

MISSION DATA CARD								
OPORD		Callsign		Mission		Date/Time		
2059/2023		Vanguard		Training		212015AUG23		
Task	WEAPONS TRAINING					Freq		
AO	ALAMO + R-61B					264.55		
Departure				Recovery				
DREAM FOUR				STRYK				
#	Callsign		Pilot		IFF	TCN	LSR	NET
-1	Vanguard-1		Herby		3301	21Y	1631	

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

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	7758				

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
Div	Creech AFB	87X	290.45	275.8	360.6			

FLIGHTPLAN				
#	Name	Navaid/Coords/DME	ALT	TOT
1	ATALF	N36 23.517 W114 52.327		
2	JUNNO	N36 43 48 W114 52 46.200	15000	
3	DREAM	N37 10 20.400 W114 59 31.800	15000	
4	Alamo N Point	N37 12 48 W115 20 30	15000	
5	T61.01	N37 09.575 W115 25.575		
6	STRYK	N36 25 37.200 W115 30 42	15000	
7	GASS PEAK	N36 24 08.400 W115 10 39.600	15000	
8	SIMNS	N36 17 20.400 W115 10 45	15000	
9	CRAIG	N36 15 15 W115 08 16.200	15000	
10	Nellis AFB	N36 13 32 W115 02 37	1500	

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	Grpld	Laser
Raptor 1	Training	2x F-16C	134.0	21/84		156X
AO		Task				
Edelweiss 6	Training	2x A-10C	134.65	21/84	40	166X
AO	Nellis AFB	Task	BJT			
Tiger 1	Training	4x F/A-18C	261.15	11/74	1	155X
AO		Task	A/A - Refuel Training			
Monster 1	Training	4x A-10C	132.15	25/88	21	161X
AO	R64 + AR-641A	Task	AAR + Gun Training			
T-Rex 2	Training	4x A-10C	132.25	27/90	25	165X
AO	R64 + AR-641A	Task	AAR + Gun Training			
Nazgul* 6	Training	4x F-15E	261.25	21/84		156X
AO		Task				
Raptor 2	Training	2x F-16C	134.5	21/84		156X
AO		Task				
Tiger 2	Training	4x F/A-18C	261.15	11/74	2	155X
AO		Task	A/A - Refuel Training			
Edelweiss 1	Training	1x F/A-18C	264.15	21/84		171X
AO		Task				
Edelweiss	Training	1x F/A-18C	264.05	21/84		170X
AO		Task				
Edelweiss 1	Training	1x F/A-18C	264.15	21/84		171X
AO		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	
M	A	N	I	F	E	S	T	L	Y	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	RETD	BOQ	KCN	SH	WU	VYG	JA	MP	XI	FL
B	NTOJ	SAQ	FMR	IB	KL	HUW	CP	EG	XV	YD
C	QUNJ	GPH	IVB	TF	ML	RES	XO	YW	KC	AD
D	LIBS	EMQ	XWP	CO	NT	KUY	VR	DF	GA	HJ
E	LWUG	SFK	XHE	RI	TN	DYC	PQ	MA	OJ	VB
F	QRPX	TOV	KAS	MF	UJ	NLD	YI	CG	WE	HB
G	JTLW	BHD	ICS	UQ	FP	RAX	EK	OY	MG	VN
H	BJNX	QAD	YLV	HU	KP	FTM	ER	OG	SI	WC
I	BCIN	GEM	PAV	FR	HX	JKQ	SW	DL	UT	YO
J	KCBY	TEN	JFD	RH	AG	SVI	MO	QU	XL	WP
K	RDCE	KMU	NTO	FY	IX	WHQ	JB	SG	VL	AP
L	MGFX	VLR	OYW	CA	PQ	IKD	HE	NB	SJ	TU
M	XOSQ	WBU	FCR	YN	PK	ETG	VI	AM	LD	HJ
N	ADHG	EBS	YUL	PW	FR	IQM	OX	CK	NV	JT
O	FHNE	GTY	JQW	OB	KV	XSC	DP	LR	MA	IU
P	YNEA	CTR	VSX	LO	IF	MPQ	WG	KB	UJ	HD
Q	JHEA	IYR	LNF	KS	UB	PWM	DO	QT	GC	XV
R	UEBJ	HQV	KFA	PT	CR	SOW	GY	NM	ID	XL
S	FMCO	RXN	QGA	PT	YJ	IDS	BV	HU	LE	WK
T	OWCU	YXJ	LFV	QB	GN	KTP	EH	AS	IM	DR
U	EXSN	RAP	WIY	FO	QT	KLC	UD	VH	JG	MB
V	FNAL	UTO	YMW	GI	DH	PQR	SV	KX	CB	EJ
W	IMTP	ECQ	VWO	LU	SX	DHB	KA	JY	GN	RF
X	DRSP	UMH	CVF	LT	QE	JBI	XN	KY	GA	OW
Y	VTYP	MRC	UNL	XA	EF	HWB	JD	OQ	IG	KS

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

DREAM
N3710.34
W11459.53

MINTT
LAS 351/38
17,000

Rwy	Knots	60	120	180	240	300	360
* 3 L (a)	V/V(fpm)	269	538	807	1076	1345	1614
* 3 R (b)	V/V(fpm)	245	490	735	980	1225	1470
† 3 L (c)	V/V(fpm)	498	996	1494	1992	2490	2988
† 3 R (c)	V/V(fpm)	496	992	1488	1984	2480	2976
* 21 L (d)	V/V(fpm)	389	778	1167	1556	1945	2334
* 21 R (d)	V/V(fpm)	395	790	1185	1580	1975	2370
† 21 L (c)	V/V(fpm)	453	906	1359	1812	2265	2718
† 21 R (c)	V/V(fpm)	457	914	1371	1828	2285	2742

* Minimum † ATC Climb Rate

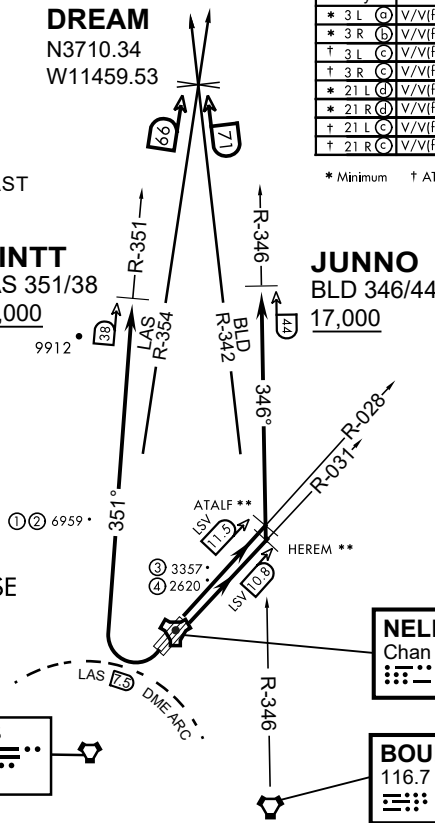
- (a) to 3600
(b) to 3100
(c) to 17,000
(d) to 8500
- ** Lead DME:
ATALF - LSV 9.5
HEREM - LSV 8.8

- ① 12.24 NM from Rwy 21R
② 12.40 NM from Rwy 21L
③ 5.67 NM from Rwy 3L
④ 5.85 NM from Rwy 3R

NOT FOR CIVIL USE

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

LAS VEGAS
116.9 LAS
Chan 116



NELLIS
Chan 12 LSV

BOULDER CITY
116.7 BLD
Chan 114

VAR 12.3°E



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 3L

- Fly runway heading to intercept the LSV TACAN R-028 then direct ATALF, intercept the BLD VORTAC R-346 then direct JUNNO, cross JUNNO at or above 17,000, then via assigned route.

TAKE-OFF RWY 3R

- Fly runway heading to intercept the LSV TACAN R-031 then direct HEREM, intercept the BLD VORTAC R-346 then direct JUNNO, cross JUNNO at or above 17,000, then via assigned route.

TAKE-OFF RWY 21L/R

- Turn right to intercept LAS VORTAC R-351 outbound. Remain North of LAS 7.5 DME turning Northbound. Intercept LAS R-351 between 5000 and 6000, do not proceed West of LAS R-351. Cross MINTT at or above 17,000, then via assigned route.

NOISE ABATMENT PROCEDURES: Fly acc. Nellis Noise Abatement instructions



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.



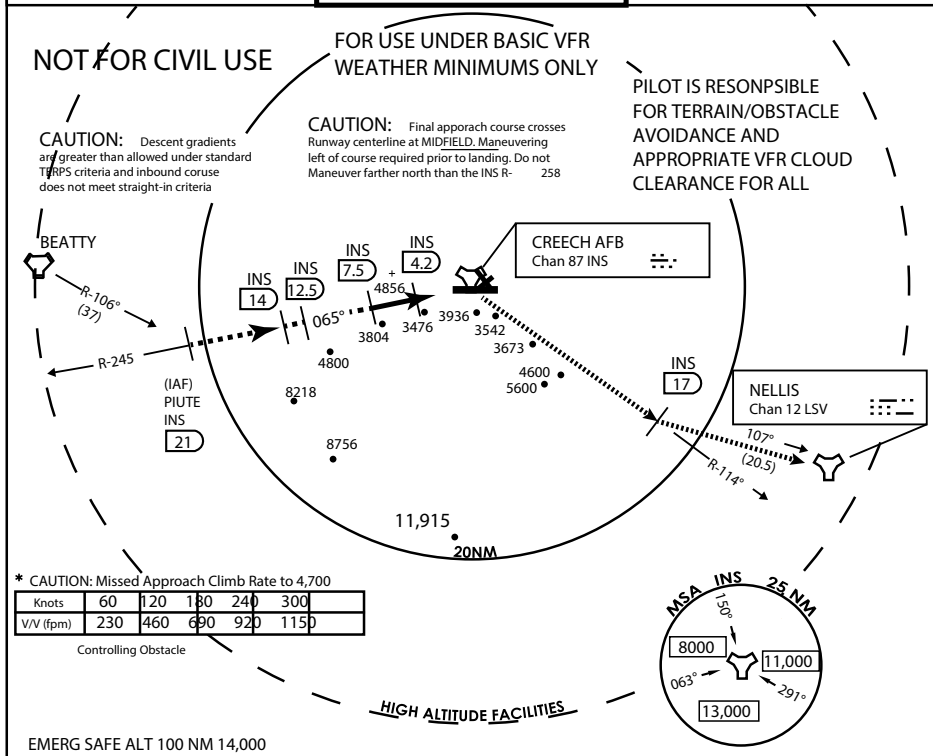
INDIAN SPRINGS, NEVADA

TACAN INS Chan 87	APCH CRS 065 °	Rwy ldg TDZE Arpt Elev	9002 3133 3113
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INDIAN SPRINGS AF AUX (KINS)

NOT FOR CIVIL USE	* MISSED APPROACH: Straight ahead to INS TACAN, intercept INS R-outbound, cross 17 DME at or above 9500, then direct KSV TACAN	114
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NELLIS CON -	CREECH AFB TOWER 118.30 660.60	GND CON -
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21 10,000 065° 9000 14 12.5 7600 7.5 5600 4.2 4400 2 TACAN INS INS R-114 INS 11 ELEV 3129						
CATEGORY	A	B	C	D	E	
S-8	3760-1 1/2	627 (700-1 1/2)	3760-1 1/2 627 (700-1 1/2)	3760-2 627 (700-2)	3760-2 1/4 627 (700-2 1/4)	
CIRCLING	NOT AUTHORIZED					MIRL Rwy 8-26

CITY OF INDIAN, NEVADA

INDIAN SPRINGS AF AUX (KINS)

(FOR DAY VFR USE ONLY)

Modified by vJaBoG 66 for use with DCS
NOT FOR REAL LIFE NAVIGATION



