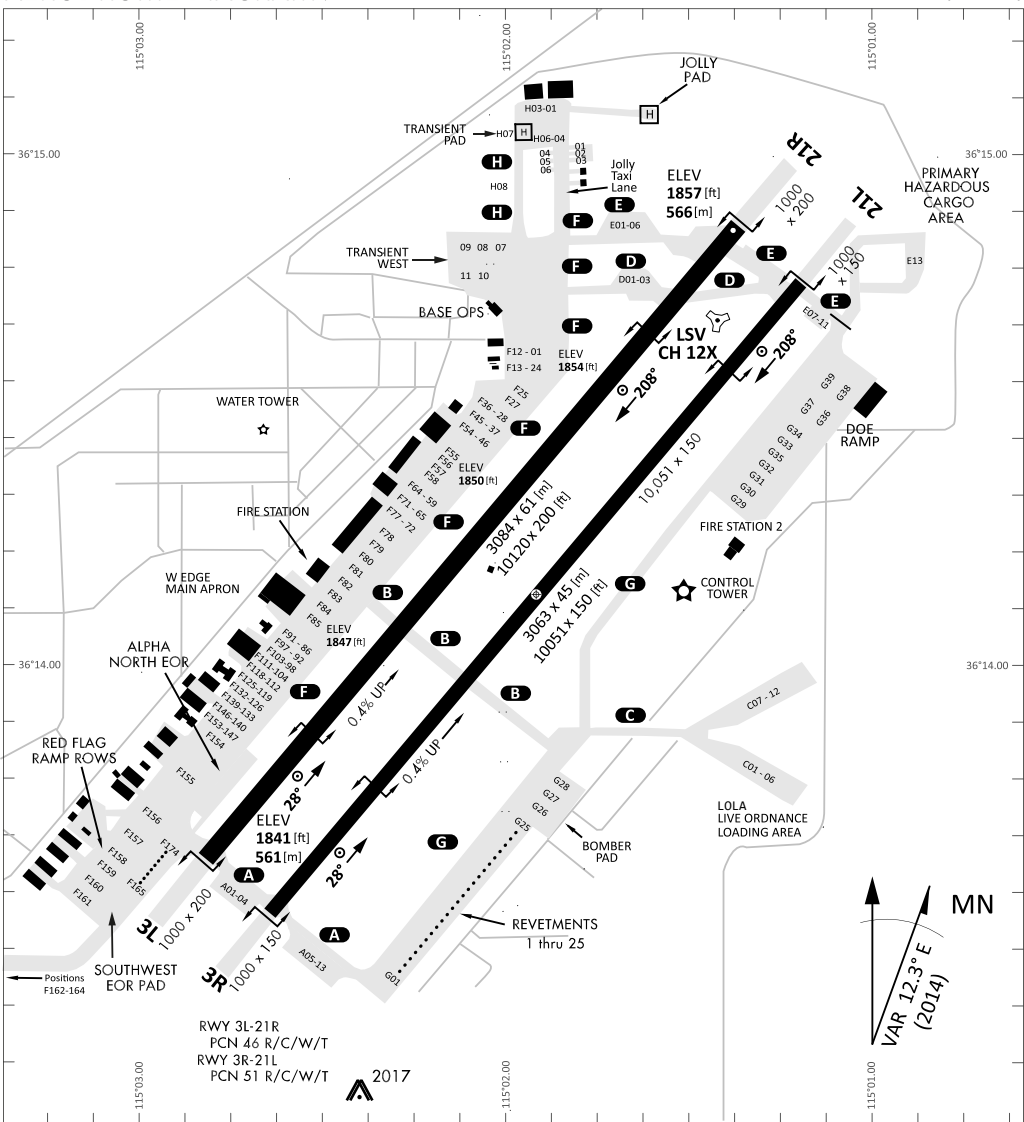
SUPPORT				
Tanker				
Callsign	TCN	Freq	ALT	TAS
ARCO 1	113Y	319.8	FL250	450
	Pos	AR-625: MVA 168/77 (N3717 W11802)		

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Edelweiss 2	Training	3x F-16C	261.25	21/84		156X
	AO		Task	IFR, AAR, Formation		
Edelweiss 3	Training	3x F-14B	261.25	21/84		156X
	AO		Task	IFR, AAR, Formation		
Edelweiss 6	Training	2x A-10C	134.65	21/84	40	166X
	AO	Elgin	Task	AAR & Formation Training (Night)		
Monster 1	Training	3x A-10C	132.15	25/88	21	161X
	AO	R64	Task	Buddy Lasing with Mavericks		
T-Rex 2	Training	2x A-10C	132.25	27/90	25	165X
	AO	R63	Task	Buddy Lasing with Mavericks		
Lion 1	Training	3x F-16C	134.0	41/104		158X
	AO	R61	Task	A2G JDAMs Rader Training		
Panther 5	Training	4x F/A-18C	261.35	31/94		157X
	AO	North War/ SA-11 active	Task	Training PreBriefed HARM		

RADIO CHANNELS		
#	Freq	Name
1		Flight/Squadron specific
2	289.4	Nellis Clearance Delivery
3	275.8	Nellis Ground
4	327.0	Nellis Tower
5	385.4	Nellis Approach/Departure West
6	273.55	Nellis Approach/Departure East
7	317.525	Nellis Control -- Sally
8	254.4	Nellis Control-- Lee
9	305.6	SOF Bullseye
10	343.725	EMERGENCY SINGLE FRQ
11	270.1	Nellis ATIS
12	360.625	Creech AFB Tower
13	250.1	HAVE QUICK 13
14	251.1	HAVE QUICK 14
15	252.1	HAVE QUICK 15
16	377.8	Blackjack
17	265.0	KC-135 AR-641A
18	360.8	KC-135MPRS AR-635
19	319.8	KC-135MPRS AR-625
20	300.05	KC-135 AR-231V

RAMROD										
0	1	2	3	4	5	6	7	8	9	
C	H	A	R	M	I	N	G	L	Y	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	XMUA	KGB	HYD	FE	TO	LWN	VC	IJ	PQ	RS
B	LCDO	FUA	KJP	HV	XB	TMI	EY	SG	NR	QW
C	IUSY	HAX	NKJ	WD	OT	QRP	BF	GL	CM	EV
D	TPNI	XKE	FAO	UW	JY	QSM	GH	VB	CR	DL
E	FOWK	CVG	QMJ	BD	PE	RUA	NS	IY	LT	XH
F	FPSB	TIC	EDX	JY	QA	WGM	KV	NH	OU	RL
G	TNFB	RIA	VKE	CO	XY	HMD	LJ	GU	QS	WP
H	VXIH	BNF	OAT	PY	LK	RJE	DM	GU	SQ	CW
I	MXWY	HKB	CFJ	LR	QE	DUN	GA	OV	ST	PI
J	MTWQ	BVR	UDA	FG	YN	OHX	IC	KJ	LE	SP
K	AYOL	QDS	JFW	VR	XB	PKT	UI	EH	NM	CG
L	BMPL	XQR	FKJ	IN	EW	TGY	US	HV	CD	OA
M	GXVD	KUB	FRP	MT	NW	HSE	QY	OJ	CL	AI
N	HRAV	WJS	MIT	QL	PF	BYK	CU	NX	OD	EG
O	GXMT	BRN	HJQ	EL	VA	KPS	IO	WC	YF	DU
P	TIPN	JXH	OVL	DU	MB	CRY	GW	QS	FK	EA
Q	DATO	SLN	CUH	YM	WJ	RKP	QV	XI	EF	BG
R	HXLT	GWV	YPA	NF	KU	SOR	BC	MI	JD	QE
S	CVKM	ROE	FDW	XG	YU	SQT	IL	JN	PB	HA
T	LVIT	OYC	RPK	BJ	UD	EXW	MQ	HN	SF	GA
U	RCPL	BUD	ETG	SW	IO	HNA	XY	KM	JF	VQ
V	DMCT	LXE	UFI	SQ	AO	GYB	RH	KN	JW	PV
W	TKXQ	RWS	BNI	CH	AU	YOM	FD	LJ	EG	PV
X	FGWE	CJA	PTD	KY	MO	HRN	BQ	LV	XI	SU
Y	JQGL	FHW	OKU	BA	VP	IRS	YE	MN	DX	CT

NAVAIDS				
Id	Name	Channel	Position	Elevation
BCE	Bryce Canyon	75	N3741.35 W11218.23	9040
BIH	Bishop	33	N3722.62 W11821.99	4114
BLD	Boulder	114	N3559.75 W11451.82	3650
BTY	Beatty	94	N3648.54 W11644.86	2925
CDC	Cedar City	120	N3747.24 W11304.90	5463
DAG	Daggett	79	N3457.75 W11634.69	1760
EED	Needles	99	N3445.96 W11428.43	650
GFS	Goffs	91	N3507.87 W11510.59	4019
GRL	Groom Lake	18	N3713.91 W11548.16	4475
HEC	Hector	74	N3447.83 W11627.78	1854
ILC	Wilson Creek	110	N3815.02 W11423.65	9318
INS	Creech AFB	87	N3635.20 W11540.12	3101
LAS	McCarran Intl	116	N3604.78 W11509.59	2142
LSV	Nellis	12	N3614.68 W11501.50	1864
MLF	Milford	58	N3821.62 W11300.79	4977
MMM	Mormon Mesa	90	N3646.16 W11416.65	2120
MVA	Mina	98	N3833.92 W11801.97	7860
OAL	Coale Dale	124	N3800.20 W11746.23	4800
PGS	Peach Springs	57	N3537.48 W11332.67	4754
TPH	Tonopah Muni	119	N3801.84 W11702.01	5330
TQQ	Silverbow	77	N3748.00 W11647.00	5500
UTI	St George	23	N3705.29 W11335.53	2871

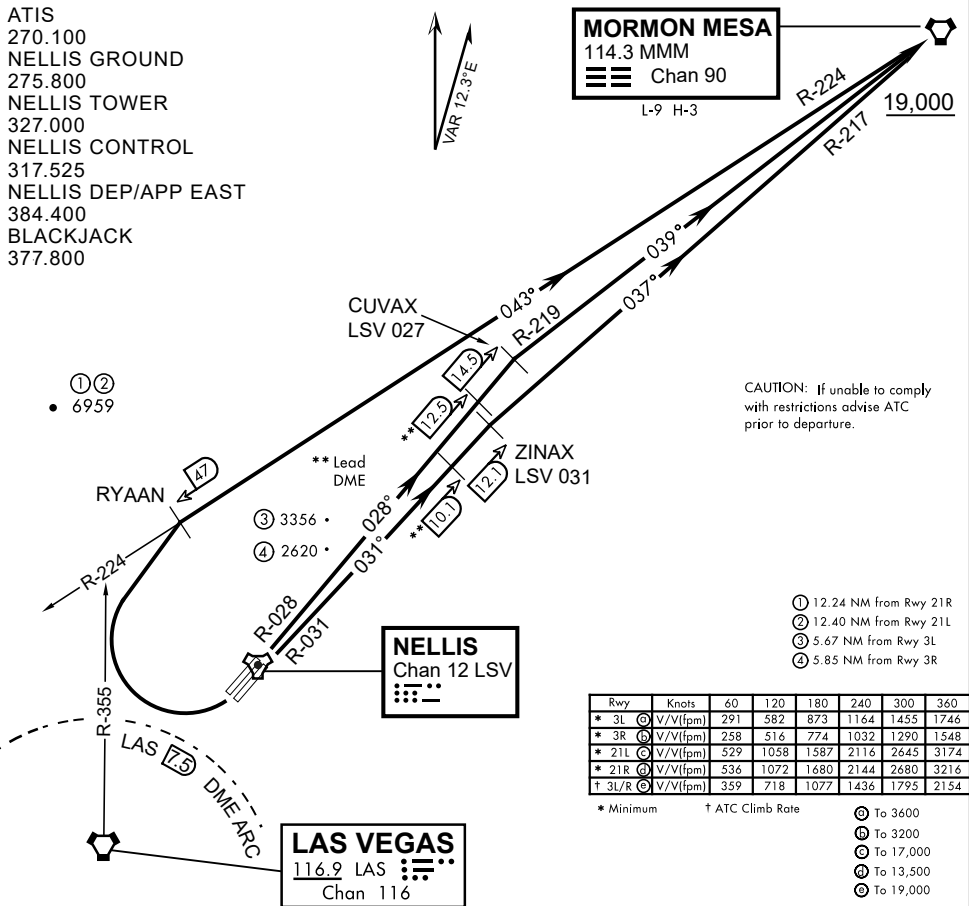


PAR	RWY	CAT	MINIMA	ARP	ELEV	Scale
	21L	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3"	36° 14.060° N	1857 [ft]	0 300 600 900 1200 1500 [m]
	3R	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3"	115° 01.058° W	566 [m]	0 1000 2000 3000 4000 5000 [ft]
SRA	21R	A C D E	2257 - 1.2 350 (350-1.2/1.6)			
	3L	A C D E	2257 - 1.2 350 (350-1.2/1.6)			

RWY	TORA	TODA	ASDA	LDA	PSN THR	ALS
21L	10051 [ft] 3063 [m]	11051 [ft] 3368 [m]	11051 [ft] 3368 [m]	10051 [ft] 3063 [m]	36°14.043°N 115°01.018°W	⊕
3R	10120 [ft] 3084 [m]	11120 [ft] 3398 [m]	11120 [ft] 3398 [m]	10120 [ft] 3084 [m]	36°13.029°N 115°02.038°W	

ATIS	NELLIS GROUND	NELLIS TOWER	NELLIS CONTROL	TACAN	ILS RWY 21L	NELLIS EAST	NELLIS WEST
270.100 Mhz	275.800 121.800	327.000 132.55	317.525	LSV 12X	109.10 Mhz	384.400	385.000

ATIS
270.100
NELLIS GROUND
275.800
NELLIS TOWER
327.000
NELLIS CONTROL
317.525
NELLIS DEP/APP EAST
384.400
BLACKJACK
377.800



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 3L

- Fly runway heading to intercept the LSV TACAN R-027 then direct CUVAX, intercept the MMM VORTAC R-219 then direct MMM climbing to FL190 or as assigned, then via assigned route.

TAKE-OFF RWY 3R

- Fly runway heading to intercept the LSV TACAN R-031 then direct ZINAX, intercept the MMM VORTAC R-217 then direct MMM, climbing to FL190 or as assigned, then via assigned route.

TAKE-OFF RWY 21L/R

- Turn right to intercept MMM VORTAC R-224 prior to MMM 47 DME, remain North of the LAS VORTAC 7.5 DME, remain East of LAS R-355, intercept MMM R-224 then direct MMM cross MMM at or above FL190, then via assigned route.

NOISE ABATMENT PROCEDURES: Fly acc. Nellis Noise Abatement instructions

HI-TACAN Z RWY 21L

TACAN LSV Chan 12	APCH CRS 210°	Rwy ldg 21L 10,051 TDZE 1865 Arpt Elev 1869	Rwy ldg 21R 10,120 TDZE 1869
----------------------	------------------	---	---------------------------------

JAL-227 [USAF]

NELLIS AFB (KLSV)

▼* When ALS inop, increase CAT CDE vis to 1½ miles.
 ** Circling not authorized E of Rwy 3R-21L.



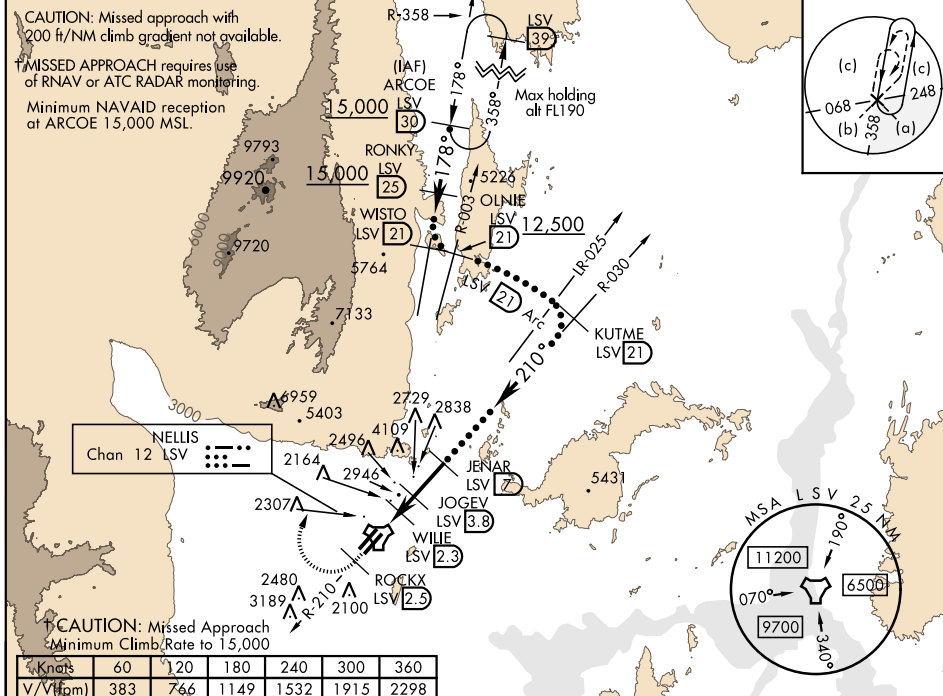
† MISSED APPROACH: Climb to 15,000, intercept LSV TACAN R-210 to 2.5 DME (ROCKX), then climbing right turn heading 020° to join LSV R-358 to ARCOE and hold, continue climb in hold to 15,000. Missed approach not for civil use.

ATIS 270.1	NELLIS APP CON 124.95 273.55	NELLIS TOWER 132.55 327.0	GND CON 121.8 275.8	CLNC DEL 120.9 289.4
---------------	---------------------------------	------------------------------	------------------------	-------------------------

CAUTION: Missed approach with 200 ft/NM climb gradient not available.

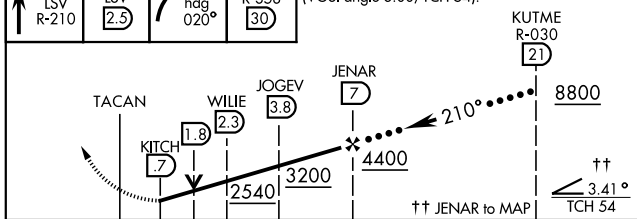
† MISSED APPROACH requires use of RNAV or ATC RADAR monitoring.

Minimum NAVAID reception at ARCOE 15,000 MSL.



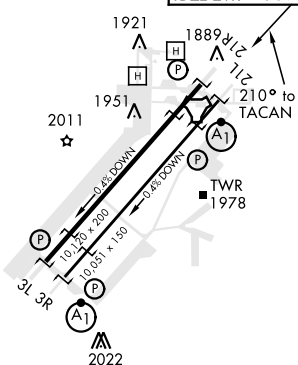
Knots	60	120	180	240	300	360
V/V _{100m}	383	766	1149	1532	1915	2298

Controlling Obstacle 6959'
 EMERG SAFE ALT 100 NM 14,000



CATEGORY	C	D	E
S-21L *	2460-1¼	595 (600-1¼)	
SIDESTEP 21R	2460-1	591 (600-1)	
◻ CIRCLING **	2620-2¼ 751 (800-2¼)	2840-3 971 (1000-3)	3040-3 1171 (1200-3)

ELEV 1869	TDZE 21L 1865 TDZE 21R 1869
-----------	--------------------------------



HIRL all Rwy

HI-TACAN Z RWY 21L



INDIAN SPRINGS, NEVADA

TACAN INS Chan 87	APCH CRS 065 °	Rwy ldg TDZE Arpt Elev	9002 3133 3113
----------------------	-------------------	------------------------------	----------------------

INDIAN SPRINGS AF AUX (KINS)

▼ * MISSED APPROACH: Straight ahead to INS TACAN, intercept INS R-outbound, cross 17 DME at or above 9500, then direkt KSV TACAN	114
--	-----

NELLIS CON -	CREECH AFB TOWER 118.30 660.60	GND CON -
-----------------	-----------------------------------	--------------

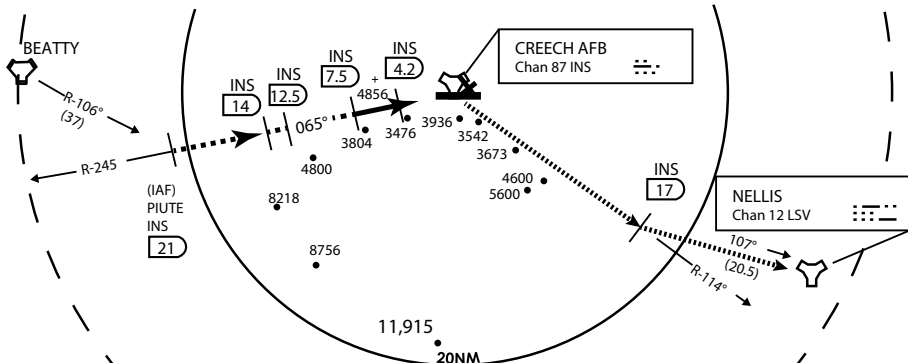
NOT FOR CIVIL USE

FOR USE UNDER BASIC VFR
WEATHER MINIMUMS ONLY

PILOT IS RESPONSIBLE FOR TERRAIN/OBSTACLE
AVOIDANCE AND
APPROPRIATE VFR CLOUD
CLEARANCE FOR ALL

CAUTION: Descent gradients
are greater than allowed under standard
TERPS criteria and inbound course
does not meet straight-in criteria

CAUTION: Final approach course crosses
Runway centerline at MIDFIELD. Maneuvering
left of course required prior to landing. Do not
Maneuver farther north than the INS R- 258



* CAUTION: Missed Approach Climb Rate to 4,700

Knots	60	120	180	240	300
V/V (fpm)	230	460	690	920	1150

Controlling Obstacle

HIGH ALTITUDE FACILITIES

EMERG SAFE ALT 100 NM 14,000

21 10,000 9000 7600 5600 4400 065° 14 12.5 7.5 4.2 2 TACAN INS 11 9500 INS R-114 INS					ELEV 3129	
10,000 9000 7600 5600 4400 065° 14 12.5 7.5 4.2 2 TACAN INS 11 9500 INS R-114 INS					31 26 3165 065° 6.3NM from FAF MIRL Rwy 8-26	
CATEGORY	A	B	C	D	E	
S-8	3760-1 ½	627 (700-1 ½)	3760-1¾	627 (700-1¾)	3760-2	627 (700-2)
CIRCLING	NOT AUTHORIZED					

CITY OF INDIAN, NEVADA

INDIAN SPRINGS AF AUX (KINS)

(FOR DAY VFR USE ONLY)

Modified by viaBoG 66 for use with DCS
NOT FOR REAL LIFE NAVIGATION



