

MISSION DATA CARD								
OPORD		Callsign		Mission		Date/Time		
588/2022		Panther 7		Training		072000FEB22		
Task	Dump Bombs (CCIP, CCRP)						Freq	
AO	R63B Bomb Circles						261.35	
Departure				Recovery				
FYTTR THREE				HI-TACAN Z RWY 21L				
#	Callsign		Pilot		IFF	TCN	LSR	NET

LOADOUT			
A/A	A9X, A7MH, C9M		GUN 100% HEI-T
A/G	4xM82SE		CHF 60
POD	TGP		FLR 60
TKS	FPU-8A		FUEL 100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	13047				

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			

NOTES

#1,#2 DMPI 1 West Bomb Circle* 3045' S PA 33460 54728
36°37.726' N 15°30.439' E AH 020 (+/-10) - SEM: turn LEFT
#3,#4 DMPI 2 East Bomb Circle 3041' S PA 35007 53762
36°37.190' N 15°29.412' E AH 020 (+/-10) - SEM: turn RIGHT

Each Pilot's Task:
2 single CCIPs runs - Tip in, dive (Hard Deck - 7500ft), in case "Off Dry" - cleared to reattack
2 single CCRP runs - Level Flight, (Release ALT - tbd), in case "Off Dry" - cleared to reattack

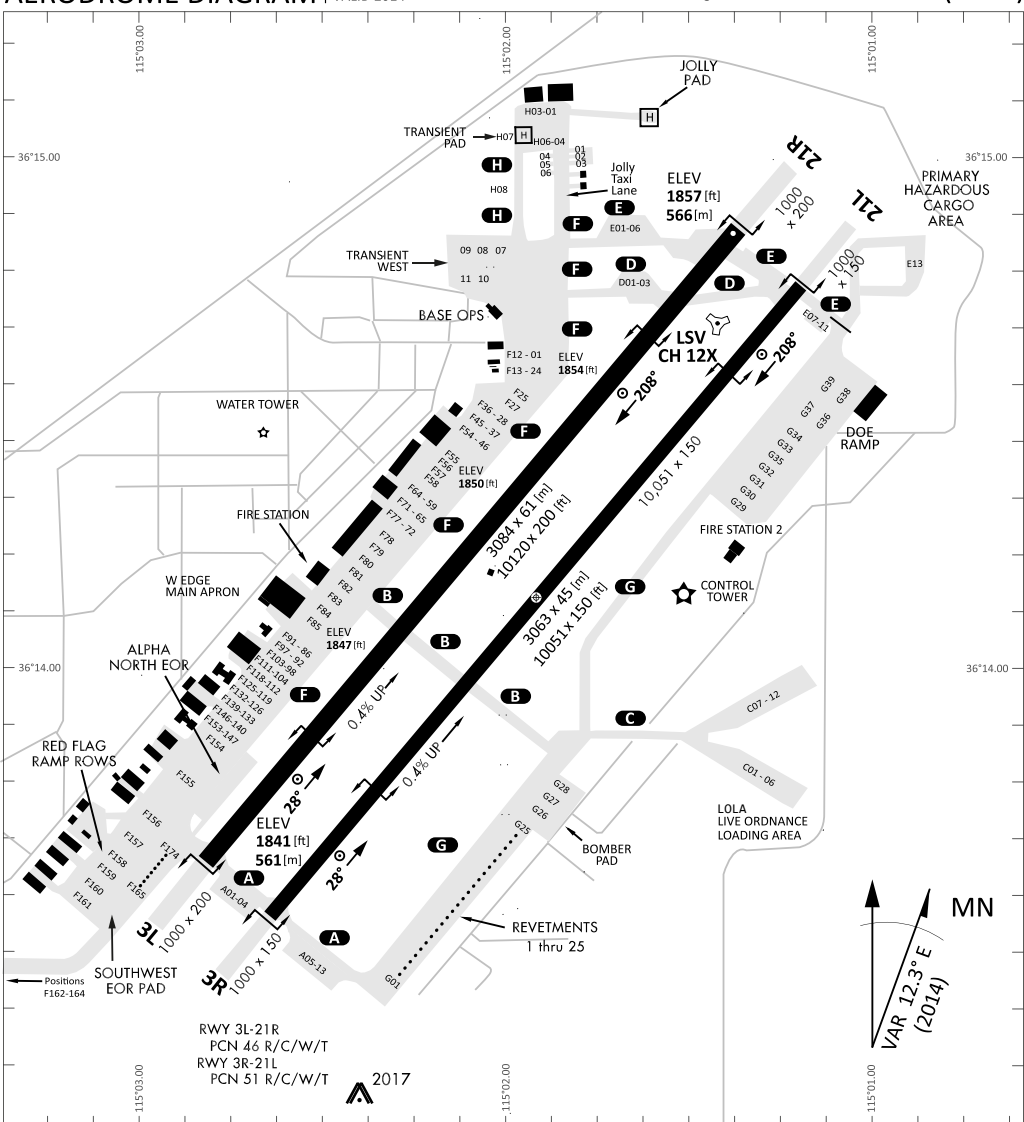
SUPPORT					
Tanker					
Callsign		TCN	Freq	ALT	TAS
SHELL 2		115Y	360.8	FL250	430
	Pos	AR-635: MLF 260/127 (N3831 W11542)			
TEXACO 1		94Y	265.0	17000	290
	Pos	AR-641A: CDC 242/78 (N3728 W11439)			

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Tiger 2	Training	4x F/A-18C	261.15	11/74		155X
	AO	RACHEL NORTH	Task	BVR Basics 1		
Tiger 3	Training	3x F/A-18C	261.35	11/74	3	155X
	AO	Range 76.21	Task	Long Range AG		
Edelweiss 4	Training	4x F-14B	264.45	21/84		174X
	AO	Student Gap	Task	Formation Procedures		
Lion 1	Training	4x F-16C	134.0	31/94		157X
	AO	Range 61	Task	HighDrag CCRP with TGP		
Zapper 1	Training	2x Ka-50	260.5	21/84		156X
	AO	West Flex	Task	reconnaissance		
T-Rex 2	Training	2x A-10C	132.25	27/90	25	165X
	AO	R65	Task	Bervities, Laser GBUs		
Monster 1	Training	2x A-10C	132.5	25/88	21	161X
	AO		Task	Laser Bombs Range 64		
Tiger 1	Training	4x F/A-18C	261.15	11/74	1	155X
	AO	RACHEL NORTH	Task	BVR Basics 1		
Edelweiss 1	Training	4x F/A-18C	264.35	21/84	40	172X
	AO		Task	Training		

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	
D	E	X	T	R	O	U	S	L	Y	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	UOQS	IWH	MNG	PB	KF	DLA	RV	TJ	XY	EC
B	DYPK	XLU	TEI	RW	FB	OHG	AV	NQ	CS	JM
C	XHGF	TON	IPK	QE	RB	VDA	MS	CJ	WL	YU
D	SIVU	JFK	LRD	NE	HA	OXW	TG	BQ	CM	PY
E	NBHA	PGR	FSU	EL	CJ	OTD	WK	IM	VX	YQ
F	SBIG	CDV	EHO	FY	NM	XWL	QK	RU	TA	JP
G	RNPV	UXJ	HMB	YG	LK	DOS	TA	FI	EQ	CW
H	GCPA	TVL	WBS	JF	HX	UMR	OY	IQ	NE	KD
I	JIDR	ATP	VKM	LS	CN	FWB	YU	OG	XH	EQ
J	SJPY	BUH	EXL	TF	QV	AGW	DN	IM	KC	OR
K	MJGF	CRW	TND	YI	KH	SLV	AU	EO	XQ	BP
L	ALEK	GOJ	XTC	VU	WR	IHS	PF	QN	MB	YD
M	CXUV	KNP	FRM	JQ	BD	GHY	EA	SW	OI	LT
N	BNCA	UMH	DQX	SE	PT	GOK	RV	JW	FY	LI
O	LNFI	DSX	WGE	OC	JT	AUK	VY	MP	HB	QR
P	XEBD	RKW	VUM	TN	JQ	LCY	PI	HA	SO	FG
Q	LAGI	YMC	SWD	NX	FQ	VEH	JB	TO	KR	PU
R	XQKY	SFV	DJM	BP	WO	TLN	GC	RI	EU	HA
S	UTQJ	WXK	MHR	DI	OG	FBC	PS	AV	LY	EN
T	TAJY	KOW	PSQ	CB	IH	MUF	VG	XL	DE	RN
U	EXJF	KPU	DLY	RI	NC	STA	HM	WG	VO	BQ
V	VNTO	DLC	MIB	SY	RU	JWA	XQ	EF	GK	PH
W	VXSC	UID	YAK	OB	PM	NJR	WT	GL	EH	QF
X	NUWF	LHI	MRO	JG	YQ	KCT	SA	VX	DP	BE
Y	NABE	TWJ	KGX	CH	FY	LOR	MQ	US	DV	IP

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 36° 14.060' N 115° 01.058' W	ELEV 1857 [ft] 566 [m]	Scale 1:35'500						
	21L	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°				0	300	600	900	1200	1500 [m]	
	3R	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°				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

FYTTR THREE DEPARTURE

NELLIS AFB (KLSV)
IFR CHART | VALID 2014 LAS VEGAS, NEVADA

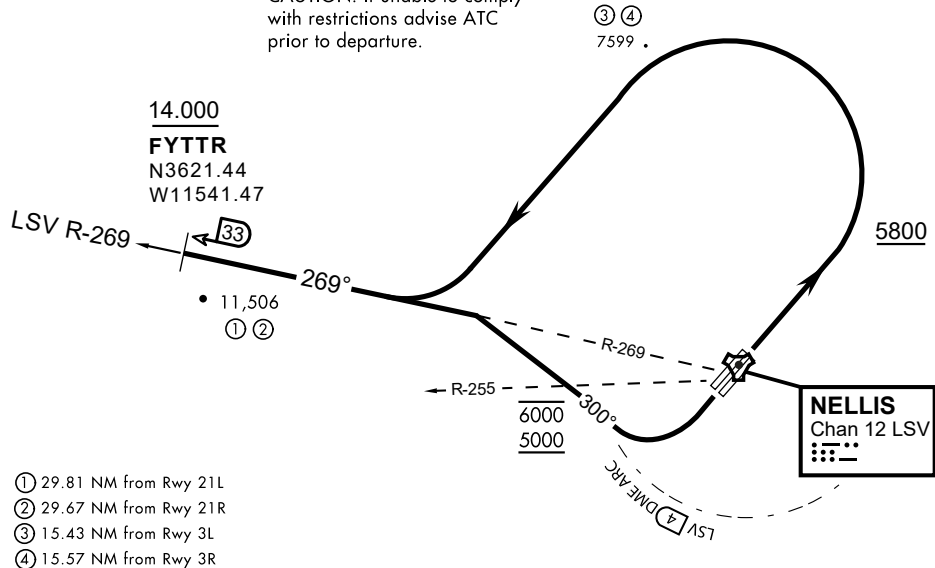
ATIS
270.100
NELLIS GROUND
275.800
NELLIS TOWER
327.000
NELLIS CONTROL
317.525
NELLIS DEP/APP EAST
384.400
BLACKJACK
377.800



Rwy	Knots	60	120	180	240	300	360
3L ①	V/V(fpm)	394	788	1182	1576	1970	2364
3R ②	V/V(fpm)	392	784	1176	1568	1960	2352
21L ③	V/V(fpm)	388	776	1164	1552	1940	2328
21R ④	V/V(fpm)	390	780	1170	1560	1950	2340

Minimum Climb Rate
① to 9300
③ to 13 500

CAUTION: If unable to comply with restrictions advise ATC prior to departure.



- ① 29.81 NM from Rwy 21L
- ② 29.67 NM from Rwy 21R
- ③ 15.43 NM from Rwy 3L
- ④ 15.57 NM from Rwy 3R

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DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R

- Fly runway heading until reaching 5,800'.
- Then climbing left turn to intercept LSV TACAN R-269 outbound.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

TAKEOFF RWY 21L/21R

- Turn right to intercept LSV TACAN R-269 outbound.
- Remain within LSV 4 DME until joining LSV R-269
- Cross R-255 between 5,000' and 6,000'.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

NOISE ABATEMENT PROCEDURES:

Fly according Nellis Noise Abatement instructions as published

HI-TACAN Z RWY 21L

TACAN LSV Chan 12	APCH CRS 210°	Rwy Idg 21L 10,051 TDZE 1865 Arpt Elev 1869	Rwy Idg 21R 10,120 TDZE 1869
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NELLIS AFB (KLSV)

T* When ALS inop, increase CAT CDE vis to 1¾ miles.
** Circling not authorized E of Rwy 3R-21L.



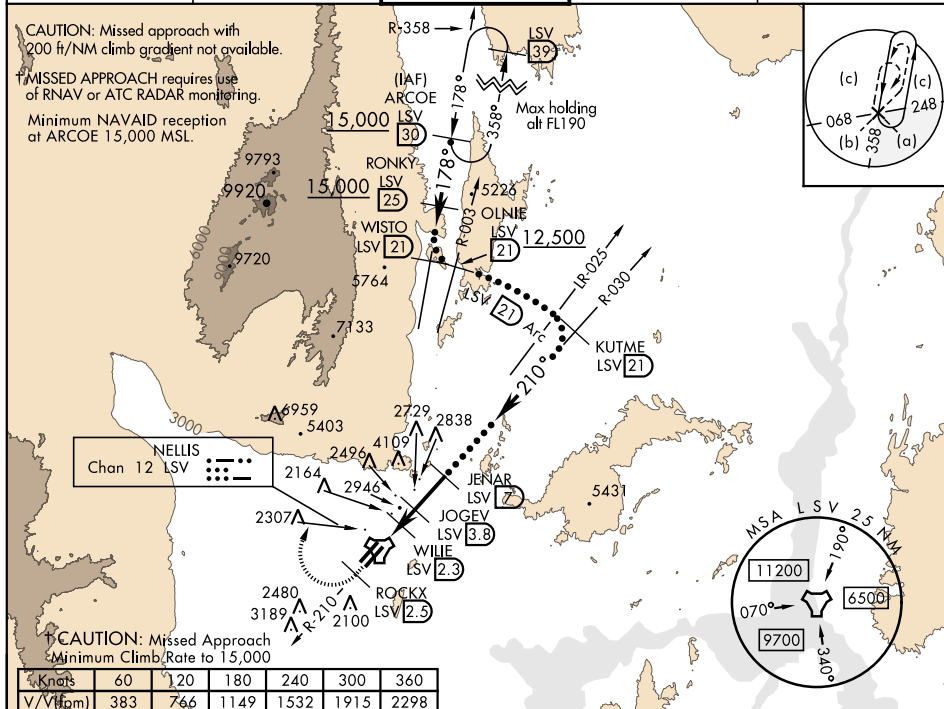
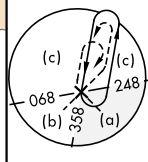
† MISSED APPROACH: Climb to 15,000, intercept LSV TACAN R-210 to 2.5 DME (ROCKX), then climbing right turn heading 020° to join LSV R-358 to ARCOE and hold, continue climb in hold to 15,000. Missed approach not for civil use.

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

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

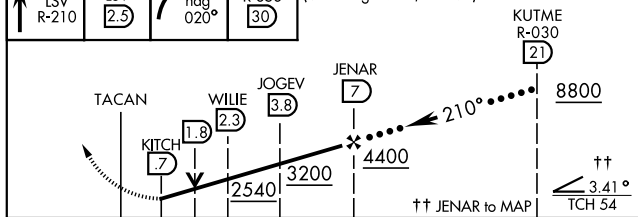
Minimum NAVAID reception
at ARCOE 15.000 MSL.



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

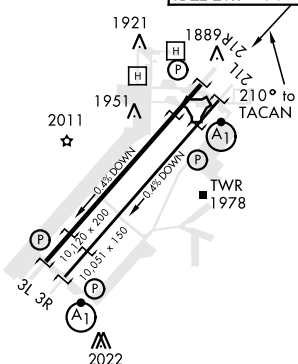
Controlling Obstacle 6959'
EMERG SAFE ALT 100 NM 14,000'

15,000 LSV	ROCKX LSV		ARCOE R-358	VGSI and descent angles not coincident (VGSI angle 3.00/TCH 54).
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		.5		1.6 NM		1.5 NM		3.2 NM			
CATEGORY		C				D				E	
S-21L *		2460-1 1/4				595 (600-1 1/4)					
SIDESTEP 21R		2460-1				591 (600-1)					
C CIRCLING **		2620-2 1/4 751 (800-2 1/4)				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



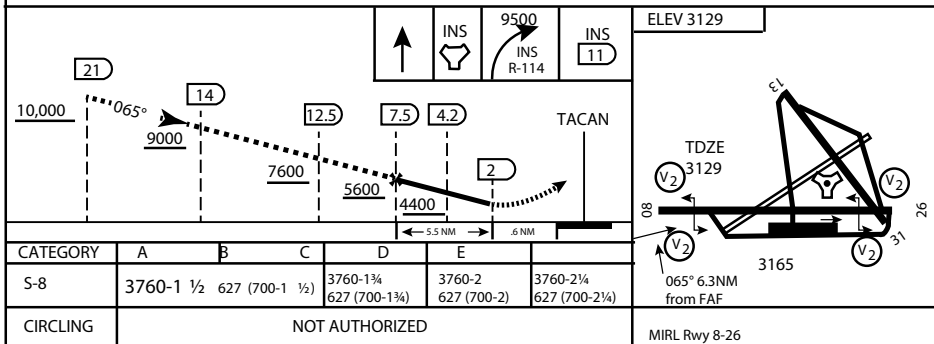
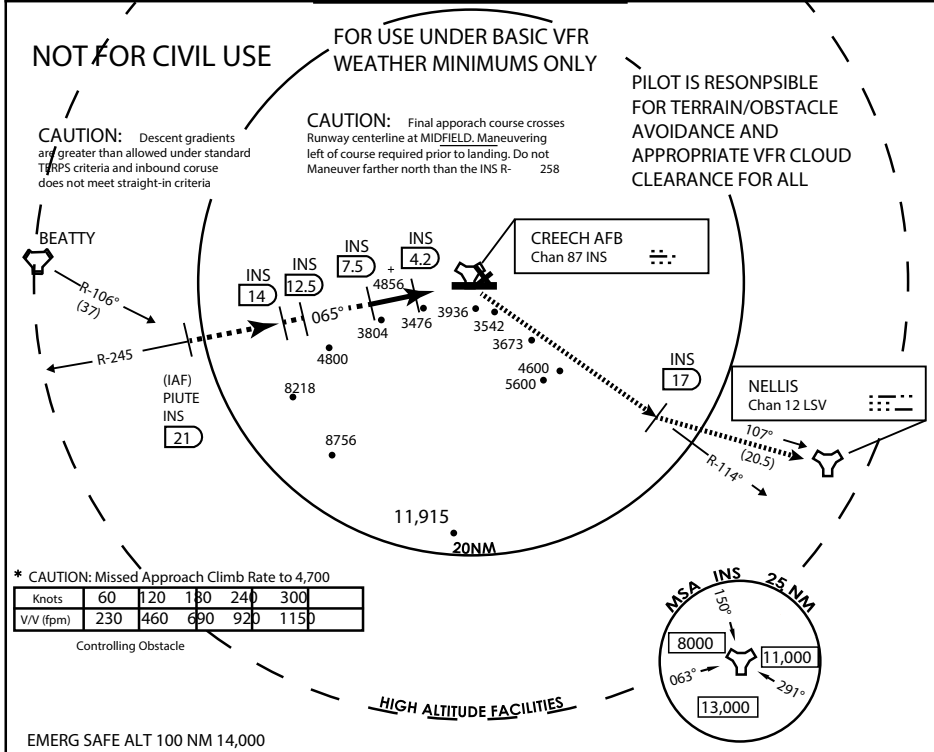
INDIAN SPRINGS, NEVADA

TACAN INS Chan 87	APCH CRS 065 °	Rwy ldg TDZE Arpt Elev	9002 3133 3113
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INDIAN SPRINGS AF AUX (KINS)

NOT FOR CIVIL USE	* MISSED APPROACH: Straight ahead to INS TACAN, intercept INS R-outbound, cross 17 DME at or above 9500, then direct KSV TACAN	114
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NELLIS CON -	CREECH AFB TOWER 118.30 660.60	GND CON -
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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



