

MISSION DATA CARD								
OPORD		Callsign		Mission		Date/Time		
1071/2022		Cougar 1		Training		152000AUG22		
Task						Freq		
AO						261.25		
Departure				Recovery				
FYTTR THREE				STRYK				
#	Callsign		Pilot		IFF	TCN	LSR	NET
-1	Cougar 1-1		Striver		1111	21Y	1561	
-2	Cougar 1-2		Bruce		1112	84Y	1562	

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

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	16200				

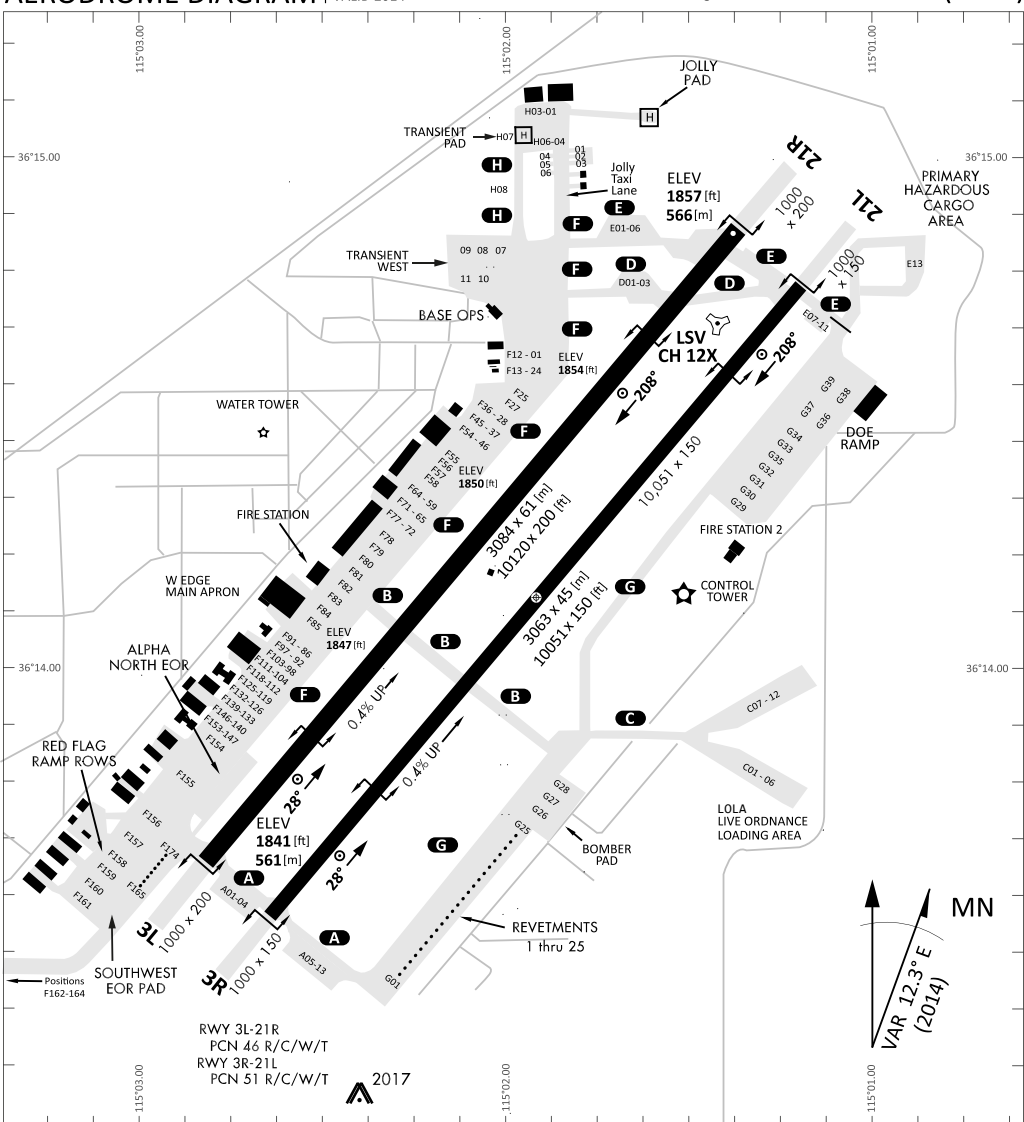
AIRBASES								
	Name	TCN	ATIS	GND	TWR	RWY	Elev	ILS
Dep	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Arr	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	GrpId	Laser
Edelweiss 2	Training	2x F/A-18C	264.25	21/84		172X
	AO		Task			
Panther 5	Training	4x F/A-18C	261.55	31/94		157X
	AO	AR-625	Task	Training AAR		

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	
S	H	O	P	L	I	F	T	E	R	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	SHFL	RGT	DAY	WC	QJ	BXM	PV	IK	UO	EN
B	SRWY	JCK	HMF	VL	XO	QBG	DU	TE	NP	IA
C	BWGH	QAX	JOF	CK	UN	DSP	TI	EY	RM	LV
D	DWCL	BGF	KNM	SI	QX	URP	AE	TY	HV	JO
E	ECOU	PJD	WFT	MV	RK	QAI	NS	LH	GB	XY
F	CWLH	TJQ	BYE	FU	AV	NOP	DR	SG	KX	IM
G	OQGH	VUP	XME	JD	SL	ICR	BT	WF	KA	NY
H	QFDW	OXN	KUS	GL	AV	EJC	MI	YB	TH	RP
I	OERT	LUK	VYS	GX	FH	AQD	CW	IN	MB	JP
J	KYPM	TVW	QIU	DC	AF	HXJ	GB	LE	SR	NO
K	AIXL	CNE	QDB	MT	PG	JSW	UH	FY	KV	RO
L	QWGI	LUE	SYN	CT	RH	KJX	VB	PA	MO	FD
M	JXRK	VHA	QWT	FM	DE	PLN	UI	SG	BO	YC
N	PHOS	YXV	TAI	GF	RE	BKC	QJ	WN	LM	DU
O	TKWY	RQC	EXJ	MG	NH	VPB	FD	IL	OU	SA
P	MVHD	LUP	QXG	IW	JE	FNA	SO	RT	BC	YK
Q	EQKA	BWX	LYU	VG	SM	OTF	PI	HN	CJ	RD
R	PSGA	OKY	EFU	QH	VD	XNT	WI	LM	BR	CJ
S	EDHT	VLX	AMS	UI	BF	CQG	NJ	KW	PO	RY
T	QUVM	DNT	JFE	IL	GA	XPS	HW	CO	RY	KB
U	MAQK	OTI	WHL	RV	NB	CGF	ED	UJ	PS	XY
V	KMHB	FVI	TQS	UC	JG	NPE	YL	AO	RX	WD
W	CUXD	FIL	TAH	GQ	OY	RSK	EB	NP	MJ	VW
X	NXAB	EPY	VFS	RG	DW	CTO	ML	IJ	QU	KH
Y	MQGS	LIX	OAR	EU	TC	JHY	VW	KN	FB	DP

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	

FYTTR THREE DEPARTURE

NELLIS AFB (KLSV)
IFR CHART | VALID 2014 LAS VEGAS, NEVADA

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



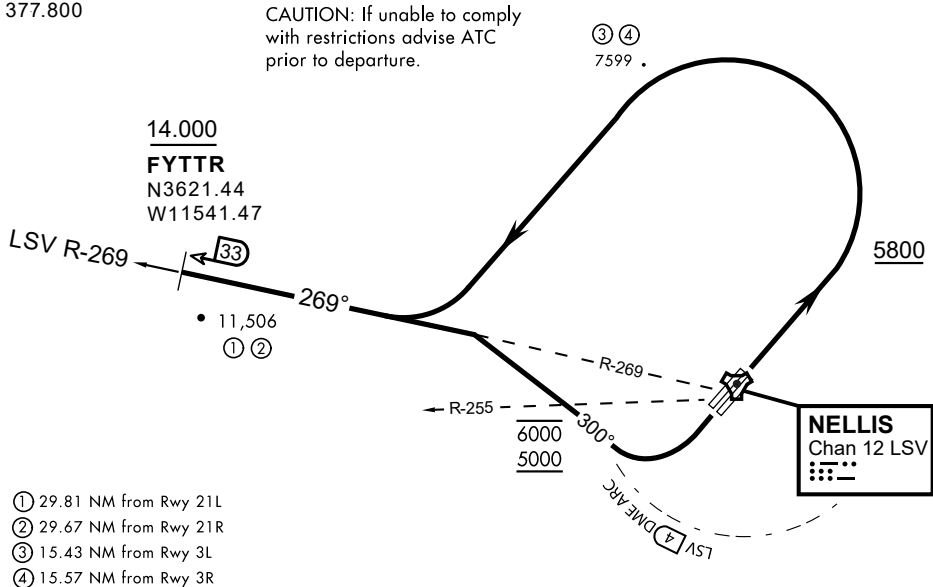
Rwy	Knots	60	120	180	240	300	360
3L	(a) V/V(fpm)	394	788	1182	1576	1970	2364
3R	(a) V/V(fpm)	392	784	1176	1568	1960	2352
21L	(b) V/V(fpm)	388	776	1164	1552	1940	2328
21R	(b) V/V(fpm)	390	780	1170	1560	1950	2340

Minimum Climb Rate

(a) to 9300

(b) to 13 500

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



- (1) 29.81 NM from Rwy 21L
- (2) 29.67 NM from Rwy 21R
- (3) 15.43 NM from Rwy 3L
- (4) 15.57 NM from Rwy 3R

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R

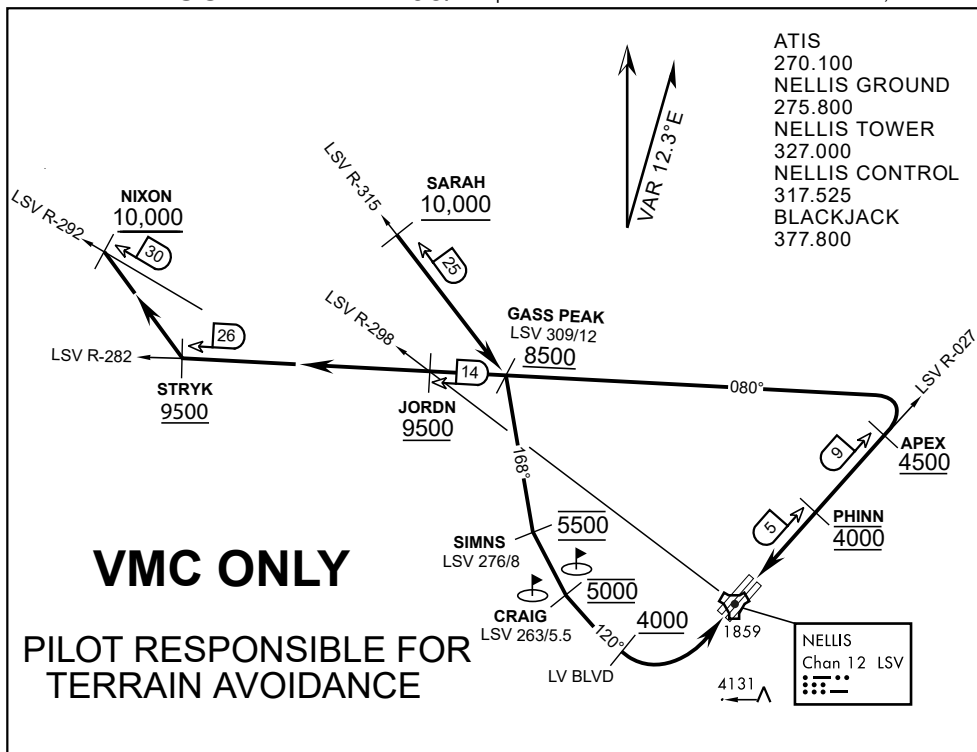
- Fly runway heading until reaching 5,800'.
- Then climbing left turn to intercept LSV TACAN R-269 outbound.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

TAKEOFF RWY 21L/21R

- Turn right to intercept LSV TACAN R-269 outbound.
- Remain within LSV 4 DME until joining LSV R-269
- Cross R-255 between 5,000' and 6,000'.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

NOISE ABATEMENT PROCEDURES:

Fly according Nellis Noise Abatement instructions as published



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.