

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
1898/2023		Cougar 1		Training		082000MAY23	
Task	IFR Fam Flight					Freq	
AO	North of Nellis AFB					261.25	
Departure				Recovery			
DREAM FOUR				HI-TACAN Y RWY 21L			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Cougar 1-1	Striver/Uta		1111	21Y	1561	
-2	Cougar 1-2	Tank		1112	84Y	1562	
-3	Cougar 1-3	Repsus/Lempo		1113	84X	1563	

LOADOUT			
A/A	C9M	GUN	100% HEI
A/G		CHF	140
POD	AT50	FLR	60
TKS		FUEL	100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	16200				

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			

COMMS	
Radio	Usage
1	261.25 // 261.25
2	3 / 4 / 16 / 4 / 3

NOTES

DREAM FOUR single ship departure

CV rendezvous

Formation training enroute

AAR @ Shell 2 KC-135 MPRS

Kiss off and CV rendezvous

HI TACAN Z RWY 21L single ship bis Minimums, missed approach
bei MAP

HI TACAN Z RWY 21L single ship full stop

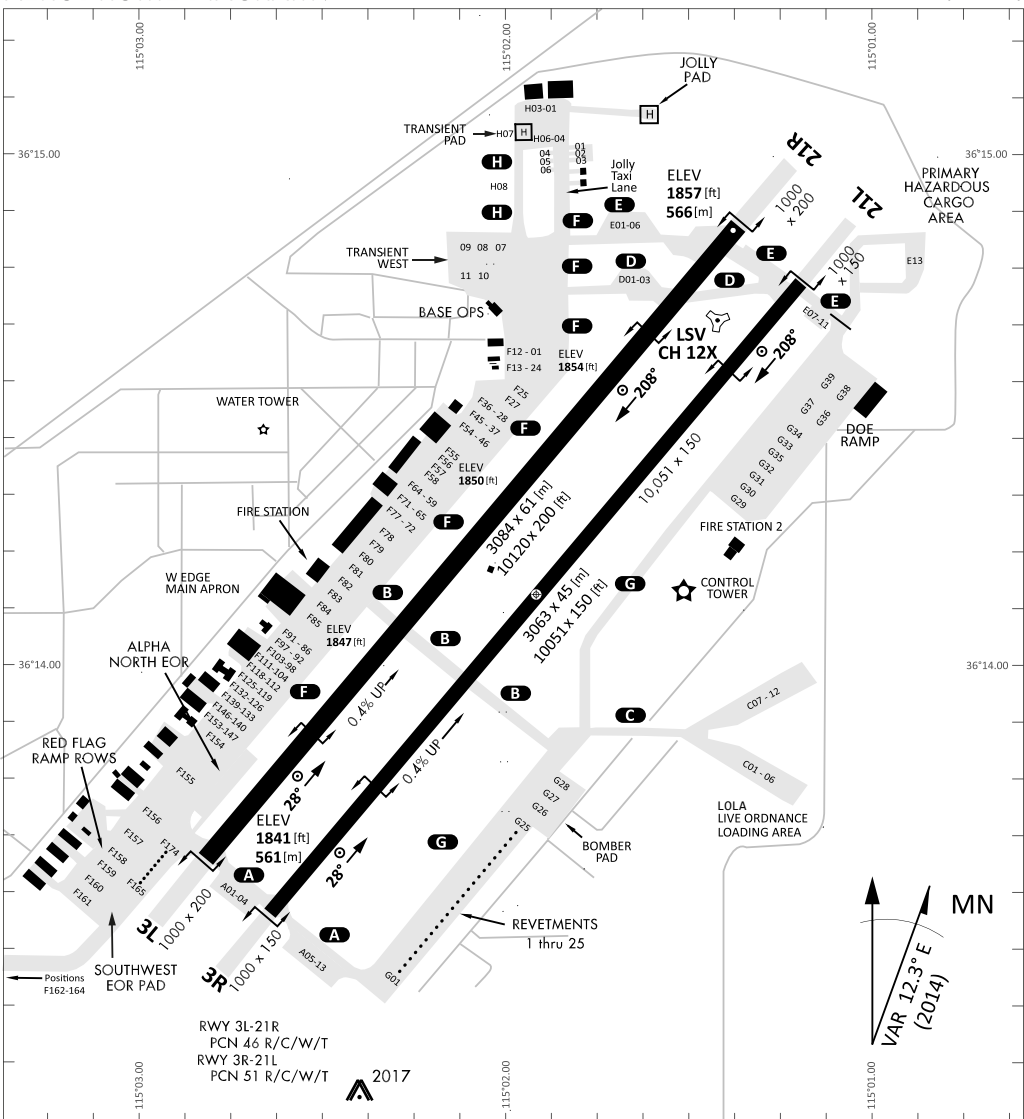
SUPPORT				
Tanker				
Callsign	TCN	Freq	ALT	TAS
SHELL 2	115Y	360.8	FL250	430
	Pos	AR-635: MLF 260/127 (N3831 W11542)		

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Raptor 1	Training	4x F-16C	134.0	21/84		156X
	AO	Range 61	Task	Bomb Training - GPS		
Tiger 1	Training	2x F/A-18C	261.15	21/84	1	156X
	AO	NTTR R63	Task	JTAC Training		
Panther 1	Training	2x F/A-18C	261.35	21/84	41	167X
	AO	Range 64	Task	CAS/JTAC Training		
T-Rex 2	Training	2x A-10C	132.25	27/90	25	165X
	AO	R64	Task	CAS		
Outlaw* 2	Training	2x Ground	33.65	21/84		156X
	AO	Range 64	Task	JTAC		
Monster 2	CAS	2x A-10C	132.15	27/90	21	164X
	AO	R63	Task			
Darkstar* 1	Training	2x Ground	33.5	21/84		156X
	AO	Range 63	Task	JTAC		

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	O	N	S	U	M	A	B	L	E	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	MCRW	TID	FXV	QK	AN	ESU	GO	LB	PJ	YH
B	PXDQ	GBV	AWJ	SI	YF	NRL	UO	CT	EK	HM
C	LUCJ	RFM	DEO	SP	AN	VGY	KX	IW	HT	QB
D	ETMH	AQB	OXJ	FW	YC	KGV	RU	IS	NL	PD
E	FXGN	IML	YUB	QP	KD	ACW	RE	VH	TO	JS
F	FUCL	IKV	PYX	NR	DJ	GTS	WH	BM	EQ	OA
G	QJAV	FYX	OPB	GK	DN	CEI	UT	HL	RW	SM
H	TVFC	IBY	KEW	HN	OQ	PXA	JU	MD	RG	LS
I	ATGB	LOU	ERH	KJ	SX	WYM	DV	IP	CQ	NF
J	FMBV	XIE	TOJ	NG	AC	YRW	KH	QU	SP	LD
K	WVHL	TJU	MAQ	BE	PI	RXG	KY	OF	NC	SD
L	OYIS	FTU	LEW	QA	NP	GCV	DK	XB	MJ	RH
M	LBCY	TWD	MKX	GV	AS	OEJ	HR	IN	PQ	UF
N	MVRP	UJG	DYQ	CF	TS	EBH	ON	KL	IA	XW
O	MFSK	UCJ	DTL	IR	HB	VEP	QW	XG	AO	YN
P	TOQM	YNX	KEH	RU	CP	LGI	FV	DA	JS	WB
Q	HOPI	WJX	FQY	SR	DE	MBL	KA	CN	GV	UT
R	DXTV	YFG	KIQ	JE	WN	RSA	BC	LP	HU	OM
S	VCNL	RQY	BFT	ES	JO	PWH	KG	MI	AD	XU
T	VQJA	BRD	KPE	LC	FW	IMY	HX	NG	UT	SO
U	VWJN	YUT	RPF	XS	KC	BHL	OM	DQ	GE	IA
V	DTBM	PRF	UNH	IW	AV	JQG	EC	SX	LY	KO
W	FNWY	GPO	EUB	SL	DI	KJR	TH	XQ	CV	MA
X	AXWU	PRE	OVG	IB	NQ	CJD	YL	TF	KH	SM
Y	DPHO	AUF	NYE	WM	IJ	BRK	QT	XS	GV	LC

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 1:35'500	
	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

DREAM
N3710.34
W11459.53

MINTT
LAS 351/38
17,000

Rwy	Knots	60	120	180	240	300	360
* 3 L (a)	V/Vl(fpm)	269	538	807	1076	1345	1614
* 3 R (b)	V/Vl(fpm)	245	490	735	980	1225	1470
† 3 L (c)	V/Vl(fpm)	498	996	1494	1992	2490	2988
† 3 R (c)	V/Vl(fpm)	496	992	1488	1984	2480	2976
* 21 L (d)	V/Vl(fpm)	389	778	1167	1556	1945	2334
* 21 R (d)	V/Vl(fpm)	395	790	1185	1580	1975	2370
† 21 L (c)	V/Vl(fpm)	453	906	1359	1812	2265	2718
† 21 R (c)	V/Vl(fpm)	457	914	1371	1828	2285	2742

* Minimum † ATC Climb Rate

- (a) to 3600
- (b) to 3100
- (c) to 17,000
- (d) to 8500

** Lead DME:
ATALF - LSV 9.5
HEREM - LSV 8.8

- ① 12.24 NM from Rwy 21R
- ② 12.40 NM from Rwy 21L
- ③ 5.67 NM from Rwy 3L
- ④ 5.85 NM from Rwy 3R

NOT FOR CIVIL USE

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

LAS VEGAS
116.9 LAS
Chan 116

NELLIS
Chan 12 LSV

BOULDER CITY
116.7 BLD
Chan 114

VAR 12.3°E

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 3L

- Fly runway heading to intercept the LSV TACAN R-028 then direct ATALF, intercept the BLD VORTAC R-346 then direct JUNNO, cross JUNNO at or above 17,000, then via assigned route.

TAKE-OFF RWY 3R

- Fly runway heading to intercept the LSV TACAN R-031 then direct HEREM, intercept the BLD VORTAC R-346 then direct JUNNO, cross JUNNO at or above 17,000, then via assigned route.

TAKE-OFF RWY 21L/R

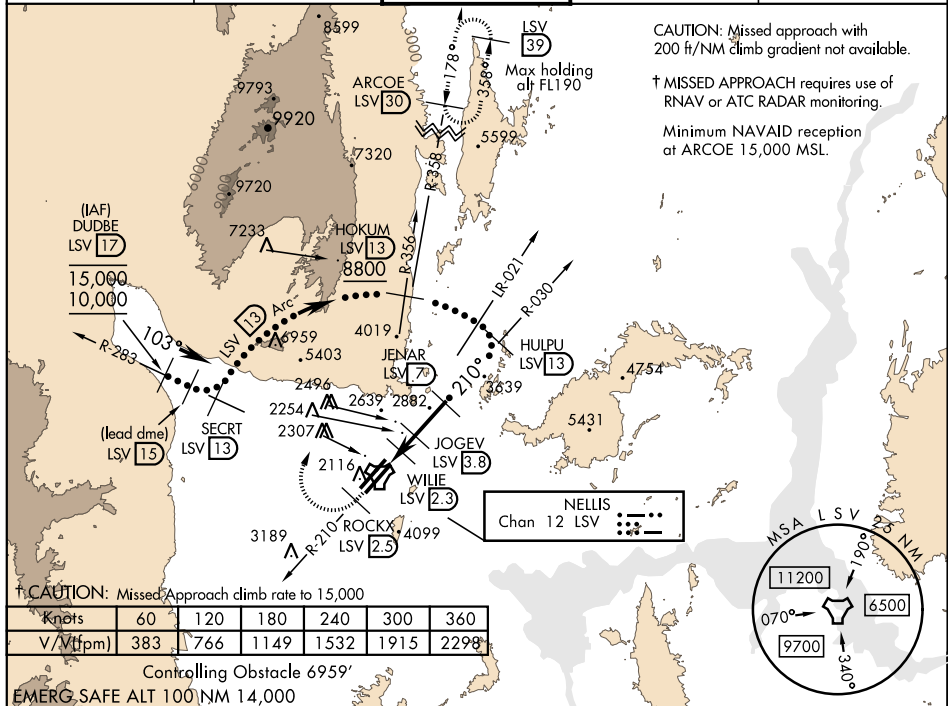
- Turn right to intercept LAS VORTAC R-351 outbound. Remain North of LAS 7.5 DME turning Northbound. Intercept LAS R-351 between 5000 and 6000, do not proceed West of LAS R-351. Cross MINTT at or above 17,000, then via assigned route.

NOISE ABATMENT PROCEDURES: Fly acc. Nellis Noise Abatement instructions

HI-TACAN Y RWY 21L

TACAN Chan 12	LSV 210°	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 1¾ miles. ** Circling not authorized E of Rwy 3R-21L.			ALSF-1  † 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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VGSI and descent angles not coincident
(VGSI angle 3.00/TCH 54).

CATEGORY	C	D	E
S-21L *	2460-1 ¼	595 (600-1 ¼)	
SIDESTEP 21R	2460-1	591 (600-1)	
C CIRCLING **	2620-2 ¼ 751 (800-2 ¼)	2840-3 971 (1000-3)	3040-3 1171 (1200-3)

HIRL all Rwy

HI-TACAN Y RWY 21L

SW-4, 05 DEC 2019 to 02 JAN 2020

SW-4. 05 DEC 2019 to 02 JAN 2020



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)



* 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

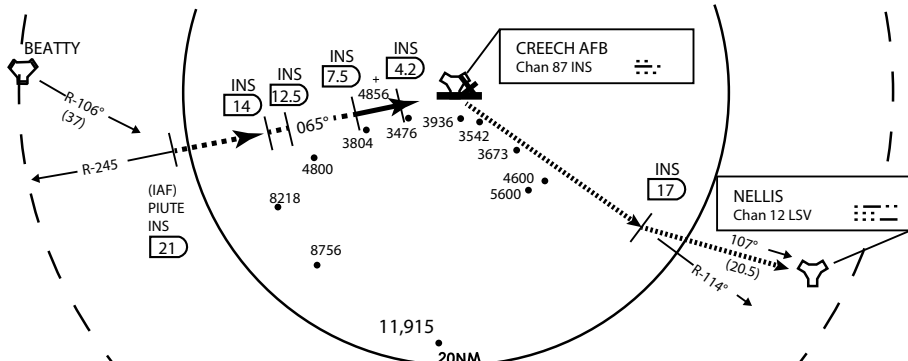
NOT FOR CIVIL USE

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



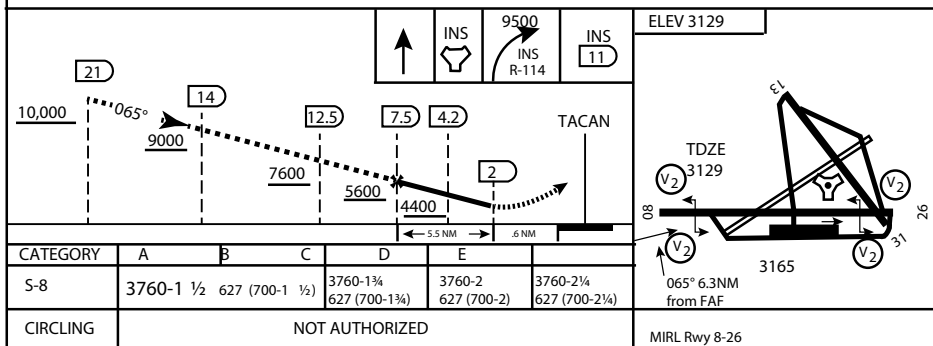
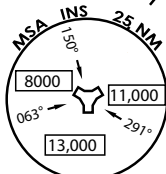
* CAUTION: Missed Approach Climb Rate to 4,700

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



CITY OF INDIAN, NEVADA

INDIAN SPRINGS AF AUX (KINS)

(FOR DAY VFR USE ONLY)

Modified by vJaBoG 66 for use with DCS

NOT FOR REAL LIFE NAVIGATION



