MISSION DATA CARD			
OPORD	Callsign	Mission	Date/Time
1012/2022	Lion 1	Training	202000JUN22

Task	Mav Training	Freq
AO	Range 66	134.0

Departure	Recovery
DREAM FOUR	ILS or LOC/DME X RWY 21L

#	Callsign	Pilot	IFF	TCN	LSR	NET
-1	Lion 1-1	Nerkub	1311	41Y	1581	
-2	Lion 1-2	Cyking	1312	104Y	1582	
-3	Lion 1-3	Hercules	1313	104X	1583	

LOADOUT			
A/A	2xA120C, 2xA9X	GUN	100% HEI-T
A/G	2xA65D	CHF	120
POD	HTS, TGP	FLR	0
TKS	FT300	FUEL	100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	9166				

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	Nellis	N36 14.680 W115 01.500		
2	FYTTR	LSV 269/33 (N36 21.440 W115 41.470)		
3	T66.01	N35 34.881 W116 42.391		
4	T66.02	N35 34.828 W116 43.436		
5	T66.03	N35 34.270 W116 45.323		
6	KRYSS	N36 30.369 W114 44.190	9000	
7	Nellis	N36 14.680 W115 01.500		

OTHER FLIGHTS							
Callsign	Mission	Airframe	Freq	TCN	GrpId	Laser	
Edelweiss 2	Training	3x AH-64D	133.5	21/84		172X	
AO	Nellis, Winner LZ	Task					
BamBam 4	Training	3x AH-64D	133.25	21/84		156X	
AO	Range 63	Task					
Tiger 1	Training	4x F/A-18C	261.15	11/74	1	155X	
AO	Range 75-15	Task	A/G 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

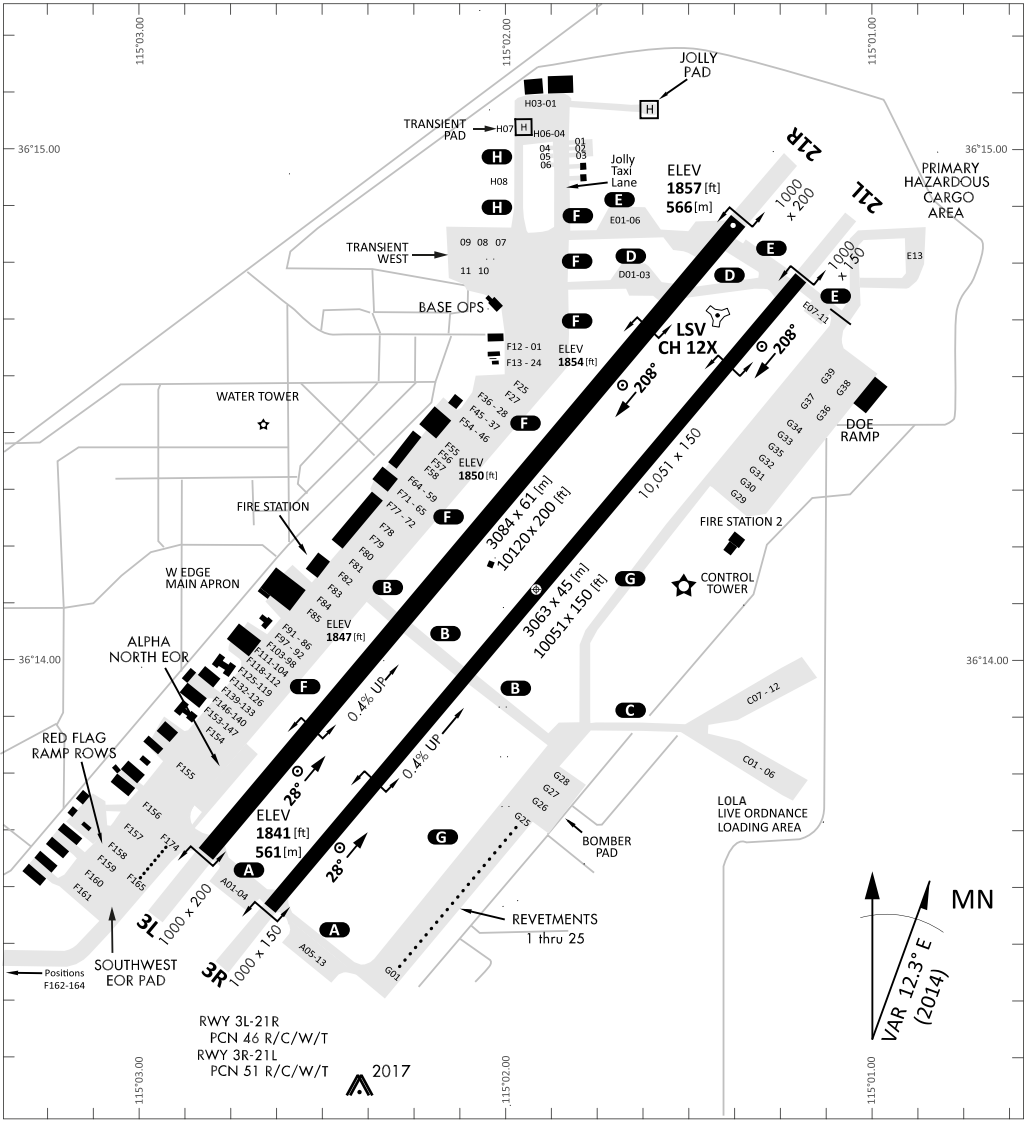
RAMROD									
0	1	2	3	4	5	6	7	8	9
P	A	T	R	O	N	I	Z	E	S

KTC 1400 C									
	0	1	2	3	4	5	6	7	8	9
A	EYSK	ANT	MXI	VQ	CH	UDP	FB	WR	OG	JL
B	SRMN	LCP	QOD	WE	IF	AVU	YT	HK	JB	GX
C	LHUS	DVG	JIO	WF	NA	EBC	QY	TX	KM	PR
D	SWTN	DIK	YFB	GH	PC	JME	UO	VQ	LX	AR
E	BMFC	TQD	HOL	SW	YV	EJN	IX	AR	PG	KU
F	SRBL	UJM	DNC	XV	QK	EOG	WP	HY	IA	FT
G	DKQE	BOJ	FSV	GC	UL	RYT	AI	PM	HW	XN
H	YSLN	OJG	RKU	BP	IF	QMW	HE	DV	XC	TA
I	UNVG	XRO	JHB	TP	LF	EMC	SA	WD	YI	KQ
J	QOPT	LCB	FEK	YR	WD	JMU	IA	SX	VH	NG
K	KFNL	UWE	JPA	DG	HI	RYX	BC	VT	QO	SM
L	KJBF	EQC	UXL	VM	IH	TSP	GN	YA	WO	RD
M	ETWY	KGV	FOL	BJ	QX	IRN	UP	AH	MD	SC
N	NQHD	BMF	TYK	IR	SE	VPU	AL	OW	CX	JG
O	JVXA	ODF	UHE	WB	QG	CKR	LY	PM	SN	TI
P	GDAW	TQX	BEK	PH	SC	FOM	RJ	YV	IN	LU
Q	GMDH	ICJ	XUT	BY	FL	QPR	WS	OV	AK	NE
R	UJHN	OPL	MRW	SB	XE	YKG	TA	FD	QV	IC
S	VNKW	SXP	AIU	EG	OD	HJY	MR	TL	CB	QF
T	SFHT	UYQ	RBL	DP	MI	VXN	WA	JG	KE	CO
U	TKLP	CMY	IQS	AV	GW	EUO	DB	XF	NJ	HR
V	GKJR	PLS	AFW	UO	MN	QCB	HD	YE	VI	TX
W	WYSG	ECU	DMI	NK	XA	PBH	RO	VL	TQ	JF
X	TFBD	AIE	YKM	XU	JO	GHQ	VC	LP	SW	NR
Y	EKDB	OPR	SGC	LN	WI	AJU	VF	HT	QX	MY

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

AERODROME DIAGRAM | VALID 2014

Las Vegas, Nevada **NELLIS AFB (KLSV)**



	RWY	CAT	MINIMA
PAR	21L	A B D E	**2057** - 0.8 200 (200-0.8/1.6) GS 3°
	3R	A B D E	**2057** - 0.8 200 (200-0.8/1.6) GS 3°
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)

ARP
36° 14.060` N
115° 01.058` W

ELEV
1857 [ft]
566 [m]

Scale 1:35`500

0 300 600 900 1200 1500 [m]

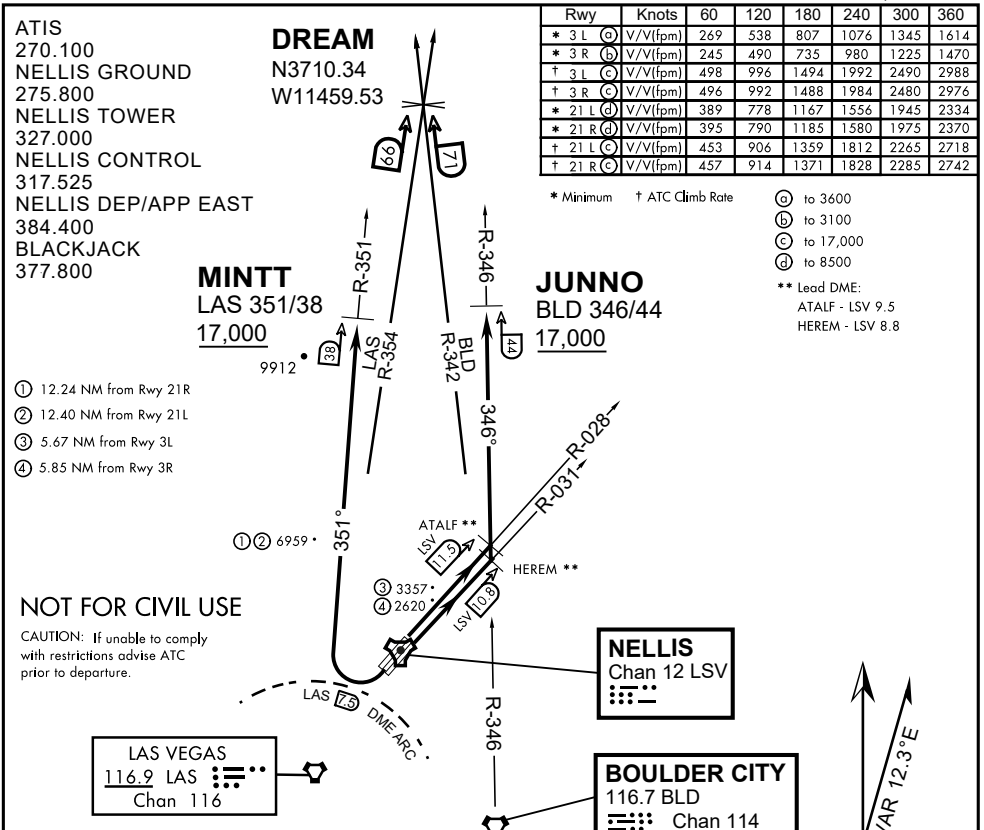
0 1000 2000 3000 4000 5000 [ft]

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

DREAM FOUR DEPARTURE DREAM4 | **VALID 2014**

NELLIS AFB (KLSV)
LAS VEGAS, NEVADA



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

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

vJaBoG32 NTTR NAV CHART

LAS VEGAS, NEVADA

ILS or LOC X RWY 21L

LOC I-DIQ	APCH CRS
109.1	209°

	21L	21R
Rwy ldg	10,051	10,120
TDZE	1865	1869
Arpt Elev	1869	

AL-227 (USAF)

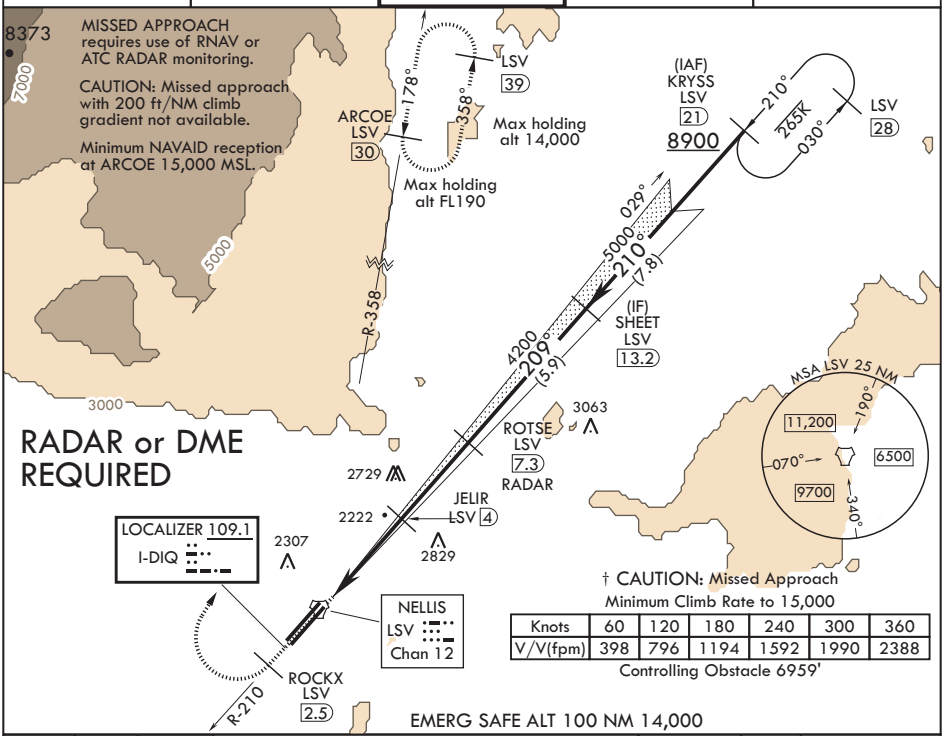
NELLIS AFB (KLSV)

* When ALS inop, increase all CAT RVR to 40, vis to 3/4 mile.
** When ALS inop, increase CAT AB RVR to 55, vis to 1 mile, CAT CDE vis to 1 3/4 miles.
*** Circling not authorized E of Rwy 3R-21L.

Rwy 21L 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 TACAN R-358 to ARCOE and hold, continue climb in hold to 15,000. Missed approach not for civil use.

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

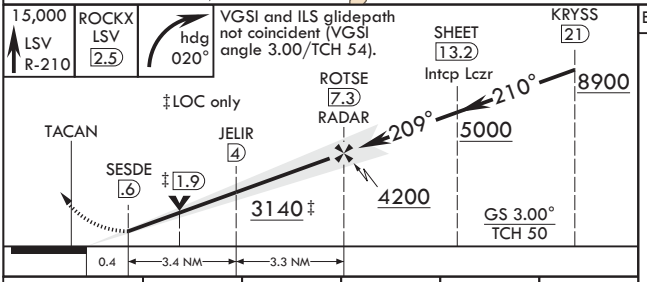


SW-4, 05 DEC 2019 to 02 JAN 2020

SW-4, 05 DEC 2019 to 02 JAN 2020

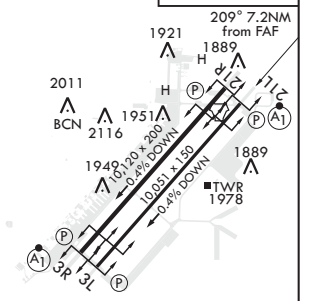
15,000 LSV R-210 | ROCKX LSV 2.5 | hdg 020°

VGSI and ILS glidepath not coincident (VGSI angle 3.00/TCH 54).



ELEV 1869

TDZE 21L 1865
TDZE 21R 1869



CATEGORY	A	B	C	D	E
S-ILS 21L*	2065/24		200	(200-½)	
S-LOC 21L**	2480/24 615 (700-½)		2480-1⅜	615	(700-1⅜)
SIDESTEP21R	2500-1 631 (700-1)		2500-1¾	631	(700-1¾)
C CIRCLING***	2480-1 611 (700-1)	2620-1 751 (800-1)	2620-2¼ 751 (800-2¼)	2840-3 971 (1000-3)	3040-3 1171 (1200-3)

FAF to MAP 6.7 NM					
Knots	60	90	120	150	180
Min:Sec	6:42	4:28	3:21	2:41	2:14