

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
989/2022		Cougar 1		Training		132000JUN22	
Task	WVR Training					Freq	
AO	Student Gap					261.25	
Departure				Recovery			
DREAM FOUR				RAMMM			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Cougar 1-1	Striver/Uta		1111	21Y	1561	

LOADOUT			
A/A	2xA9M, 2xA7MH, 2xA54CM47		GUN 100% HEI
A/G			CHF 140
POD			FLR 60
TKS	2xFT300		FUEL 100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	20206				

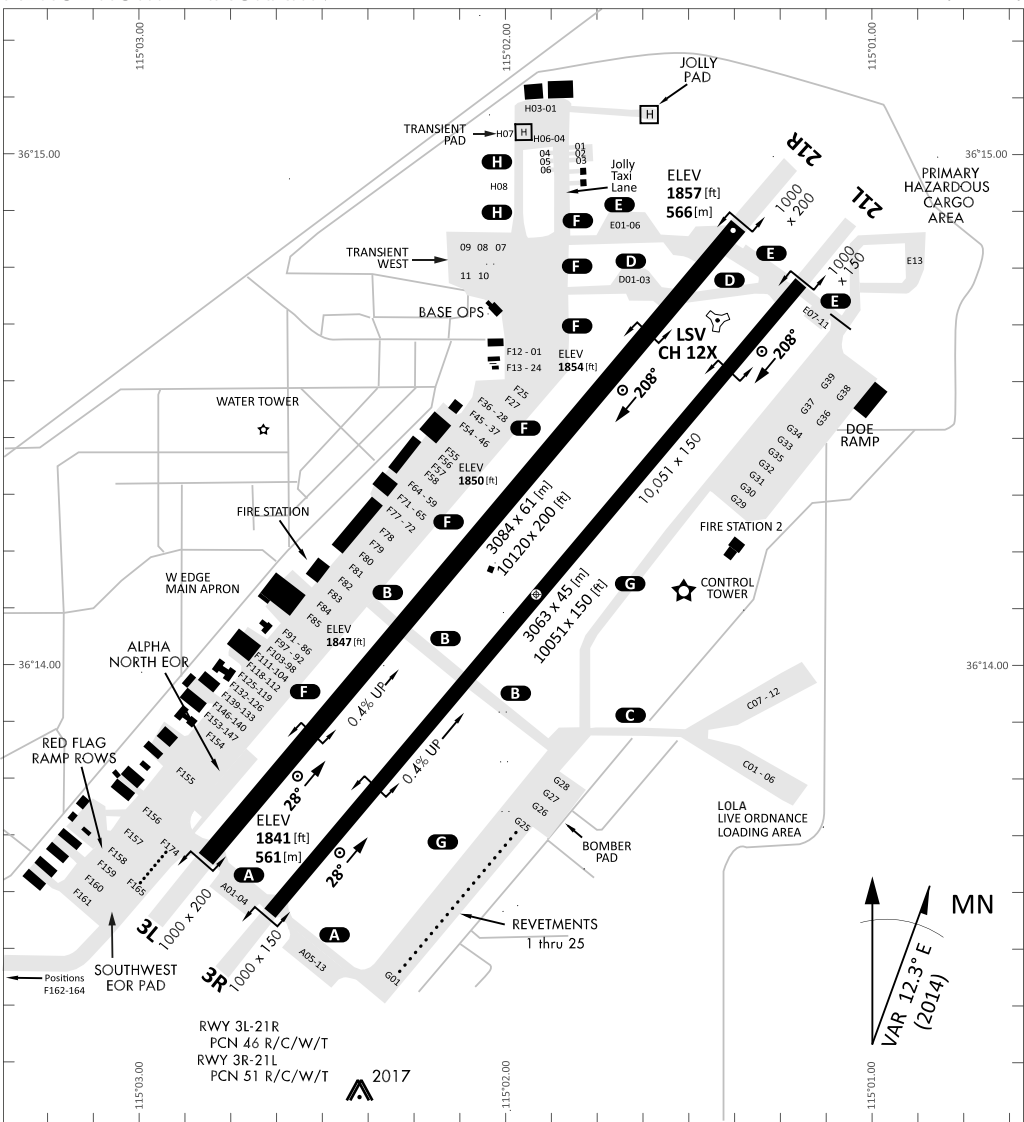
AIRBASES								
	Name	TCN	ATIS	GND	TWR	RWY	Elev	ILS
Dep	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Arr	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Div	Creech AFB	87X	290.45	275.8	360.6			

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Edelweiss 1	Training	2x F/A-18C	264.15	13/76		171X
	AO	Rachel	Task	Tac Formation		
Monster 1	Training	2x A-10C	132.15	25/88	21	161X
	AO	Groom Lake	Task	DEAD		
T-Rex 2	Training	2x A-10C	132.25	23/86	25	164X
	AO	Groom Lake	Task	DEAD		
Tiger 1	Training	3x F/A-18C	261.15	11/74	1	155X
	AO	Range 75-15	Task	A/G Training		
Tiger 2	Training	2x F/A-18C	261.15	11/74		155X
	AO		Task	BVR Basics 1		
Edelweiss 2	Training	2x F/A-18C	264.15	14/77		171X
	AO	Rachel	Task	Tac Formation		
Edelweiss 2	Training	2x AH-64D	133.25	21/84		172X
	AO	Nellis, Winner LZ	Task			

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	M	P	A	T	I	B	L	E	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	UNSY	PRK	WTO	FI	EB	VQA	HC	LM	DJ	GX
B	SPFJ	EXL	AUY	VD	IR	GKH	BQ	TW	OC	NM
C	SGMH	VTY	CKX	OJ	BD	ANR	LE	PF	IU	WQ
D	KPFH	GJX	OTS	QU	VD	BCM	IE	AY	WR	NL
E	PBTH	UYA	JMI	NS	LR	WXK	FD	EQ	CO	VG
F	DQLE	OYU	GCM	PT	HK	FVN	AJ	IR	SB	XW
G	SOUW	ITV	JLD	CX	MN	PAK	QG	HB	FR	EY
H	NTFB	YOG	VMU	RD	HE	SQJ	XK	AP	CL	IW
I	YKIM	JVN	GPH	UD	RE	SXQ	TF	AC	WL	OB
J	HAOL	RQC	FBX	WM	SJ	PTE	YD	VN	GU	IK
K	REOG	PVS	AFL	KJ	XY	UTC	WB	MQ	HI	ND
L	JMOH	UAD	TXW	GQ	EY	PVI	KR	FS	LB	CN
M	FYNT	DPA	LSU	JK	WC	QMB	RO	VI	GX	EH
N	LXWA	SHT	QOK	FC	IG	MRJ	EP	NV	UD	BY
O	LMRJ	FUV	YTS	DP	AN	HEW	IG	OQ	BC	XK
P	HTEA	SYF	MBV	CN	IO	ULG	PJ	QD	WR	KX
Q	QVER	GNM	WYD	HX	IS	CLK	JU	FP	TB	AO
R	BIKG	HDN	AOQ	VJ	ET	YUS	PF	WR	XL	CM
S	VCPH	MEG	ABL	KS	JX	QWD	RI	YU	ON	TF
T	VQDY	PGO	FRS	UW	HI	KXJ	NL	EM	TB	CA
U	AQNE	WMK	HJI	FU	RS	BDC	LG	VP	OX	YT
V	RVLN	EBP	HQU	DF	JG	ISW	KX	MA	OT	CY
W	HRDB	CMN	AFQ	ET	SY	IKX	PJ	OV	WG	UL
X	NEJY	IWU	MBX	HP	ST	ORA	LD	CQ	FK	GV
Y	PMGV	ROE	ANW	XT	UQ	LIF	SY	BJ	HD	CK

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

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

* Minimum † ATC Climb Rate

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

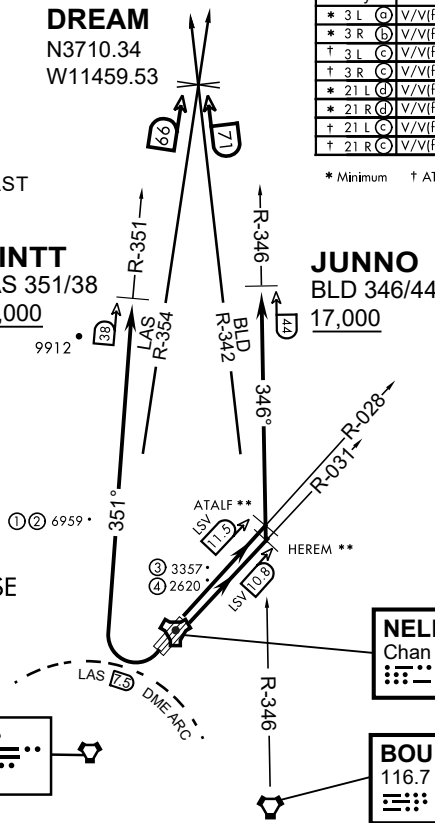
** Lead DME:
ATALF - LSV 9.5
HEREM - LSV 8.8

- 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.

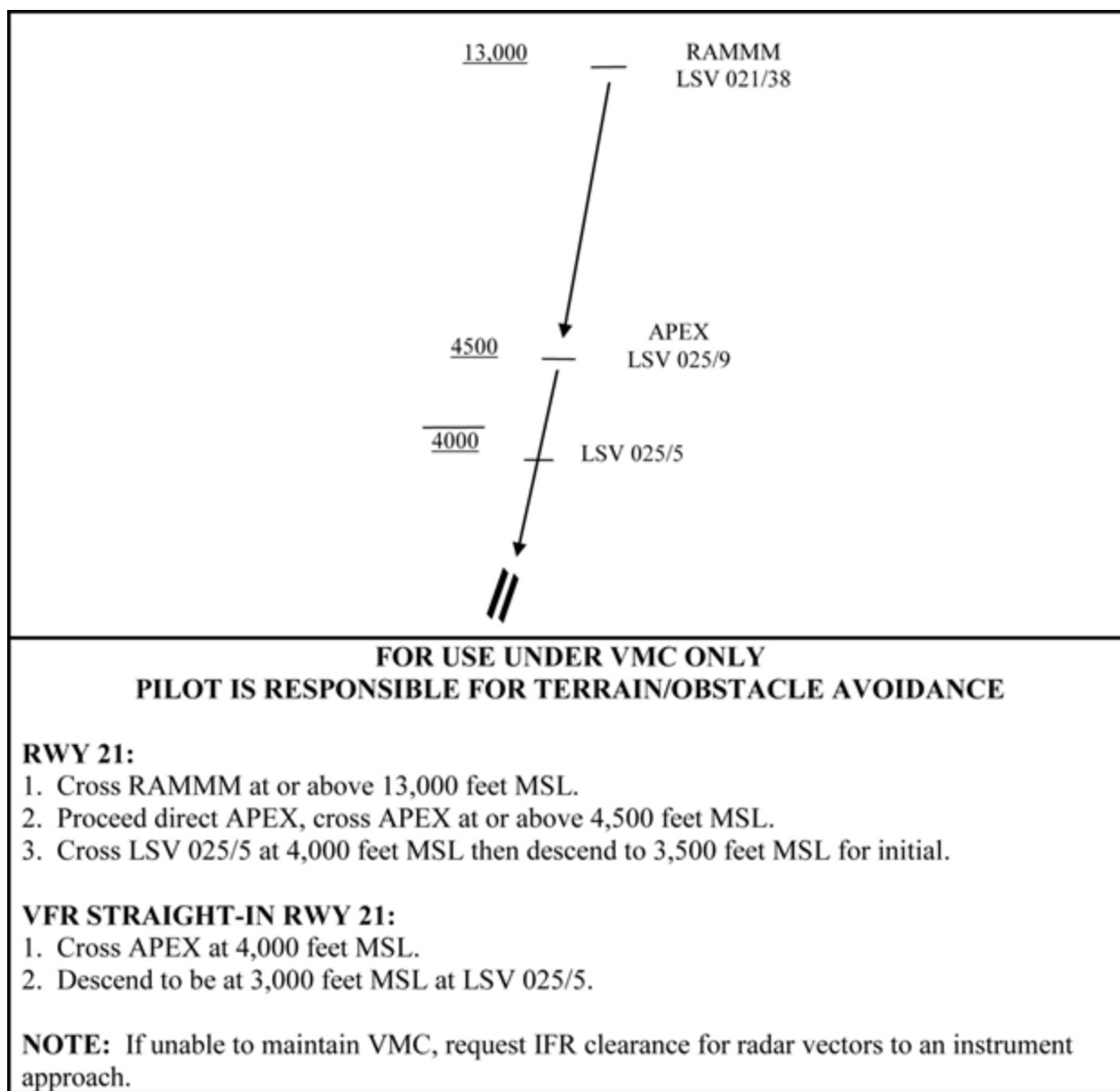
TAKE-OFF RWY 3R

- 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

Figure A23.5. RAMMM Recovery (Not For Use In IMC).



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 direct KSV TACAN

114

NELLIS CON

CREECH AFB TOWER
118.30 160.60

GND CON

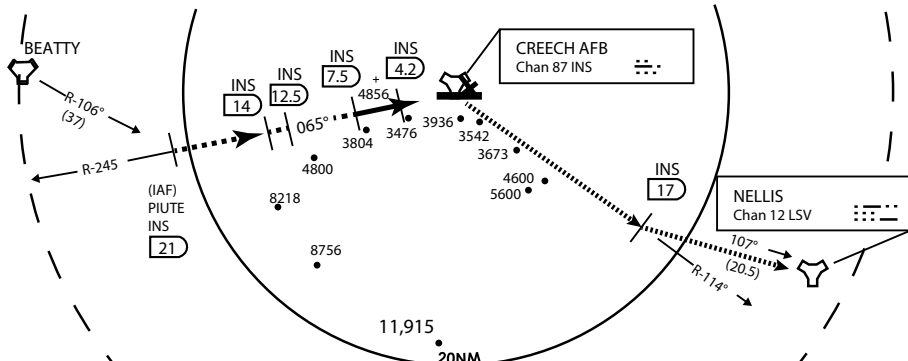
NOT FOR CIVIL USE

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



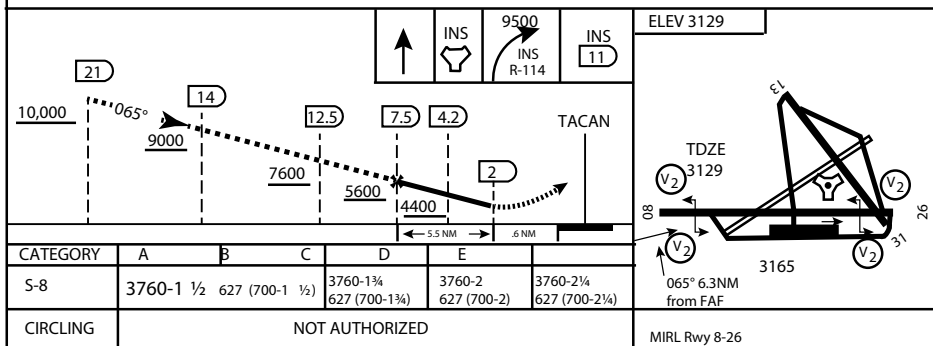
* CAUTION: Missed Approach Climb Rate to 4,700

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



