

MISSION DATA CARD						
OPORD		Callsign	Mission	Date/Time		
1947/2023		Vanguard 1	Training	012015JUN23		
Task	AGM-65 TRAINING					Freq
AO	R-61A+B					264.55
Departure			Recovery			
DREAM FOUR			HI-ILS or LOC/DME Z RWY 21L			
#	Callsign	Pilot	IFF	TCN	LSR	NET
-1	Vanguard 1-1	Herby	3311	21Y	1681	

LOADOUT			
A/A	2xA9M	GUN	100% none
A/G	4xA65E	CHF	60
POD	TGP	FLR	120
TKS		FUEL	100%

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 31 W114 52 20	10000	
2	JUNNO	BLD 346/44 (N36 43 48 W114 52 46)	17000	
3	DREAM	LAS 354/66 BLD 342/71 (N37 10 20 W114 59 32)	17000	
4	Alamo N Point	LSV 333/60 (N37 12 48 W115 20 30)	17000	
5	T61.01	N37 09 34 W115 25 35	3500	
6	TIMBR	LSV 011/33 (N36 45 W114 44 35)	13000	
7	GASS PEAK	LSV 309/12 (N36 24 08 W115 10 40)	9000	
8	SIMNS	LSV 276/8 (N36 17 20 W115 10 45)	5500	
9	CRAIG	LSV 263/5.5 (N36 15 15 W115 08 16)	5000	

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
Panther 2	Training	3x F/A-18C	261.45	31/94		157X
	AO	Tonopah Airfield	Task	Training A/G Radar Strike		
Tiger 2	Training	2x F/A-18C	261.25	11/74	1	155X
	AO	Tonopah Airfield	Task	A/G Radar JDAM Training		
Edelweiss 6	Training	2x A-10C	134.65	21/84	40	166X
	AO	R66 and Area SW of FYTTR	Task	Formation Procedures Night		
Cougar 1	Training	4x F-14B	261.25	21/84		156X
	AO		Task			
Rattler 2	Training	2x AH-64D	35.35	21/84		125X
	AO	LATNC	Task			
Monster 1	Training	3x A-10C	132.15	25/88	21	161X
	AO	R64	Task	Gun Night		

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	R	O	D	U	C	T	I	V	E	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	AHDJ	RTX	LIG	WO	US	FPY	NB	KC	VM	QE
B	NLEW	UOB	IJP	MD	CH	AQR	SF	GT	KY	VX
C	AGOJ	KVB	WXI	FS	NM	QEH	LY	RC	UT	PD
D	VGUT	LRP	FDW	KQ	BI	ONE	JC	MY	SA	HX
E	BWRF	JUA	STQ	MI	XK	PLO	EY	DV	HC	GN
F	SQVL	CGM	AWJ	DF	IN	YXU	ET	KP	HO	BR
G	TAGB	IRH	YEF	MW	CD	VLX	NU	KJ	QS	PO
H	DJKC	MBV	RAX	PQ	SW	NTG	YL	EU	OF	IH
I	OEVD	KNJ	CQY	FM	WH	BIG	RU	AP	TX	LS
J	BWAS	YLC	JON	GD	PX	IRE	QF	UT	VK	MH
K	CBKF	SRN	PJL	DM	AY	HVW	TU	EI	QX	OG
L	XYIA	TBH	NVP	MG	WL	EDU	SC	QJ	FK	OR
M	AIGB	VFD	OYW	XK	PR	ELN	UH	JQ	CS	TM
N	IKVF	JEO	WHM	LC	DS	GYQ	BT	RA	XN	UP
O	IFPQ	RJX	VHW	KN	ST	YGD	CO	BA	UM	EL
P	FTOM	PQG	VNK	UX	SA	EWL	DH	YJ	RB	IC
Q	IFEQ	DSY	OHJ	UM	PW	XKL	TA	VG	NC	BR
R	RANS	CGI	WHF	PJ	TQ	UYB	OL	DV	EM	KX
S	QTDC	BEJ	VSX	IF	NR	GLU	OW	YH	MA	KP
T	SPQV	UTM	WJD	AH	BN	CXO	LF	RE	GI	KY
U	DOIU	QFT	VHS	WP	GN	RCY	XA	LE	MJ	KB
V	KIXP	TQW	YVC	FU	HM	ARJ	GE	DN	OL	BS
W	ULVK	JES	XOR	PC	MI	TNB	GQ	FY	DA	HW
X	EXBM	WCQ	FYJ	UI	SD	PHA	TV	GO	NR	KL
Y	LIWD	GUA	RSJ	NH	VM	XQF	EK	TP	OB	CY

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)

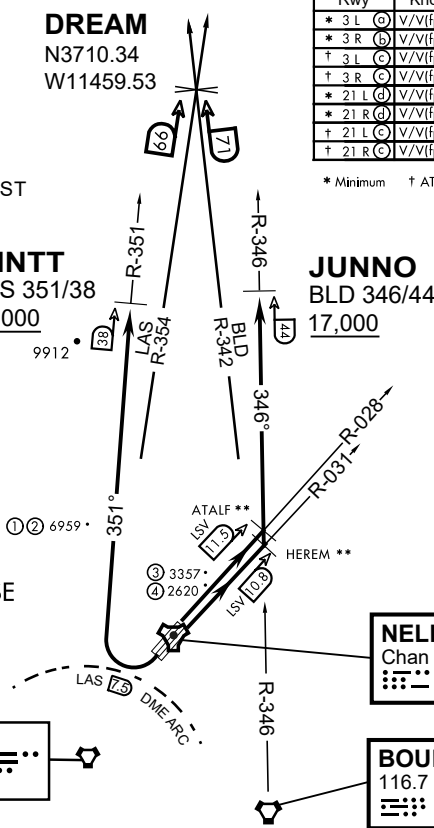
to 8500
- ** Lead DME:
ATALF - LSV 9.5
HEREM - LSV 8.8

- (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



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

LAS VEGAS, NEVADA

HI-ILS or LOC Z RWY 21L

LOC I-DIQ 109.1	APCH CRS 209°	Rwy Idg TDZE Arpt Elev	10,051 1865 1869	10,120 1869
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JAL-227 (USAF)

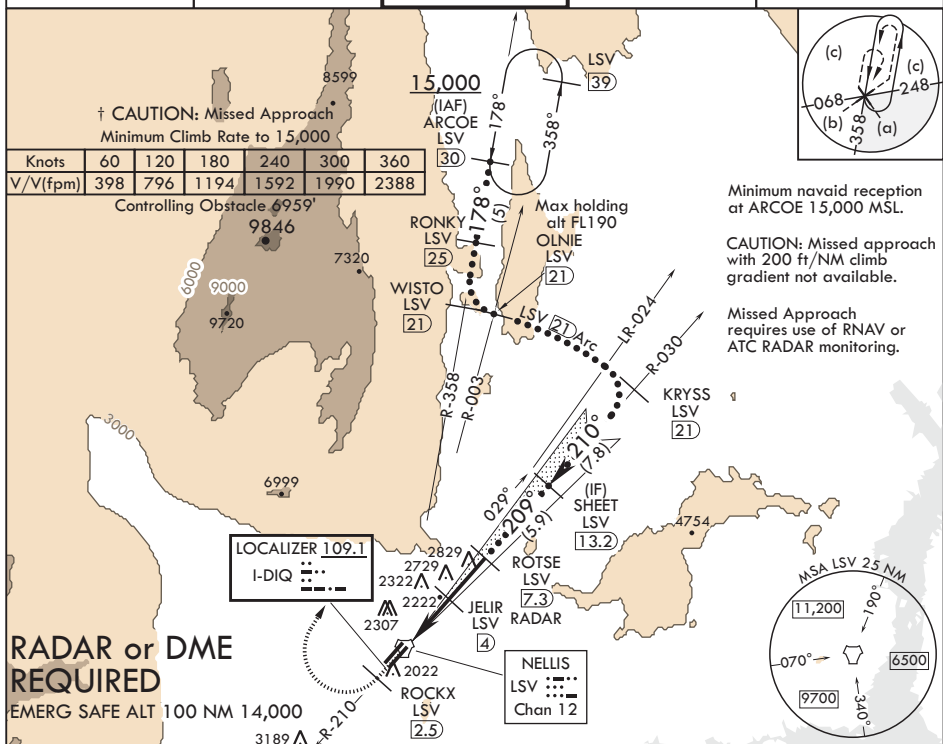
NELLIS AFB (KLSV)

T * When ALS inop, increase CAT CDE RVR to 40, vis to 3/4 mile.
 ** When ALS inop, increase CAT CDE vis to 1 3/4 miles.
 *** Circling not authorized E of Rwy 3R-21L.

Rwy 21
ALSF-1

† MISSED APPROACH: Climb to 15,000, intercept LSV TACAN R-210 to 2.5 DME (ROCKX), then climbing right turn heading 020° to join LSV R-358 to ARCOE and hold, continue climb-in-hold to 15,000. Missed approach not for civil use.

ATIS 270.1	APP CON 124.95 273.55	TOWER 132.55 327.0	GND CON 121.8 275.8	CLNC DEL 120.9 289.4
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[illegible]

LAS VEGAS, NEVADA

36°14'N - 115°02'W

NELLIS AFB (KLSV)

Amdt 8 03JAN19

HI-ILS or LOC Z RWY 21L

SW-4, 05 DEC 2019 to 02 JAN 2020

SW-4, 05 DEC 2019 to 02 JAN 2020



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)



* MISSED APPROACH: Straight ahead to INS TACAN, intercept INS R-outbound, cross 17 DME at or above 9500, then direkt KSV TACAN

114

NELLIS CON

CREECH AFB TOWER
118.30 660.60

GND CON

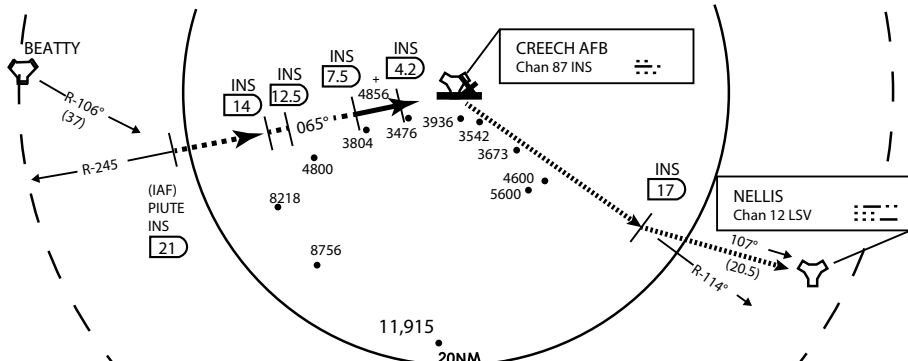
NOT FOR CIVIL USE

FOR USE UNDER BASIC VFR
WEATHER MINIMUMS ONLY

PILOT IS RESPONSIBLE FOR TERRAIN/OBSTACLE
AVOIDANCE AND
APPROPRIATE VFR CLOUD
CLEARANCE FOR ALL

CAUTION: Descent gradients
are greater than allowed under standard
TERPS criteria and inbound course
does not meet straight-in criteria

CAUTION: Final approach course crosses
Runway centerline at MIDFIELD. Maneuvering
left of course required prior to landing. Do not
Maneuver farther north than the INS R- 258



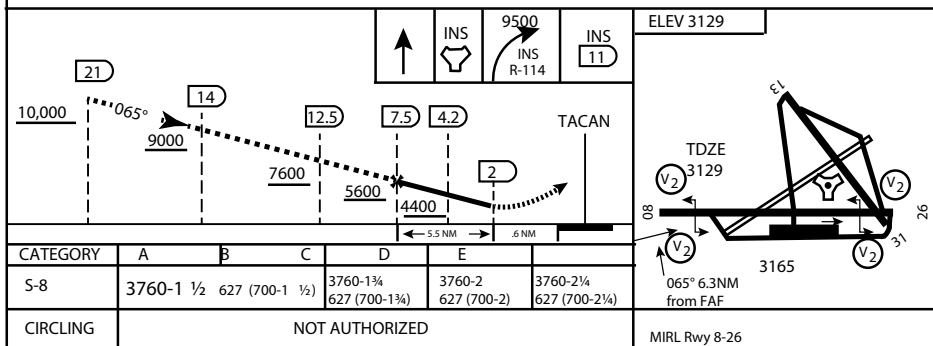
* CAUTION: Missed Approach Climb Rate to 4,700

Knots	60	120	180	240	300
V/V (fpm)	230	460	690	920	1150

Controlling Obstacle

HIGH ALTITUDE FACILITIES

EMERG SAFE ALT 100 NM 14,000



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



