

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
1878/2023		Cougar 1		Training		272000APR23	
Task	AAR Practice					Freq	
AO	Northern Nellis					261.25	
Departure			Recovery				
FYTTR LOW			STRYK				
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Cougar 1-1	Striver		1111	21Y	1561	
-2	Cougar 1-2	Uta		1112	84Y	1562	
-3	Cougar 1-3	Tank		1113	84X	1563	
-4	Cougar 1-4	Bane		1114	21X	1564	

LOADOUT			
A/A			GUN
A/G			CHF
POD			FLR
TKS			FUEL

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	16200				

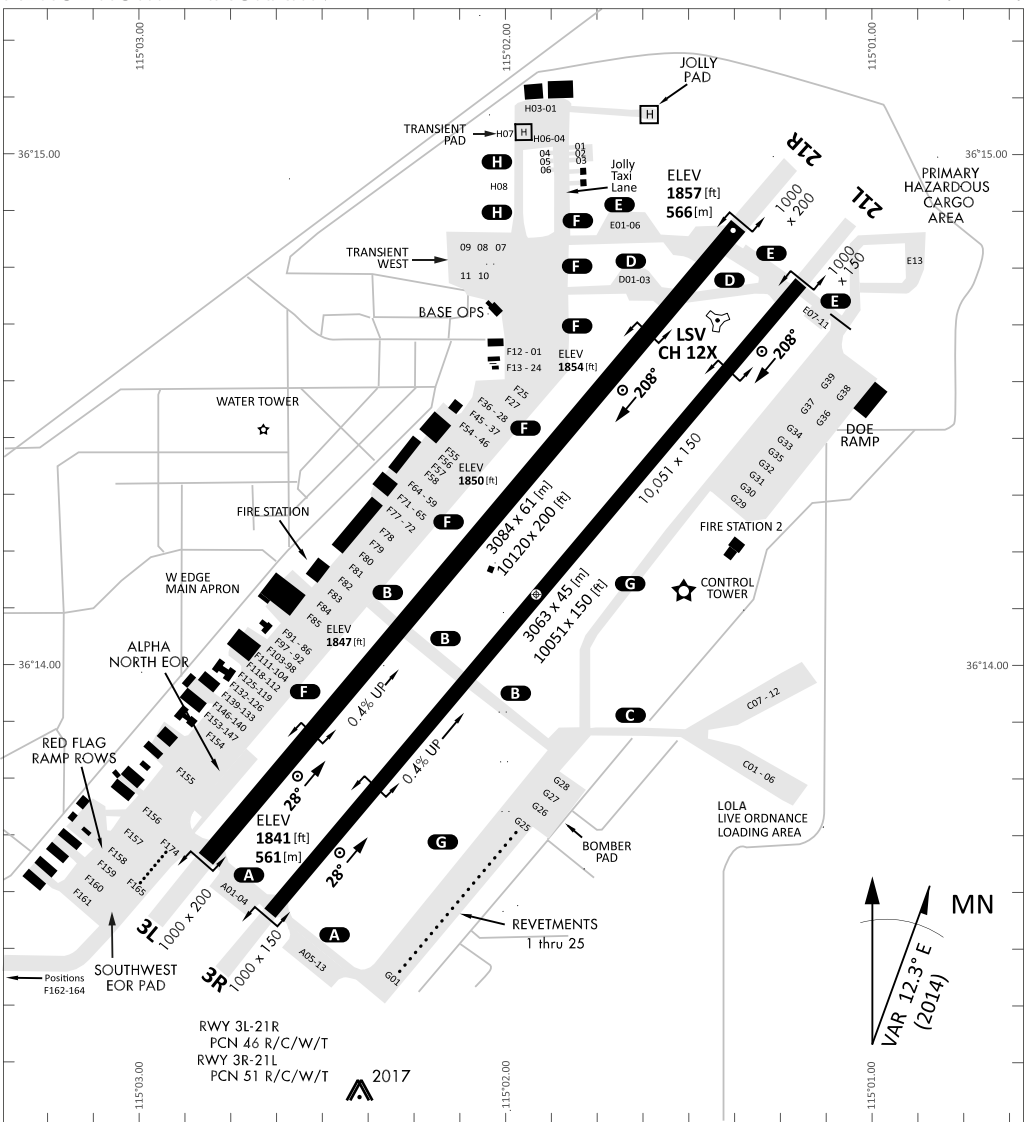
AIRBASES								
	Name	TCN	ATIS	GND	TWR	RWY	Elev	ILS
Dep	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Arr	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Edelweiss 7	Training	2x F/A-18C	261.35	21/84	41	167X
	AO	Range 64	Task	CAS/JTAC Training		
Darkstar* 1	Training	2x Ground	33.5	21/84		156X
	AO	Range 63	Task	JTAC		
Outlaw* 2	Training	2x Ground	33.65	21/84		156X
	AO	Range 64	Task	JTAC		
Raptor 1	Training	4x F-16C	134.0	21/84		156X
	AO	Range 61	Task	Bomb Training - VIP Mode		
Jedi* 2	Training	4x AH-64D	133.5	21/84		156X
	AO	LATNC	Task	Attack patterns		
T-Rex 2	Training	2x A-10C	132.25	27/90	25	165X
	AO	R64	Task	CAS		
Raptor 2	Training	4x F-16C	134.25	21/84		156X
	AO	Range 61	Task	Bomb Training - VIP Mode		
Monster 2	CAS	2x A-10C	132.15	27/90	21	164X
	AO	R63	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	
A	B	R	I	D	G	M	E	N	T	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	LDYE	IMK	SHC	PX	JU	FGQ	VO	RW	NT	AB
B	YJPF	ANG	LBQ	MC	ID	KTR	UH	OX	VE	WS
C	WGKU	IQO	SBM	YT	VH	ECD	JP	AX	RL	FN
D	DPOW	SRK	IGU	HN	AY	XTQ	LC	EB	VF	MJ
E	UWBC	FDS	PTX	QH	LK	RYO	NI	GE	JV	MA
F	NLFA	KCU	YTV	SP	JQ	BXI	OG	MH	DE	WR
G	PVQM	REY	BAF	NI	WC	UKT	XL	SD	HJ	OG
H	AVWX	STO	UHY	CR	QG	DME	FK	NB	IJ	LP
I	YSXH	DJF	EPO	NK	GC	IMR	WQ	AV	LB	UT
J	AWDI	RCG	HLJ	QT	MF	UVK	YX	SB	ON	EP
K	OQFX	YNB	WGH	DL	VJ	EMK	PA	SI	CU	RT
L	ALMV	CRB	DON	PY	GK	JFH	ST	IQ	EW	XU
M	MNOV	GPC	EHK	LB	YI	AXU	QW	SR	FJ	TD
N	BQCH	MOR	FGV	PS	UX	JAE	YL	IT	WK	DN
O	TCBN	ILX	RMV	JU	SQ	FGD	WA	OE	PK	HY
P	BGRH	SQF	LNI	YT	CP	EOW	DJ	AU	MK	XV
Q	KIVN	JTU	AHR	YL	WO	CMG	SP	EQ	FX	BD
R	HPOD	BGX	TCY	EW	AF	KNM	IJ	US	RV	QL
S	HRKX	OMB	DUF	AE	CP	NWL	TS	GV	JY	QI
T	SIYE	PNH	WFB	OU	TR	LAV	QX	CM	DJ	GK
U	INDG	OXA	WTQ	JL	RU	HES	PF	YV	KB	CM
V	BOYI	CQS	VXR	GT	MF	LHU	AK	PE	NJ	WD
W	BHIQ	EWN	XMS	KF	CU	AOT	VG	DJ	YP	LR
X	CJDX	YFL	UWM	IQ	RV	PEK	GA	SO	HN	TB
Y	LAMI	VDW	FRJ	XN	PC	UOQ	YE	BT	SK	GH

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



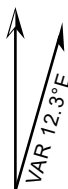
	RWY	CAT	MINIMA		ARP 36° 14.060° N 115° 01.058° W	ELEV 1857 [ft] 566 [m]	Scale 1:35'500 030060090012001500 [m] 010002000300040005000 [ft]
PAR	21L	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°				
SRA	3R	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°				
	21R	A C D E	2257 - 1.2 350 (350-1.2/1.6)				
	3L	A C D 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

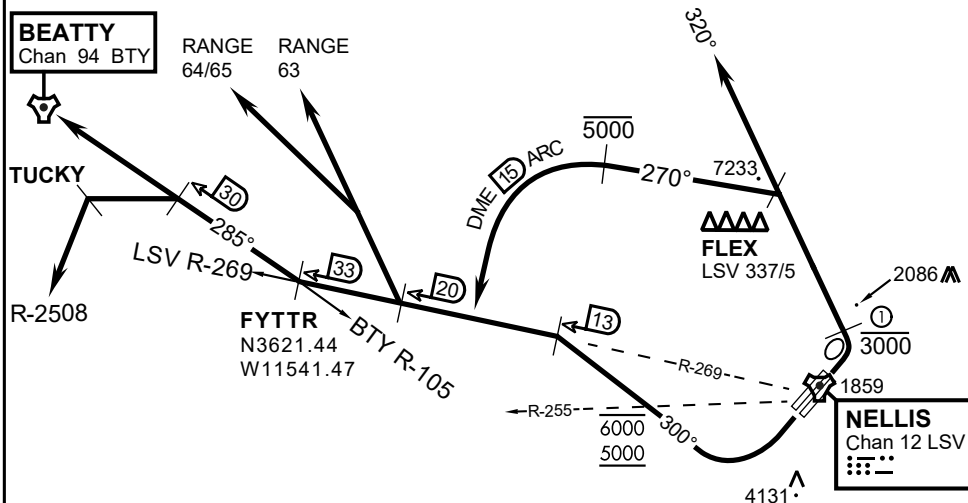
CAUTION: If unable to comply with restrictions advise ATC prior to departure.



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 15 DME ARC at or below 5,000' MSL.
- ARC south, intercept LSV R-269 outbound. Maintain VFR.

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.

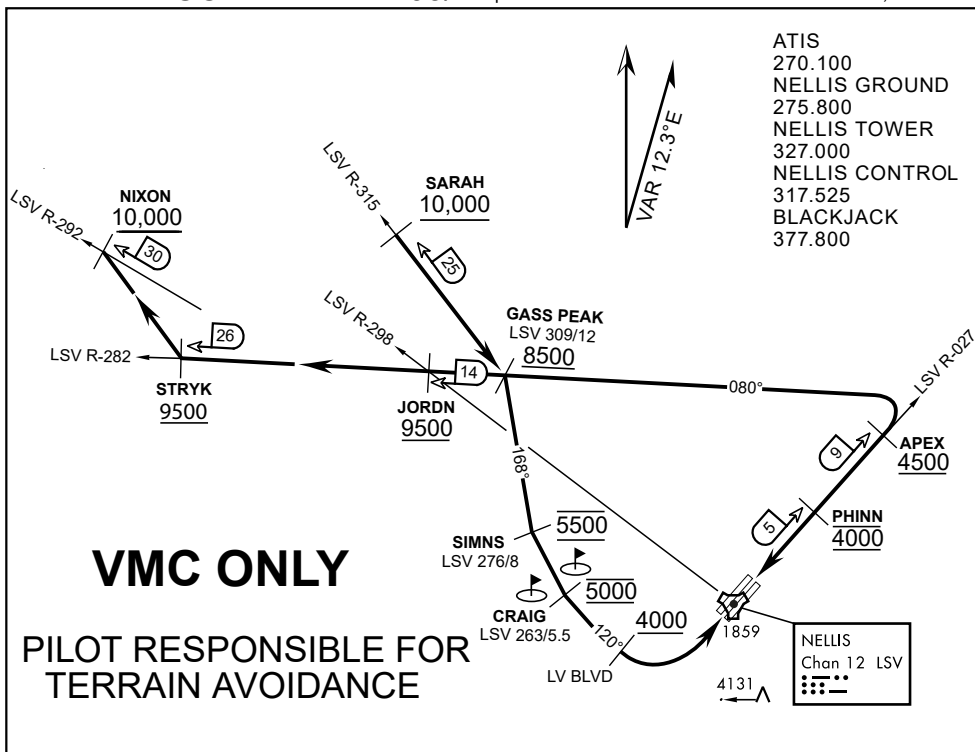
TRANSITIONS:

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.