

MISSION DATA CARD								
OPORD		Callsign		Mission		Date/Time		
677/2022		Cougar 1		Training		072000MAR22		
Task	Tactical Formation Training					Freq		
AO	Student Gap					264.15		
Departure				Recovery				
DREAM FOUR				RAMMM				
#	Callsign		Pilot		IFF	TCN	LSR	NET
-1	Cougar 1-1		Repsus/Lempo		1711	21Y	1711	
-2	Cougar 1-2		Bane		1712	84Y	1712	

LOADOUT			
A/A	2xC9M	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			

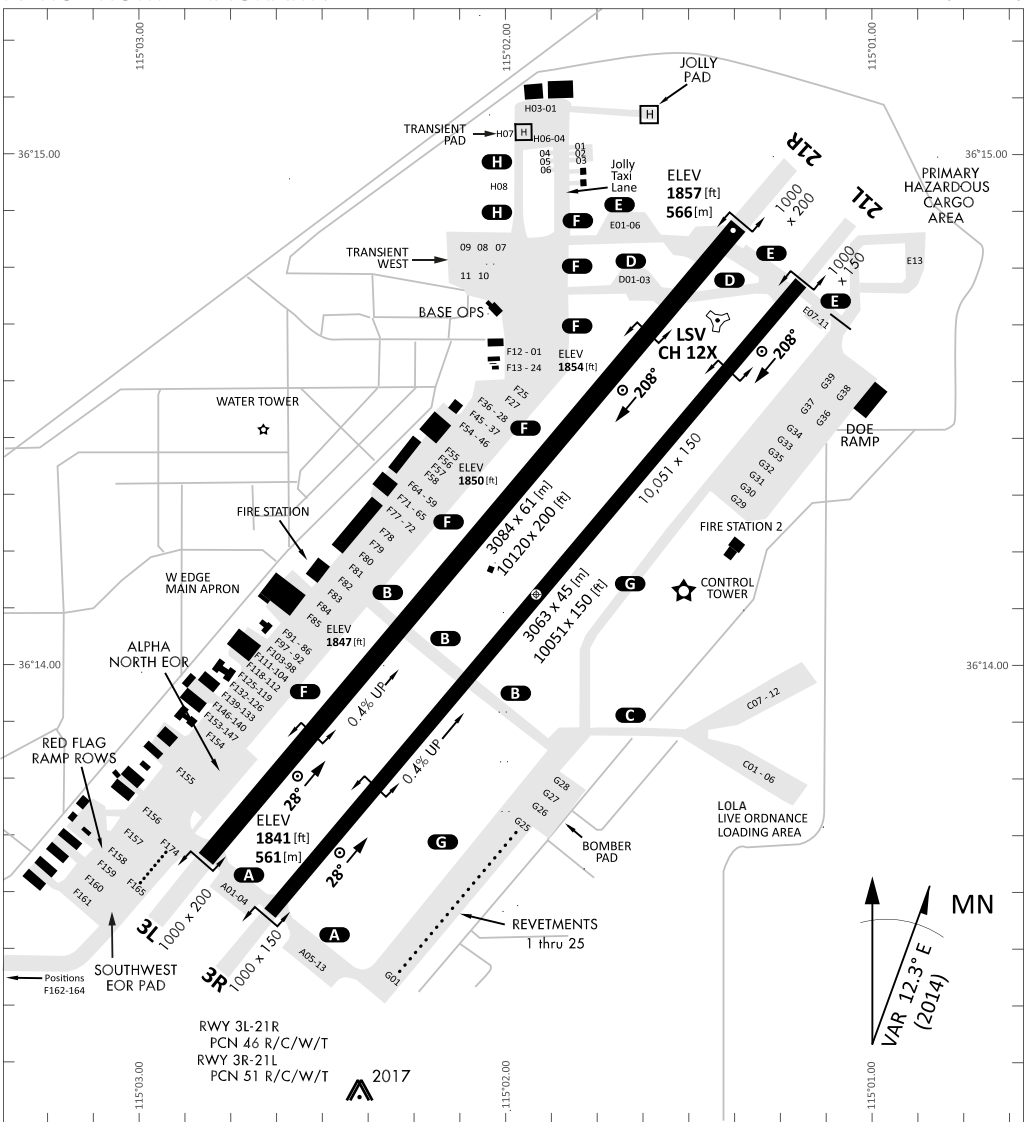
FLIGHTPLAN				
#	Name	Navaid/Coords/DME	ALT	TOT
1	JUNNO	BLD 346/44 (N36 43.800 W114 52.770)	FL170	
2	Student Gap	LSV 349/82 (N37 37 W115)	FL170+10 in Sequence	
3	RAMMM	LSV 024/38 (N36 45 W114 33.330)	FL130	

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Tiger 1	Training	2x F/A-18C	261.15	11/74	1	155X
	AO	Range 76.03	Task	STRIKE Airfiled Strike		
Lion 1	Training	4x F-16C	134.0	41/104		158X
	AO		Task	Tac Formation Training		
Monster 1	Training	2x A-10C	132.15	25/88	21	161X
	AO		Task	LGB Range 64-A		
Chevy 4	Training	2x A-10C	131.25	21/84		156X
	AO		Task	LGB Range 64-B		
T-Rex 2	Training	2x A-10C	132.0	27/90	25	165X
	AO		Task	LGB Range 62-B		
Edelweiss 5	Training	1x AV-8B N/A	264.55	21/84		175X
	AO		Task			
Cougar 2	Training	3x F-14B	264.25	21/84		171X
	AO	Student Gap	Task	Tactical Formation Training		
Tiger 2	Training	2x F/A-18C	261.15	11/74		155X
	AO	Rachel	Task	A2A - BVR 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	
F	A	L	T	E	R	I	N	G	S	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	RKLC	DJT	YIU	OE	FA	BMV	QP	HG	XN	SW
B	SXRK	HBC	TMA	UY	NG	ELD	PJ	FW	VO	IQ
C	NMOL	VKR	SGD	TH	IF	QJX	YW	PE	AB	CU
D	IWLK	XTB	FPH	DG	AJ	ROU	VY	SE	NM	CQ
E	KLWP	NYV	AFQ	JD	GE	UCB	ST	XR	OH	IM
F	XWSV	BDQ	FJR	IG	AH	LMU	OC	YP	NT	EK
G	XVHM	CRW	JNG	FI	PT	UEL	DB	OQ	KS	AY
H	RTHA	FGK	PMN	US	DC	QWV	OX	IL	EB	YJ
I	TYUC	QMK	SBN	WG	DA	IHX	FV	PR	LE	JO
J	OCWD	ELV	IYH	QS	BK	RAN	UJ	TX	MG	PF
K	MGIC	QST	WNY	AU	VJ	LFX	OP	KE	HB	DR
L	SLAF	PEJ	VKQ	MC	IY	UBW	XD	HR	GT	NO
M	IYWS	GKL	ECF	PN	OU	TDR	HB	AJ	QX	VM
N	LBSK	WXM	GDC	OU	HF	NQE	IP	RT	AV	YJ
O	UXMG	IRV	TOK	SH	QJ	WLD	BN	FY	CP	AE
P	JBUN	GAF	RMT	PL	DO	IHK	YW	XE	QS	VC
Q	IEPU	SJB	GNQ	OX	YW	MRL	HA	FK	TD	VC
R	VTQO	UCL	JIN	YX	PB	HRD	MG	EW	SF	KA
S	UQBF	OYP	VRI	XD	NA	SJK	LM	HT	WC	EG
T	UCJA	QTW	GFV	XR	YH	MOS	PK	EN	DL	BI
U	UWRG	PEF	ITB	LV	OJ	NDH	AX	QY	SK	MC
V	MLBQ	OTH	JRS	CU	VX	PIG	WN	AK	DE	YF
W	BTEY	GQL	PAV	WN	JR	SOF	MX	UI	CD	KH
X	WVFJ	ADQ	TSL	KB	EN	HOU	YI	CP	MX	GR
Y	NJIE	AWG	FQO	YD	XS	BTP	LH	RM	UC	KV

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

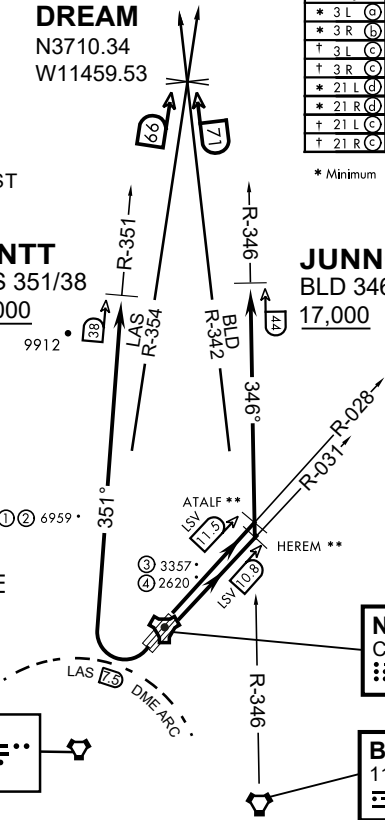
CAUTION: If unable to comply with restrictions advise ATC prior to departure.

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.

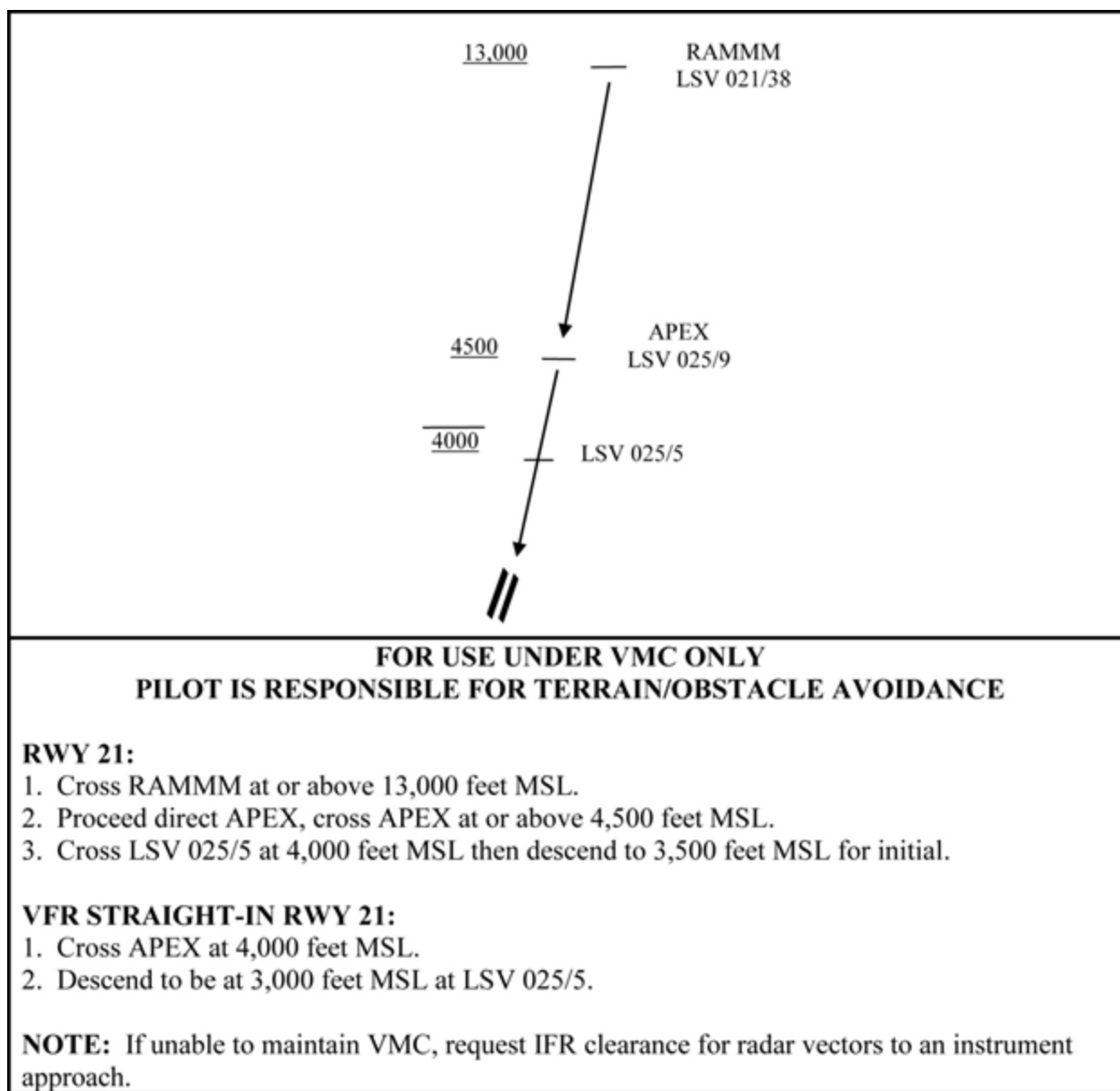
TAKE-OFF RWY 3R

- 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

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 direkt KSV TACAN	114
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NELLIS CON -	CREECH AFB TOWER 118.30 660.60	GND CON -
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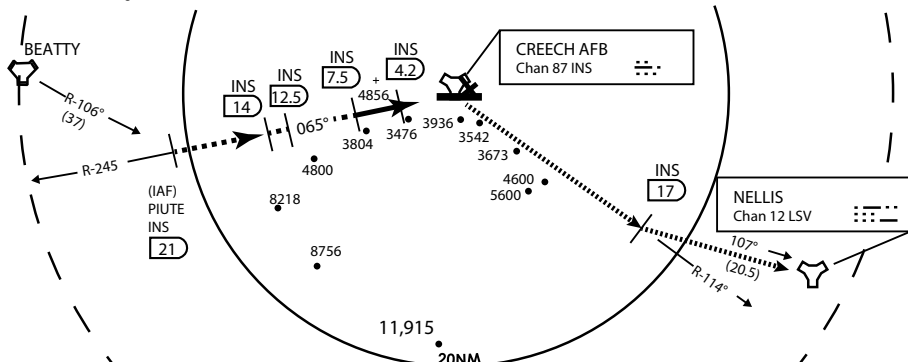
NOT FOR CIVIL USE

FOR USE UNDER BASIC VFR
WEATHER MINIMUMS ONLY

PILOT IS RESONPSIBLE
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 14 12.5 7.5 4.2 2 TACAN INS 11 9500 INS R-114 INS					ELEV 3129	
10,000 9000 7600 5600 4400 14 12.5 7.5 4.2 2 TACAN INS 11 9500 INS R-114 INS					31 26 3165 065° 6.3NM from FAF TDZE 3129 V₂ V₂ V₂ V₂	
CATEGORY	A	B	C	D	E	
S-8	3760-1 ½	627 (700-1 ½)	3760-1¾	3760-2	3760-2¼	
CIRCLING	NOT AUTHORIZED					MIRL Rwy 8-26

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



