

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
1891/2023		Cougar 1		Training		042000MAY23	
Task	BVR Traning						Freq
AO	BVR-X						261.25
Departure				Recovery			
FYTTR LOW				STRYK			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Cougar 1-1	Striver/Uta		1111	21Y	1561	
-2	Cougar 1-2	Repsus/Lempo		1112	84Y	1562	
-3	Cougar 1-3	Bane		1113	84X	1563	

LOADOUT			
A/A	2xA9M, 2xA7MH, 4xA54CM47		
A/G			
POD			
TKS	2xFT300		

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	20206				

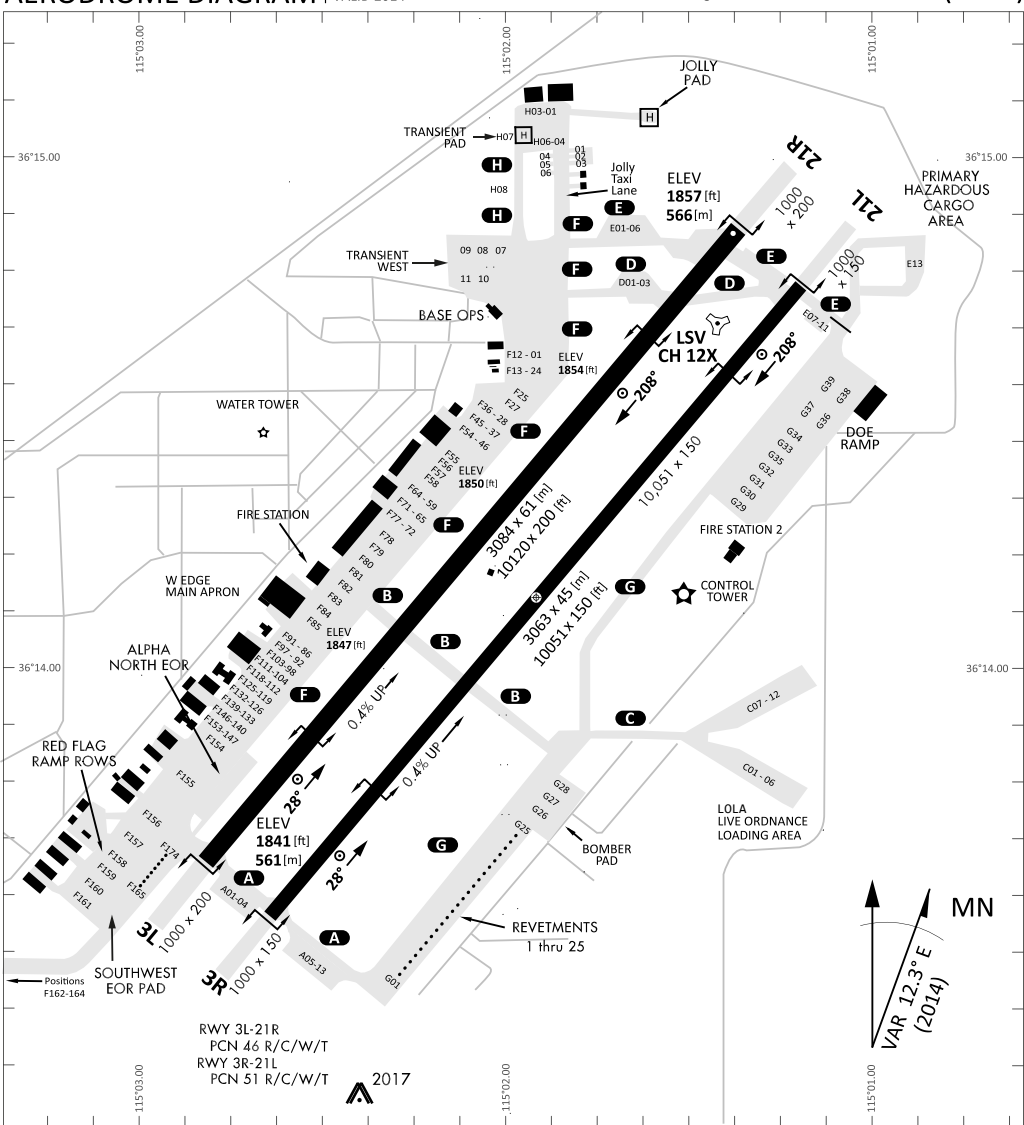
AIRBASES								
	Name	TCN	ATIS	GND	TWR	RWY	Elev	ILS
Dep	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Arr	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1

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 - TOSS LGB		
Tiger 1	Training	2x F/A-18C	261.15	21/84	1	156X
	AO	NTTR R63	Task	JTAC Training		
Darkstar* 1	Training	2x Ground	33.5	21/84		156X
	AO	Range 63	Task	JTAC		
Panther 1	Training	2x F/A-18C	261.35	21/84	41	167X
	AO	Range 64	Task	CAS/JTAC Training		
Monster 2	CAS	2x A-10C	132.15	27/90	21	164X
	AO	R63	Task			
Outlaw* 2	Training	2x Ground	33.65	21/84		156X
	AO	Range 64	Task	JTAC		
T-Rex 2	Training	2x A-10C	132.25	27/90	25	165X
	AO	R64	Task	CAS		
Rattler 5	Training	2x AH-64D	133.5	21/84		125X
	AO	Range 63	Task	Hellfire		

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	
M	I	N	E	R	A	L	O	G	Y	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	HLFY	WRG	IBP	JQ	XV	DUE	OA	MS	NK	TC
B	WOPG	JUD	BLA	CF	NS	VKQ	XM	TI	YR	HE
C	JVEC	TXD	HWG	LS	YK	UFN	QO	MI	PR	AB
D	FBWN	VQA	LTY	XD	IK	PMG	HO	SJ	CR	UE
E	MWTI	LPJ	HQN	OA	FB	DKU	YS	GV	EX	CR
F	NCKI	QME	XRL	PJ	SO	TDU	HF	GY	AV	WB
G	XUNT	PJH	YWE	QV	MK	LRD	FC	OI	BA	SG
H	DAUN	JSR	KXI	TB	YG	FPV	CQ	WM	EO	HL
I	QWMX	BJE	RIV	HL	GS	AUN	FO	TD	YK	CP
J	VHFC	MGS	BDJ	YL	AR	UTN	KQ	XP	EO	IW
K	USOX	KED	ABQ	NM	RI	GLC	VH	WP	FT	JY
L	EPBO	RXT	IGQ	HL	MC	WJA	DY	VN	SU	KF
M	IPVC	XKO	MSG	NY	JL	QDT	FU	EB	AR	WH
N	FMQL	VXC	NEH	TR	WI	KPO	YG	AU	SD	BJ
O	CWBS	RHK	IUJ	VN	XP	YEF	QO	MG	TD	LA
P	IGYM	NEA	UOW	RS	KJ	BXH	CL	QP	DV	TF
Q	WBEV	NQX	CYF	DJ	OP	STH	KA	MG	UI	LR
R	JKCU	EDQ	OHM	YX	IS	FPA	WN	VG	TL	BR
S	OGSL	FUB	XTP	KR	AW	ENV	IJ	MQ	CH	YD
T	QKJS	BRO	VTW	EX	DM	YGF	LP	IC	NH	UA
U	OIDW	PXK	FGJ	LR	MB	NSQ	AU	YV	EC	TH
V	GOUE	JFV	APH	RQ	NK	WTS	DC	YB	LI	XM
W	EWBH	CNP	QJS	RT	MY	KAG	XO	IU	FL	DV
X	VNGD	EYB	PUM	QL	TK	IFO	JA	XR	SH	WC
Y	SLWP	DQT	AVK	FN	OJ	CXG	HE	UM	BI	YR

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 - Q.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

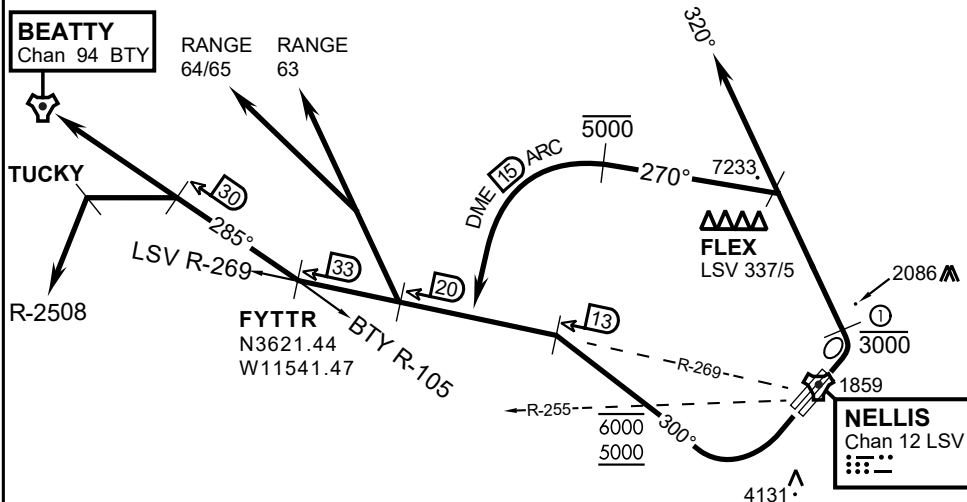
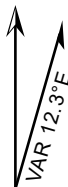
ATIS
 270.100
 NELLIS GROUND
 275.800
 NELLIS TOWER
 327.000
 NELLIS CONTROL
 317.525
 NELLIS DEP/APP EAST
 384.400
 BLACKJACK
 377.800

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

VMC ONLY

PILOT RESPONSIBLE FOR TERRAIN AVOIDANCE

① 4 NM from RWY 3L/R



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R:

- Remain below 3,000' MSL until north of Race Track and turned westbound.
- Turn left within 4NM of Nellis direct FLEX. Fly north of FLEX and turn left heading 270°.
- Intercept LSV R-255 between 5,000' and 6,000' , intercept and proceed outbound on the LSV R-269. Recommend climb to 8,500' MSL or appropriate VFR altitude for overflight of North Las Vegas Training Area. Fly routing for appr. mission/transition.

TAKEOFF RWY 21L/21R:

- Follow Noise Abatement Procedures.
- Fly runway heading until past Golf Course, turn right heading 300°.
- Cross LSV R-255 between 5,000' and 6,000' , intercept and proceed outbound on the LSV R-269. Recommend climb to 8,500' MSL or appropriate VFR altitude for overflight of North Las Vegas Training Area. Fly routing for appr. mission/transition.

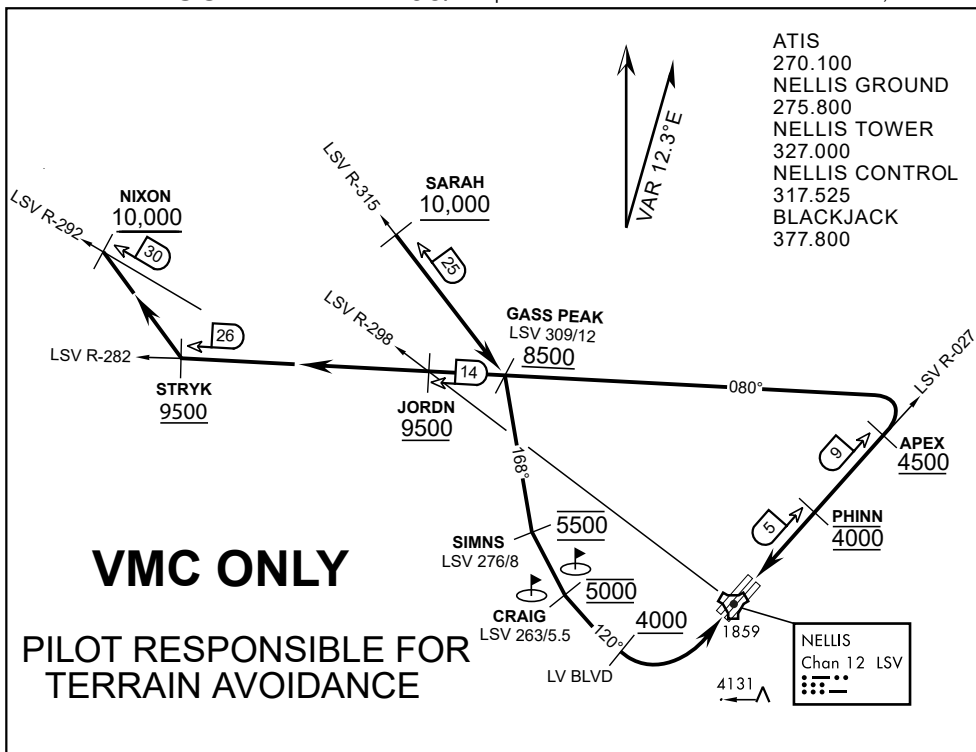
TRANSITIONS:

R-4806: Turn right at the LSV 269/20 direct to assigned ranges.

BEATTY: Turn right at FYTTR direct BTY via the BTY R-105

R-2508: Turn right at the FYTTR, intercept the BTY 105/30, direct TUCKY, then direct R-2508

FYTTR DEPARTURE AND TRANSITIONS (FYTTR LOW)



APPROACH ROUTE DESCRIPTION

APPROACH RWY 3L/R

Cross STRYK at or above 9,500' MSL, proceed direct GASS PEAK. Cross JORDN at or above 9,500' MSL, cross GASS PEAK at or above 8,500' MSL. Proceed direct SIMNS and cross at 5,500' MSL. Cross Las Vegas Blvd at or above 4,000' MSL then to 3,500' MSL for Initial. Remain within 4 DME if LSV on turn to final.

VFR STRAIGHT-IN RWY 3L/R

Depart CRAIG & descend to be at 3,000' MSL by Las Vegas Blvd. Do not descend below 3,000' MSL until within 5 DME of LSV or 4 NM of the runway on turn to final.

APPROACH RWY 21L/R

Cross STRYK at or above 9,500' MSL, proceed direct GASS PEAK. Cross JORDN at or above 9,500' MSL, cross GASS PEAK at or above 8,500' MSL. Cross APEX at or above 4,500' MSL then direct 5NM initial. Descend to cross PHINN at 4,000' MSL, Inside 5 NM descend to 3,500' MSL.

VFR STRAIGHT-IN RWY 21L/R

Cross APEX at 4,000' MSL. Descend to be at 3,000' MSL at PHINN. Descend to 3,000' MSL at LSV 027/5.

RANGE 63B EXIT

SOUTH: Via NIXON at or above 10,000' MSL, then direct STRYK.

EAST: Via SARAH at or above 10,000' MSL, then direct GASS PEAK.