

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
413/2021		Panther 5		Training		222000NOV21	
Task	Training PreBriefed HARM					Freq	
AO	North War/ SA-11 active					261.35	
Departure				Recovery			
FYTTR THREE				HI-TACAN Z RWY 21L			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Panther 5-1	Prinz		1251	31Y	1571	
-2	Panther 5-2	Jemi		1252	94Y	1572	
-3	Panther 5-3	Hawk		1253	94X	1573	
-4	Panther 5-4	Retai		1254	31X	1574	

LOADOUT			
A/A	2xA9X, A120C		GUN 100% HEI-T
A/G	4xA88C		CHF 90
POD	TGP		FLR 30
TKS	FPU-8A		FUEL 100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	13047			3500	

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	FYTTR	LSV 269/33 (N36 21.440 W115 41.470)	20000	
2	JAYSN	N36 34.425 W116 02.444	30000	
3	FLUSH	LSV 287/73 (N36 50.800 W116 20.270)	30000	
4	GARTH	LSV 302/90 (N37 17.960 W116 21.260)	30000	
5	Belted Peak	TQQ 100/36 (N37 34 W116 04.500)	30000	
6	Groom Lake	INS 339/42 (N37 16.500 W115 48)	2000	
7	BIGHORN	LSV 347/97 (N37 52 W115 02)	30000	
8	ELKXX	LSV 001/100 (N37 52 W114 30)	30000	
9	MOOSE	LSV 016/94 (N37 36.770 W114 04.420)	30000	
10	TIMBR	LSV 011/33 (N36 45 W114 44.580)	25000	
11	ARCOE	LSV 357/30 (N36 44.260 W114 55.020)	20000	

COMMS	
Radio	Usage
1	(3), (4), (16)
2	261.35
3	41
4	45

NOTES

--- FAH 180 +/- 40 (45nm) ---

Target SA-11

EWR 1L13 S 101

EWR 55G6 S 102

SAM SA-10 S-300PS SR 5N66M CS 103

SAM SA-10 S-300PS SR 64H6E BB 104

SAM SA-11 Buk SR 9S18M1 SD 107

SAM SA-11 Buk LN 9A310M1 11 115

SAM SA-6 Kub STR 1S91 6 108

CP 9S80M1 Sborka DE 109

SAM SA-10 S-300PS TR 30N6 10 110

SAM SA-8 Osa 9A33 8 117

SAM SA-13 Strela-10M3 9A35M3 13 118

SAM SA-15 Tor 9A331 15 119

SAM SA-19 Tunguska 2S6 19 120

AAA ZSU-23-4 Shilka A 121

SAM SR P-19 S 122

SAM SA-3 S-125 TR SNR 3 123

Rapier FSA Blindfire Tracker RP 124

Rapier FSA Launcher RT 125

SAM SA-2 TR SNR-75 Fan Song 2 126

HQ7 Self-Propelled LN 7 127

HQ7 Self-Propelled STR HQ 128

SAM Roland ADS RO 201

SAM Patriot STR AN/MPQ-53 P 202

SAM Hawk SR AN/MPQ-50 HK 203

SAM Hawk TR AN/MPQ-46 HK 204

SAM Roland SR RO 205

SAM Hawk CWAR AN/MPQ-55 HK 206

AAA Gepard A 207

AAA Vulcan M163 A 208

CV 1143.5 Admiral Kuznetsov SW 301

CV 1143.5 Admiral Kuznetsov(2017) SW 320

CG 1164 Moskva T2 303

FFL 1124.4 Grisha HP 306

FF 1135M Rezky TP 309

FSG 1241.1MP Molniya PS 312

CGN 1144.2 Piotr Velikiy HN 313

Ticonderoga class AE 315

FFG 11540 Neustrashimy TP 319

Oliver Hazzard Perry class 49 401

CVN-70 Carl Vinson SS 402

CVN-71 Theodore Roosevelt SS 403

CVN-72 Abraham Lincoln SS 404

CVN-73 George Washington SS 405

CVN-74 John C. Stennis SS 406

LHA-1 Tarawa 40 407

Type 071 Amphibious Transport Dock PS 408

Type 052B Destroyer MR 409

Type 052C Destroyer HN 410

Type 054A Frigate MR 411

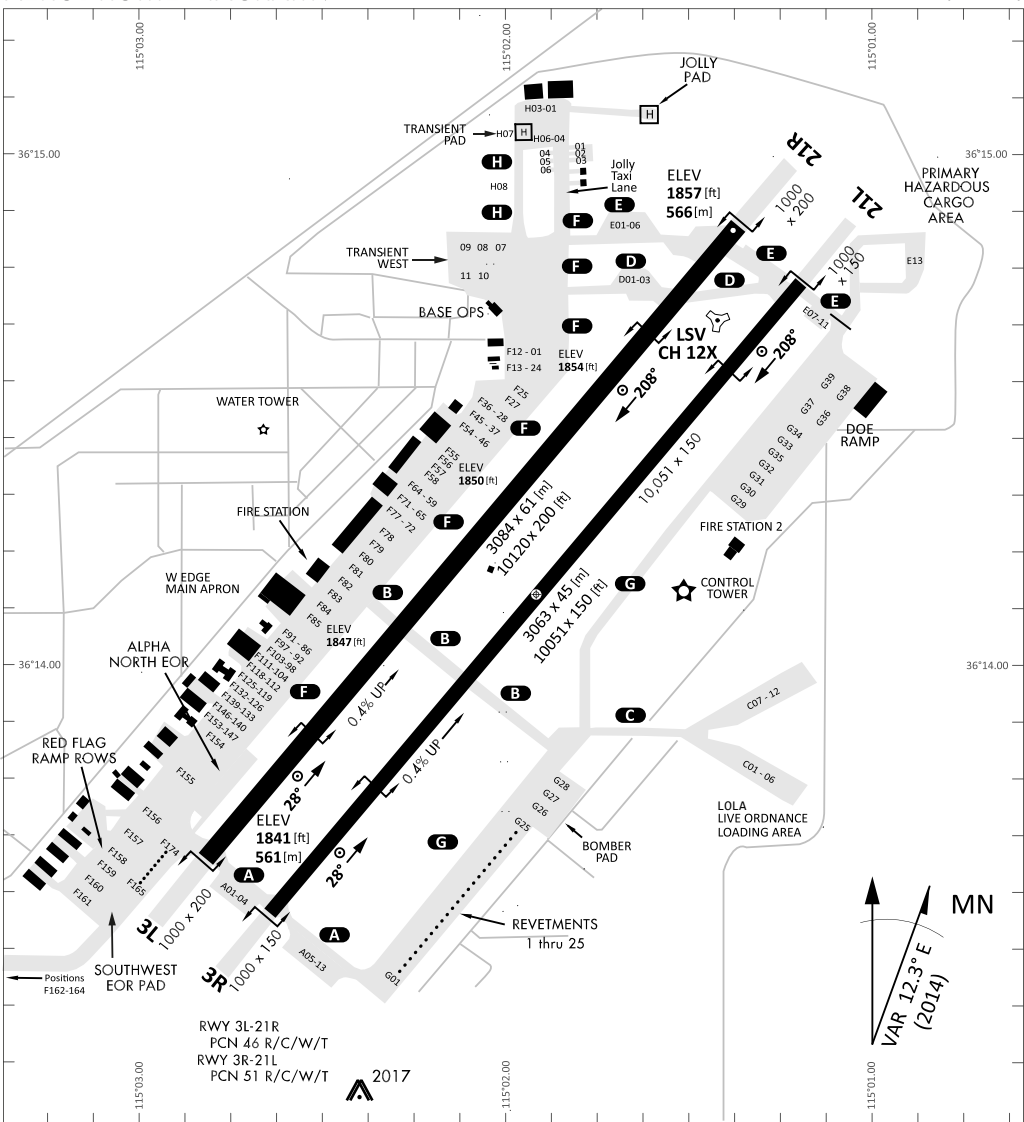
SUPPORT				
Tanker				
Callsign	TCN	Freq	ALT	TAS
SHELL 2	115Y	360.8	FL250	430
	Pos	AR-635: MLF 260/127 (N3831 W11542)		

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 1	Training	3x F/A-18C	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		

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 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

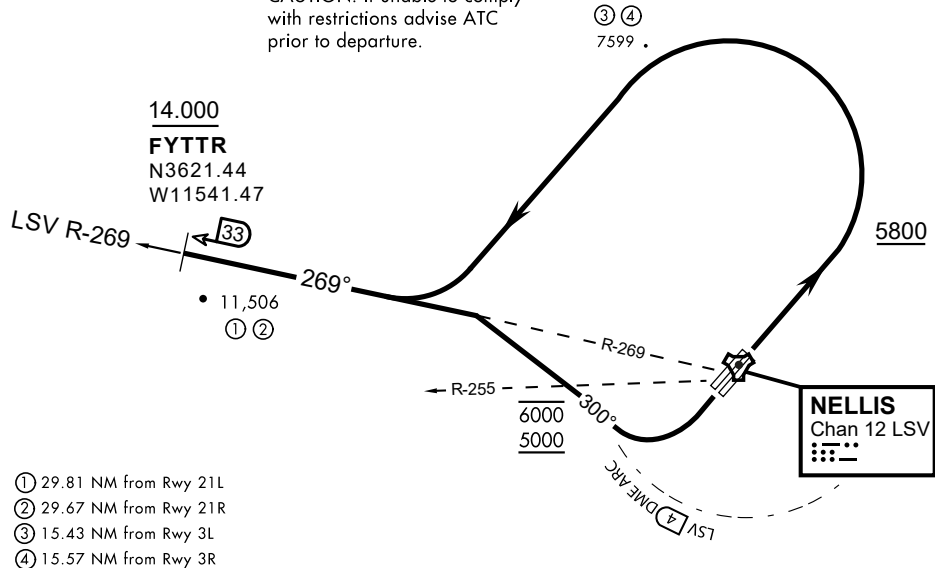
ATIS
270.100
NELLIS GROUND
275.800
NELLIS TOWER
327.000
NELLIS CONTROL
317.525
NELLIS DEP/APP EAST
384.400
BLACKJACK
377.800



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
② 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

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 to Nellis Noise Abatement instructions as published

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.



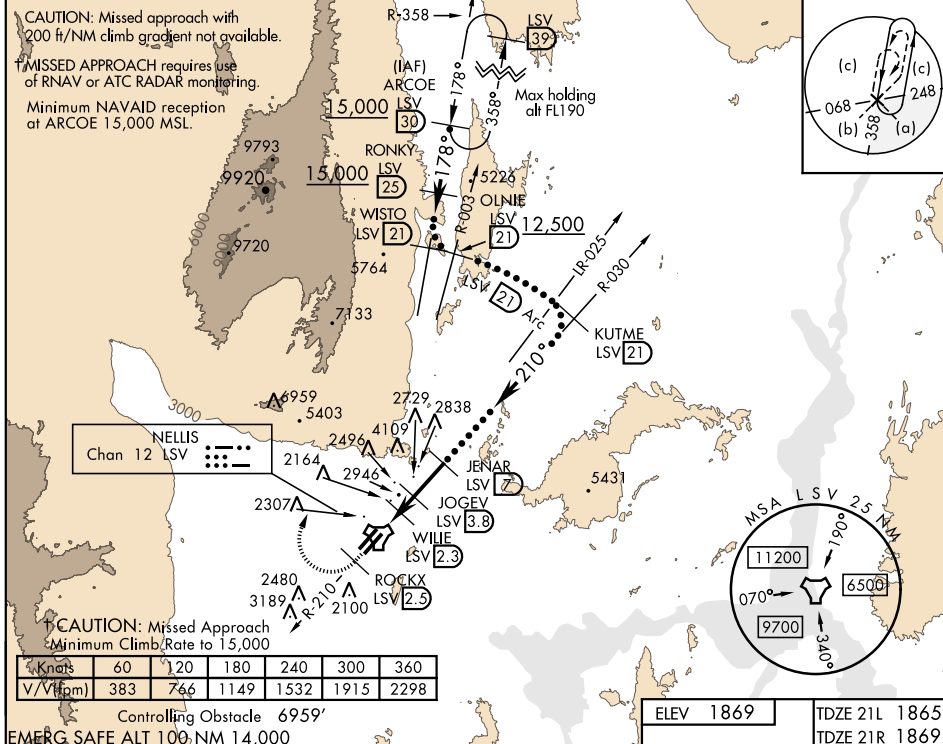
† MISSED APPROACH: Climb to 15,000, intercept LSV TACAN R-210 to 2.5 DME (ROCKX), then climbing right turn heading 020° to join LSV R-358 to ARCOE and hold, continue climb in hold to 15,000. Missed approach not for civil use.

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
---------------	---------------------------------	------------------------------	------------------------	-------------------------

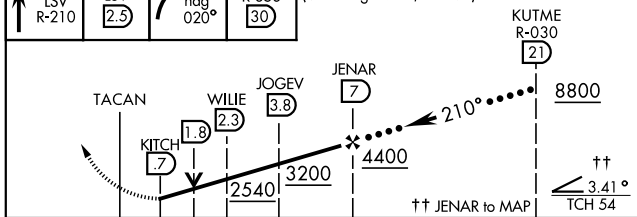
CAUTION: Missed approach with 200 ft/NM climb gradient not available.

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

Minimum NAVAID reception at ARCOE 15,000 MSL.

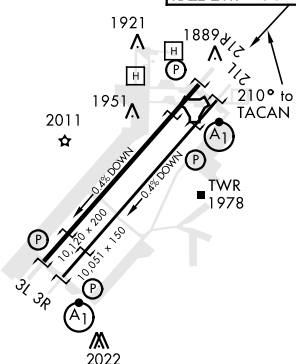


VGSI and descent angles not coincident (VGSI angle 3.00/TCH 54).



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

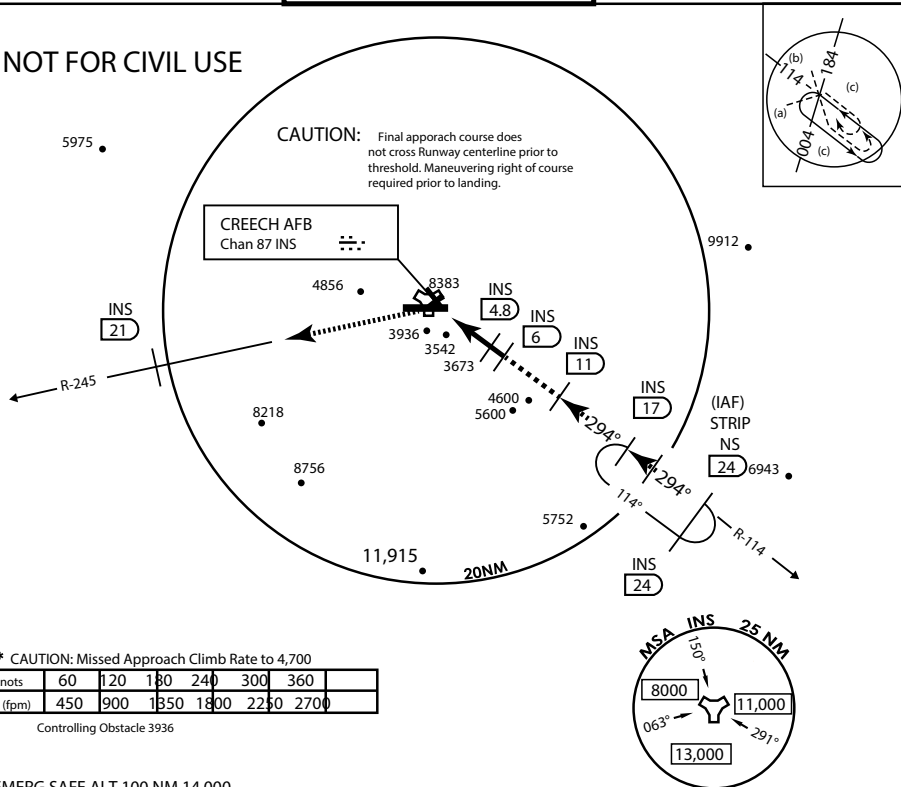
TACAN INS Chan 87	APCH CRS 294 °	Rwy Idg TDZE Arpt Elev	9002 3133 3113
----------------------	-------------------	------------------------------	----------------------

INDIAN SPRINGS AF AUX (KINS)

	* MISSED APPROACH: Direct INS then outbound INS	tB-2#DME climbing to 10,000.
--	---	------------------------------

NELLIS CON -	INDIAN SPRINGS TOWER 118.30 1360.60	GND CON -
-----------------	--	--------------

NOT FOR CIVIL USE



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

