

MISSION DATA CARD						
OPORD		Callsign	Mission	Date/Time		
1960/2023		Beast 2	Training	052030JUN23		
Task	Missile Defense					Freq
AO	Groom Lake					132.15
Departure			Recovery			
A10 TAC WEST			STRYK			
#	Callsign	Pilot	IFF	TCN	LSR	NET
-1	Beast 2-1	Marsy	2121	21Y	1561	12/01

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

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	11087				

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	FLEX	LSV 337/5 (N36 18.620 W115 02.360)		
2	Groom	INS 339/42 (N37 16.500 W115 48)		
3	SARAH	LSV 315/25 (N36 36.450 W115 18.030)		
4	GASS PEAK	LSV 309/12 (N36 24.140 W115 10.660)		
5	SIMNS	LSV 276/8 (N36 17.340 W115 10.750)		
6	CRAIG	LSV 263/5.5 (N36 15.250 W115 08.270)		

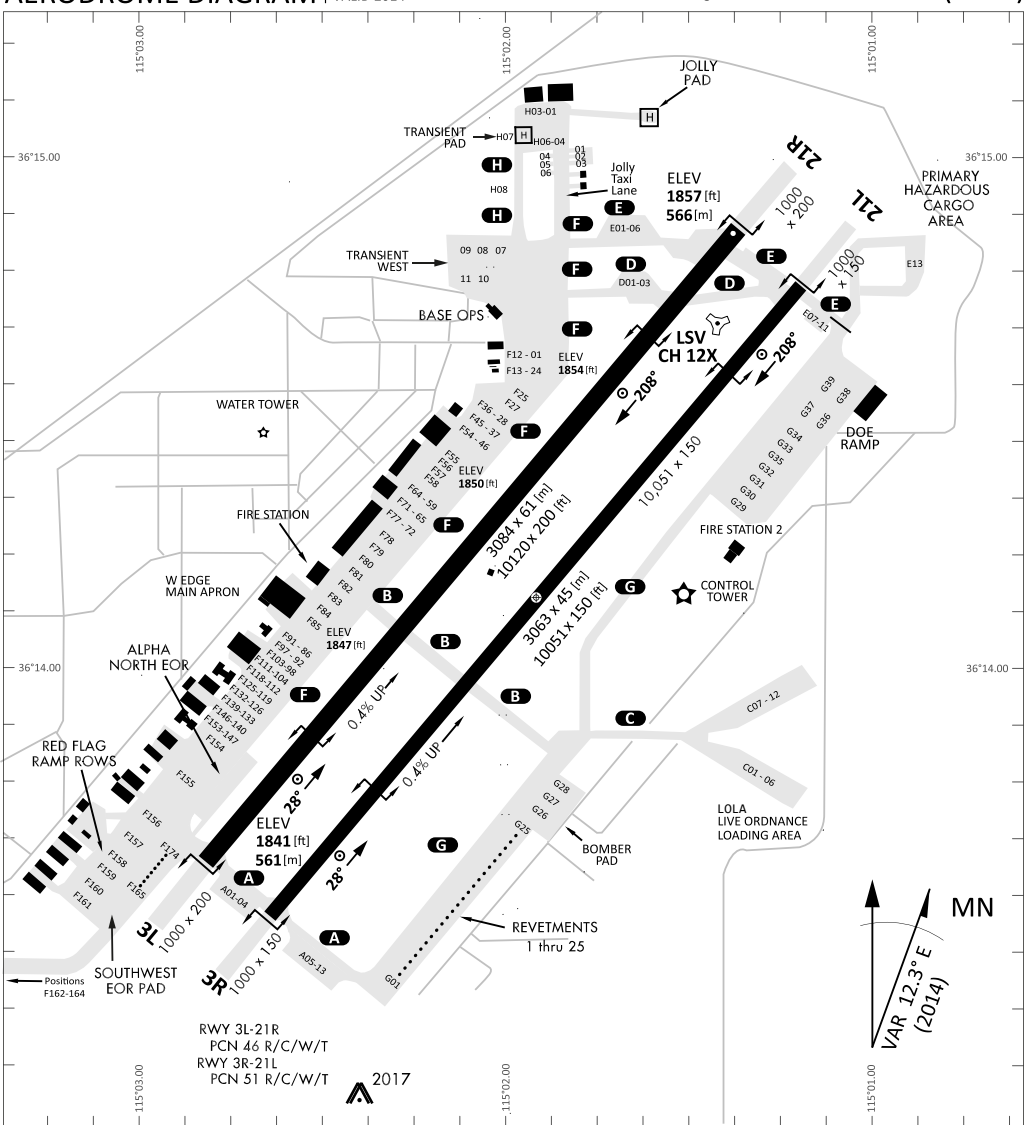
COMMS	
Radio	Usage
1	132.15
2	11-3-4-16-11-4-3
3	32.00

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Tiger 1	Training	4x F/A-18C	261.15	11/74	1	155X
	AO	Range 71.07	Task	GMT/AGM/GBU Training		
Edelweiss 4	Training	2x A-10C	133.55	21/84	25	174X
	AO		Task	Sam Training		
Tiger 2	Training	2x F/A-18C	261.35	11/74		155X
	AO	R 71.08	Task	GMT/AGM/GBU Training		
Raptor 1	Training	4x F-16C	134.0	21/84		156X
	AO	BFM ZRange	Task	Fox2 Training		
T-Rex 2	Training	2x A-10C	132.25	21/84	25	165X
	AO		Task	Sam Training		
T-Rex 4	Training	1x A-10C	130.55	18/81	18	169X
	AO		Task	Sam 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	
C	O	M	P	A	T	I	B	L	E	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	PUID	WTE	QGY	CK	LM	OBJ	NF	SA	RV	XH
B	AHQV	ENT	MGW	JB	RI	PCF	UL	SD	XY	OK
C	AXYU	IGE	PCJ	TB	KH	NVQ	FO	LM	WD	SR
D	PJWN	RXL	VAT	UK	MS	QDY	EH	BF	IO	GC
E	WAYL	MKX	JTP	SF	EV	UDR	GB	IH	NO	CQ
F	MOLX	DIN	JSQ	VG	YU	PTR	AW	KE	BH	FC
G	KEOM	LAP	GRN	WI	TJ	VUQ	DF	CY	XB	HS
H	KIWH	EYS	QAX	TR	JC	BLV	GP	ND	UO	MF
I	WIEQ	FSR	AKH	CM	BN	LTY	OD	VX	PU	GJ
J	BCTX	PIR	LNМ	YJ	WV	FGK	SE	HO	AQ	UD
K	TMSR	KDW	OVG	HF	XI	NBP	JY	LQ	UE	AC
L	BXUS	MEF	TNQ	HG	WP	KRY	OA	IJ	CL	VD
M	BHUT	IKC	WXM	SO	EP	AQL	FJ	RY	DN	GV
N	JLBV	RKX	HSO	DQ	PF	ITC	YA	WE	UN	GM
O	AYWC	SQU	JFN	BG	RV	LPM	DO	HT	IX	KE
P	FVWA	PLB	YCG	NS	QE	TUD	MI	RO	JX	KH
Q	WJSO	MFC	NHD	GT	UL	VIE	PY	XB	QA	RK
R	AKVP	YWH	LUO	SF	IB	CRD	EQ	MT	NG	XJ
S	PCNT	BKV	RWL	OH	YQ	EMI	JA	FD	GX	US
T	IHGD	OBP	ULJ	RW	FC	QYV	TA	KX	MS	NE
U	GNPV	FIY	DXE	UR	OS	QCH	BM	LJ	KA	WT
V	VODE	XGL	NSA	QJ	IH	KUY	FW	TM	RB	PC
W	LRCK	QFP	EGI	YM	AV	TBH	XU	SD	WO	NJ
X	MFTC	DQB	YSK	LG	EX	OHP	RI	UV	NW	JA
Y	KFNU	OJW	VTG	QP	AI	XHM	BE	SR	CL	YD

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



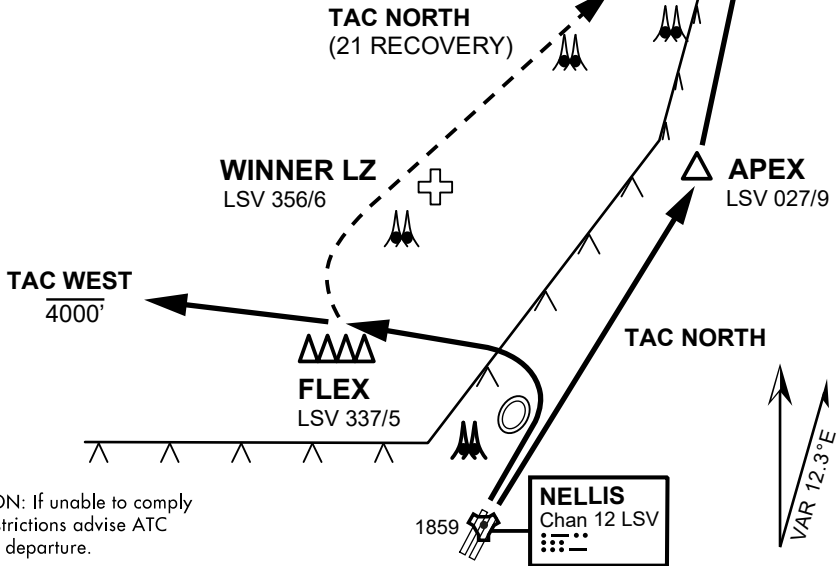
PAR	RWY	CAT	MINIMA		ARP 36° 14.060' N 115° 01.058' W	ELEV 1857 [ft] 566 [m]	Scale 1:35'500						
	21L	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°				0	300	600	900	1200	1500 [m]	
	3R	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°				0	1000	2000	3000	4000	5000 [ft]	
SRA	21R	A C D E	2257 - 1.2 350 (350-1.2/1.6)										
	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

VMC ONLY

PILOT RESPONSIBLE FOR TERRAIN AVOIDANCE

DRY LAKE
LSV 017/15



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



DEPARTURE ROUTE DESCRIPTION

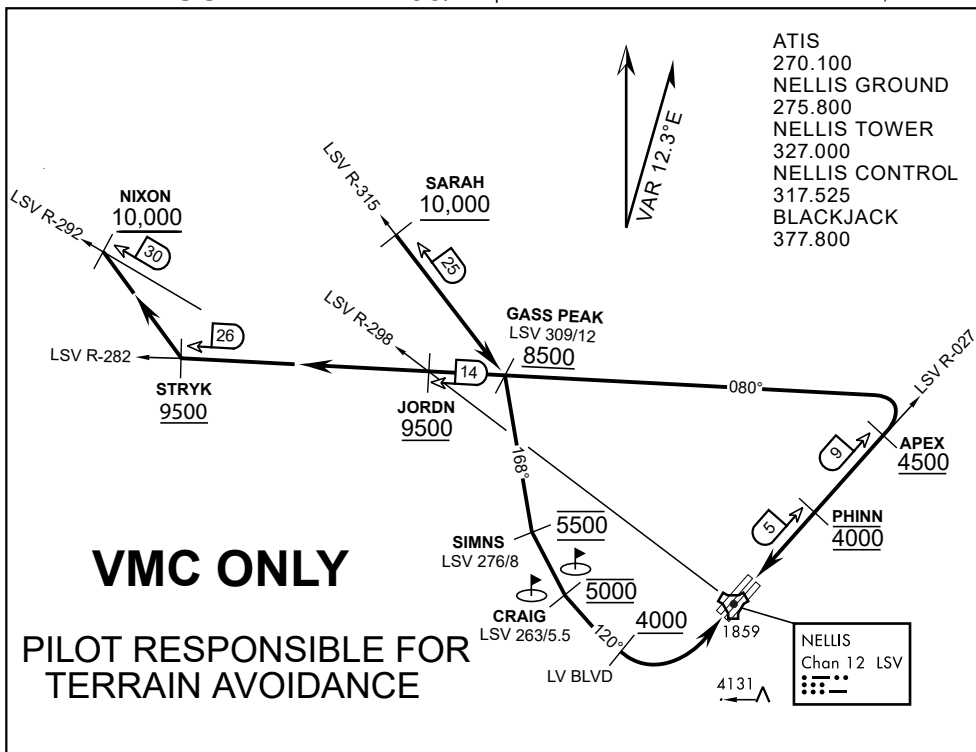
- Tac North / Tac West departures only flown during daylight from RWY 03
- Use caution for helicopters operating 3 Nm NE of FLEX (Winner LZ).
- Flights will remain at 500' AGL until deconflicted with helicopter traffic.
- Upon reaching FLEX or Dry Lake maintain VFR, remain clear of Class B airspace, and switch frequency to coordinate for range entry.

TAC NORTH

- Proceed direct APEX then direct Dry Lake. Report "APEX" informing ATC flight will clear Class B in 3Nm enroute to Dry Lake.
- For opposite direction takeoffs when RWY 21 is the active, proceed to FLEX then to Dry Lake.
- Report "FLEX" to inform ATC flight is clear of Class B airspace. Use caution for helicopter training.

TAC WEST:

- Proceed to FLEX. Report "FLEX" to inform ATC flight is clear of Class B airspace. Remain below 4000' MSL until north of Gass Peak.



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.