

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
1864/2023		Cougar 1		Training		242000APR23	
Task	NCR CR #10						Freq
AO	SAM Training range						261.25
Departure				Recovery			
FYTTR LOW				ARCOE			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Cougar 1-1	Striver		1101	21Y	1561	
-2	Cougar 1-2	Uta		1102	84Y	1562	
-3	Cougar 1-3	Tank		1103	84X	1563	

LOADOUT			
A/A	2xA9M, 2xA7MH, 4xA54CM47		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

FLIGHTPLAN				
#	Name	Navaid/Coords/DME	ALT	TOT
1	1: ROCK	N36 34 W115 57		
2	2: GARTH	LSV 302/90 (N37 17.960 W116 21.260)		
3	3: BELTED PK	N37 34 W116 04.500		
4	FP: GRL 18X	N37 13.905 W115 48.159	4475	
5	IP: COYOTE PK	N37 37.500 W115 38	15000	

COMMS	
Radio	Usage
1	01 / Tanker / 01
2	03 / 04 / 16 / 04 / 03

NOTES

- 1) start mixed from LSV fytr low
- 2) running rndv to fytr
- 3) formation training fytr, rock, flush, garth, beltetd peak, rachel, coyote peak
- 4) SAM evasion training overhead groom lake TCN GRL 18X
- 5) Airspawn BLUE:Z-BFM-F14 (only 2 ships)
- 6) holding overhead coyote peak LH, A15
- 7) knock it off, RTB, arcoe rec

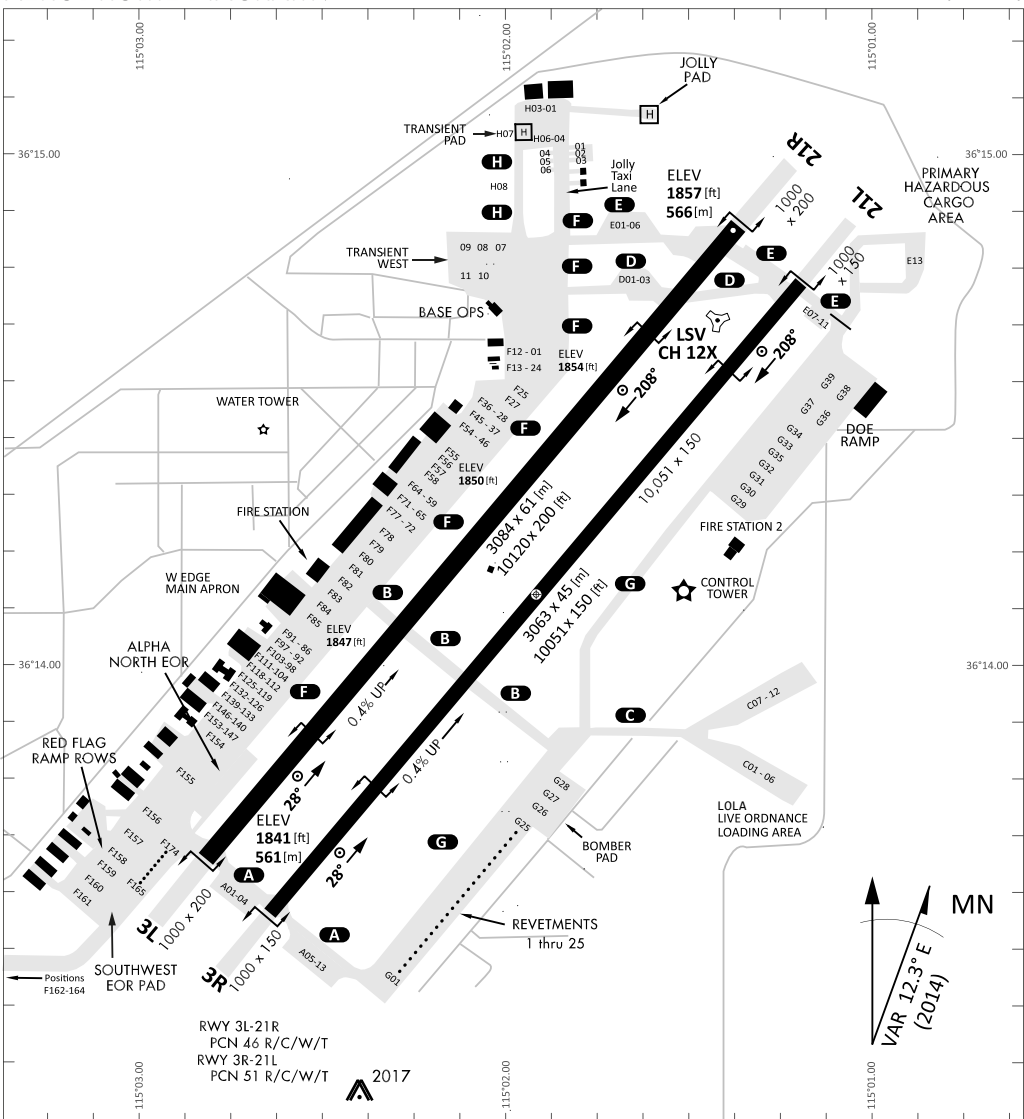
SUPPORT					
Tanker					
Callsign		TCN	Freq	ALT	TAS
ARCO 1		113Y	319.8	FL250	450
	Pos	AR-625: MVA 168/77 (N3717 W11802)			
SHELL 2		115Y	360.8	FL250	430
	Pos	AR-635: MLF 260/127 (N3831 W11542)			
AWACS					
Callsign	Freq	ALT	Pos		
MAGIC	377.8	FL270	N3749 W11417 - N3713 W11446		

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	GrpId	Laser
Raptor 1	Training	4x F-16C	134.0	21/84		156X
	AO	Range 61	Task	Bomb Training - Pop&HD		
Jedi* 2	Training	4x AH-64D	133.5	21/84		156X
	AO	LATNC	Task			
Raptor 2	Training	4x F-16C	134.25	21/84		156X
	AO	Range 61	Task	Bomb Training - Pop&HD		
Tiger	Training	2x F/A-18C	261.15	11/74		155X
	AO	REV NORTH	Task	BFM		
Raptor 2	Training	4x F-16C	134.25	21/84		156X
	AO	Range 61	Task	Bomb Training - Pop&HD		

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	
P	A	U	N	C	H	I	E	S	T	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	JCTW	RVK	OYH	PF	IS	EAQ	GM	XD	BL	UN
B	IKUP	NLD	WEG	RQ	CA	VXJ	OY	BM	HS	FT
C	JLGI	AOE	KFR	YW	TM	XCS	UP	HV	ND	QB
D	GYBL	AUT	RFV	MJ	CH	SOK	ED	WX	QP	NI
E	JTEQ	IHV	XGM	AD	RK	UPW	CL	FN	SY	OB
F	OSLG	NBE	HFI	VD	AU	CXP	WY	RQ	KM	JT
G	FPSR	MAG	IVL	NT	JO	XYH	WQ	ED	KU	BC
H	DMXK	VPA	WGE	CJ	SB	RYH	QO	UI	TL	NF
I	TVDM	JQI	ARH	GE	UC	NKO	XY	FW	BP	LS
J	FSXE	IGM	RLH	UK	DV	QPT	NW	BJ	OC	YA
K	OIJV	XSK	UTY	BM	AL	GHF	PE	NW	QD	CR
L	PBST	LRH	YVE	UX	IN	G CJ	OM	KQ	FW	AD
M	NYCK	ODF	UGV	XQ	LH	BJA	ES	RM	IT	PW
N	QJGW	BAO	HMN	IL	PX	TCE	VU	SY	RD	FK
O	UQTY	WEP	JIC	AF	OD	RXG	HM	KN	BV	LS
P	NWDT	AVX	KIB	MY	OR	HGC	EP	LS	UF	QJ
Q	LIQS	FAX	BVR	NC	WG	KOD	HM	YU	JP	TE
R	VSGT	UYF	BKH	NW	EQ	PCD	AJ	IM	RX	LO
S	ROEW	FMB	UXP	JY	SN	QCA	KT	DL	HG	IV
T	QGEW	KCD	OMN	FU	JV	YIT	AH	BP	XR	LS
U	EVDJ	TIA	QLC	YF	NW	PGH	UR	XK	BM	OS
V	QPKE	MTR	WYF	XB	CV	JNA	OS	ID	GH	LU
W	ULWY	DBG	AKR	XT	OF	EIN	CS	PQ	MJ	HV
X	KCFP	JRT	OAW	HL	SQ	BGM	ID	EY	XU	VN
Y	DYVB	LOR	CSW	NM	AT	PKX	QH	FJ	EG	IU

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	

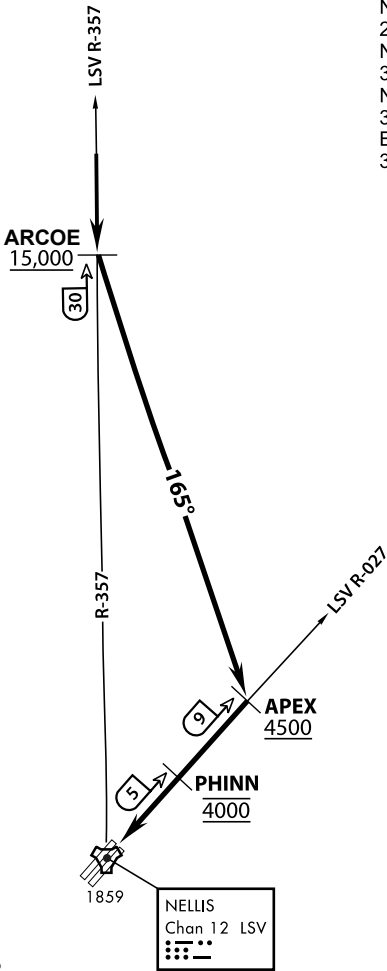
ATIS	NELLIS GROUND	NELLIS TOWER	NELLIS CONTROL	TACAN	ILS RWY 21L	NELLIS EAST	NELLIS WEST
270.100 MHz	275.800 121.800	327.000 132.55	317.525	LSV 12X	109.10 Mhz	384.400	385.000

VAR 12.3°E

PILOT RESPONSIBLE FOR TERRAIN AVOIDANCE

NELLIS
Chan 12 LSV

- ATIS
270.100
- NELLIS GROUND
275.800
- NELLIS TOWER
327.000
- NELLIS CONTROL
317.525
- BLACKJACK
377.800



VMC ONLY

**PILOT RESPONSIBLE FOR
TERRAIN AVOIDANCE**

APPROACH ROUTE DESCRIPTION

OVERHEAD

Cross ARCOE at or above 15,000 MSL, then heading 165° to APEX.
Cross APEX at or above 4,500 MSL, report to tower.
Cross PHINN (LSV 027/5) at 4,000 MSL then descend to 3,500 MSL for Initial.

VFR STRAIGHT IN RWY 21

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