

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
2140/2023		Cougar 1		Training		112000SEP23	
Task	AAR Training						Freq
AO							261.25
Departure				Recovery			
DREAM FOUR				MINTT			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Cougar 1-1	Striver/Uta		1111	21Y	1561	
-2	Cougar 1-2	Tank		1112	84Y	1562	
-4	Cougar 1-4	Razorback		1114	21X	1564	

LOADOUT			
A/A			
A/G			
POD			
TKS			

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	22588				

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	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1

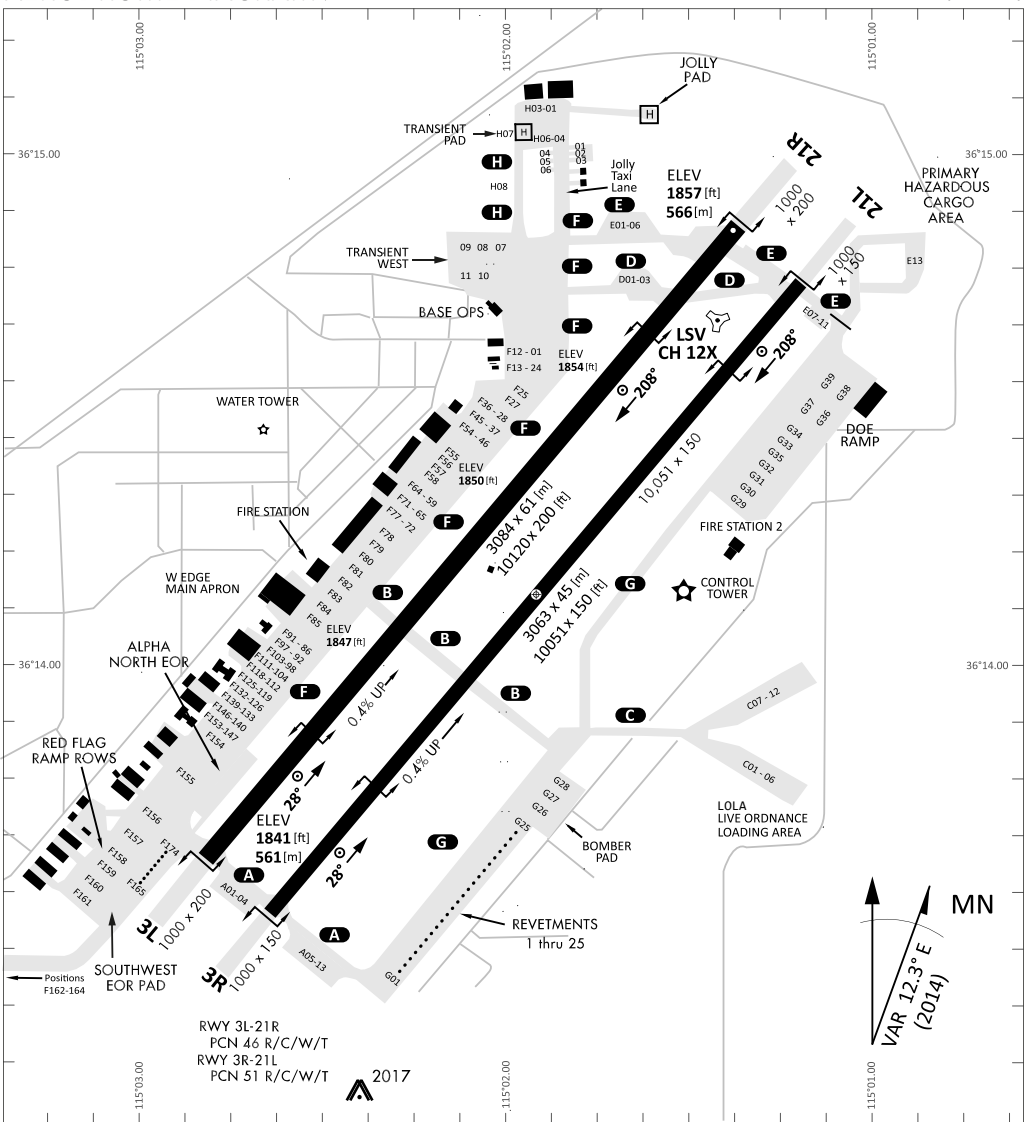
SUPPORT				
Tanker				
Callsign	TCN	Freq	ALT	TAS
TEXACO 2	95Y	289.7	FL220	420
	Pos	Pegasus.1: CDC 166/102 (N3730 W11440)		

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Raptor 1	Training	4x F-16C	134.0	21/84		156X
	AO	R61	Task	Mav + TGP		
Tiger 2	Training	4x F/A-18C	263.45	11/74		155X
	AO	Reveille North	Task	Training		
Tiger 5	Training	4x F/A-18C	265.45	11/74		155X
	AO	Reveille North	Task	Training		
Tiger 7	Training	4x F/A-18C	265.45	11/74		155X
	AO	Reveille North	Task	Training		
Monster 1	Training	4x A-10C	132.15	25/88	21	161X
	AO	Range 64	Task	Lasertraining		
T-Rex 2	Training	4x A-10C	132.25	27/90	25	165X
	AO	Range 64	Task	Lasertraining		
Edelweiss 6	Training	1x A-10C	134.65	21/84	40	166X
	AO		Task	BJT		
Rattler 3	Training	4x AH-64D	133.5	21/84		125X
	AO	LATNC	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	
D	E	B	A	U	C	H	I	N	G	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	CNBT	SEJ	OVG	UD	RX	MAP	LQ	FH	KY	IW
B	FMNA	EPS	CQX	UY	LJ	IHG	WO	DT	VB	RK
C	QTIC	KLE	VJA	RB	ON	YFX	DW	PG	HU	SM
D	JAPR	UQM	WKB	YL	EN	FSV	TO	DC	GI	XH
E	JQMX	FCE	BVD	OT	RH	ILN	AU	YW	KG	SP
F	JWMU	EAK	CPF	RO	SG	LVN	BQ	HT	IY	DX
G	WQNP	CKS	BTf	OU	VH	LRM	JE	GD	AY	IX
H	SRKT	IDJ	YQL	WP	FV	MOU	BE	GH	XN	CA
I	WPUS	QHR	NVL	BX	IK	EFD	TO	CA	YM	GJ
J	IVCY	KSO	WJM	AQ	NX	BTG	EH	RU	PL	FD
K	WQXI	LPO	MDG	EF	VH	NAY	RS	BK	JU	CT
L	MWJL	EHA	XGO	RN	FT	VCK	QP	SI	BU	YD
M	PRKX	UBG	WDL	JH	IC	MQT	SE	YF	OV	AN
N	DYQS	FPH	UCI	GT	WE	LNJ	AM	VX	KB	RO
O	GKSA	WPL	CJI	TE	QM	XNB	FR	DV	HY	UO
P	CRDA	OVF	LYB	WM	NE	UQK	TH	PX	IJ	SG
Q	RWMS	NCP	TKE	JF	LG	AVU	BO	HX	QI	YD
R	TSBI	OKM	XYW	QD	NP	JGL	EC	HR	AU	FV
S	ICVO	GJR	XFT	PW	SB	KLH	NA	DM	UQ	YE
T	NMKX	RST	CYV	IJ	WA	EQF	DL	UG	OB	PH
U	WNDG	CAS	RFL	IV	TQ	KHU	PB	YX	EM	JO
V	SYVO	MFR	CPQ	NA	JW	KHL	TE	DB	UG	XI
W	HNJI	AYO	UDV	TE	FG	PSC	QK	XM	LW	BR
X	KBUS	NPF	EXC	RM	GV	WDI	AY	JL	OH	QT
Y	EPHL	WAV	SNR	TG	UD	JKM	XO	IC	BQ	FY

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 - Q.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

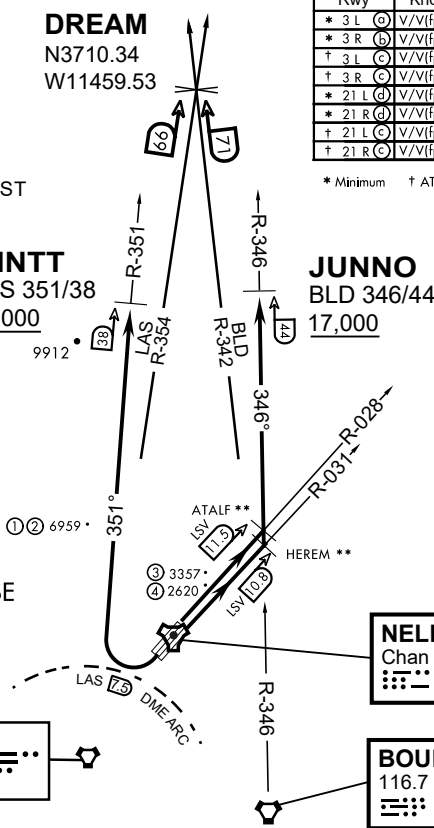
- (a) to 3600
(b) to 3100
(c) to 17,000
(d) to 8500
- ** Lead DME:
ATALF - LSV 9.5
HEREM - LSV 8.8

- 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.

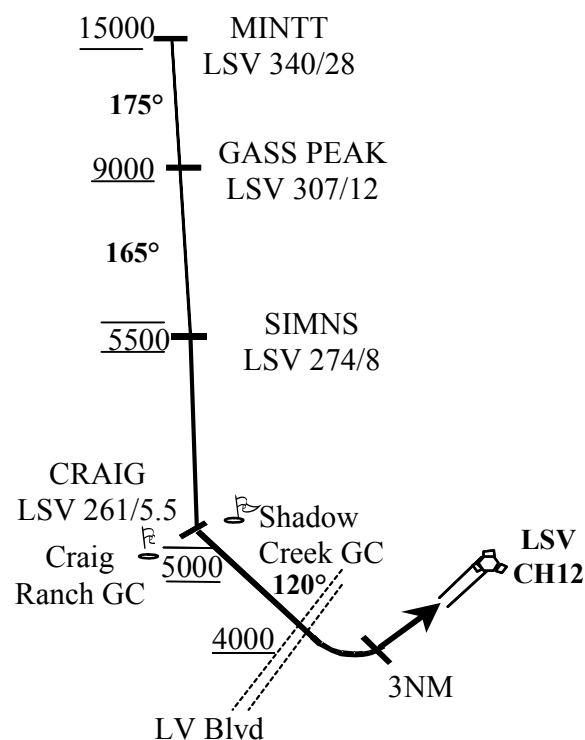
TAKE-OFF RWY 21L/R

- 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

**CONTENT OF THIS PUBLICATION HAS BEEN APPROVED
BY
99 ABW/CC**

FIGURE 4.10. MINTT RECOVERY (NOT FOR USE IN IMC).
FOR USE UNDER VMC ONLY
PILOT IS RESPONSIBLE FOR TERRAIN/OBSTACLE AVOIDANCE

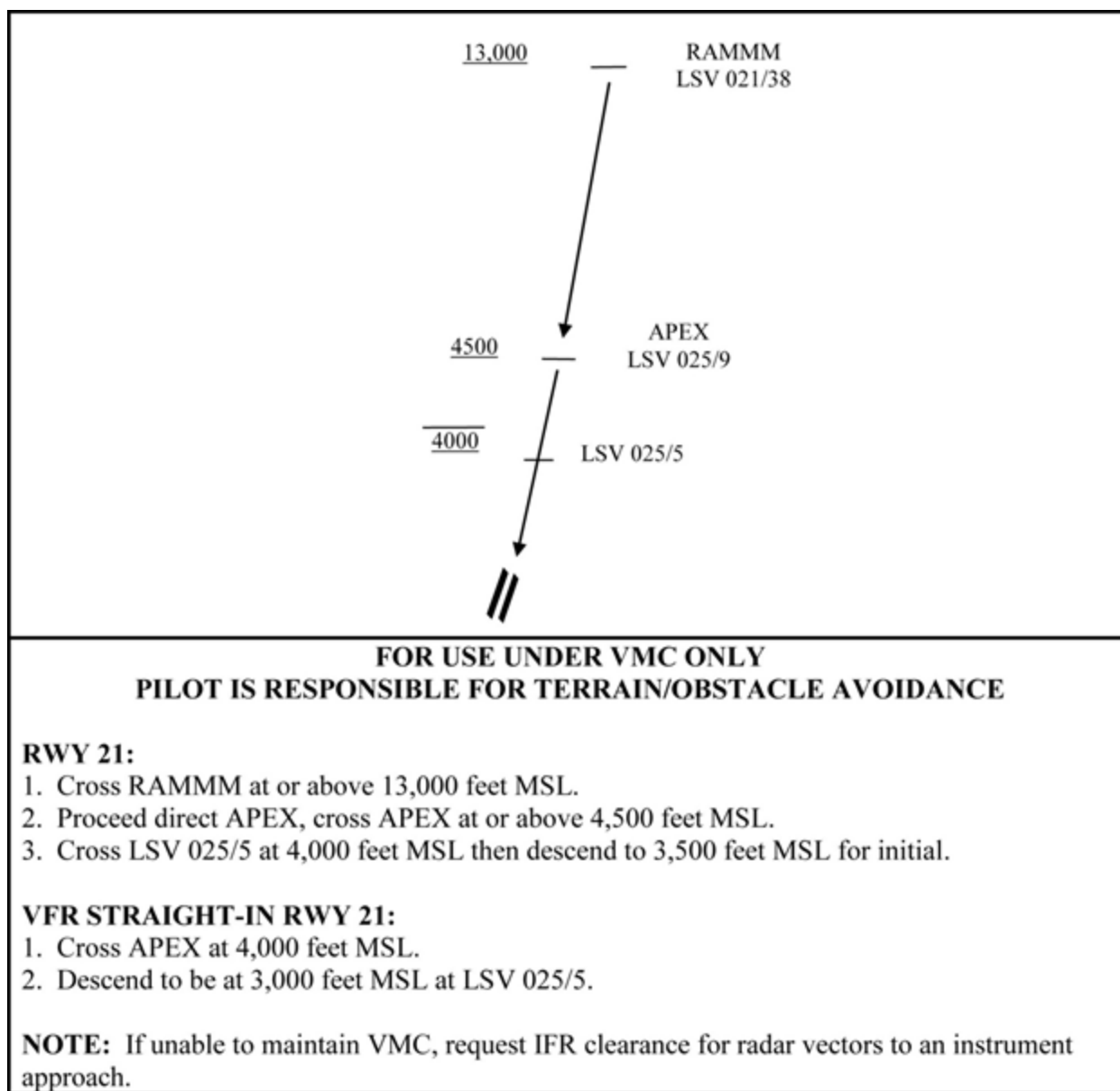


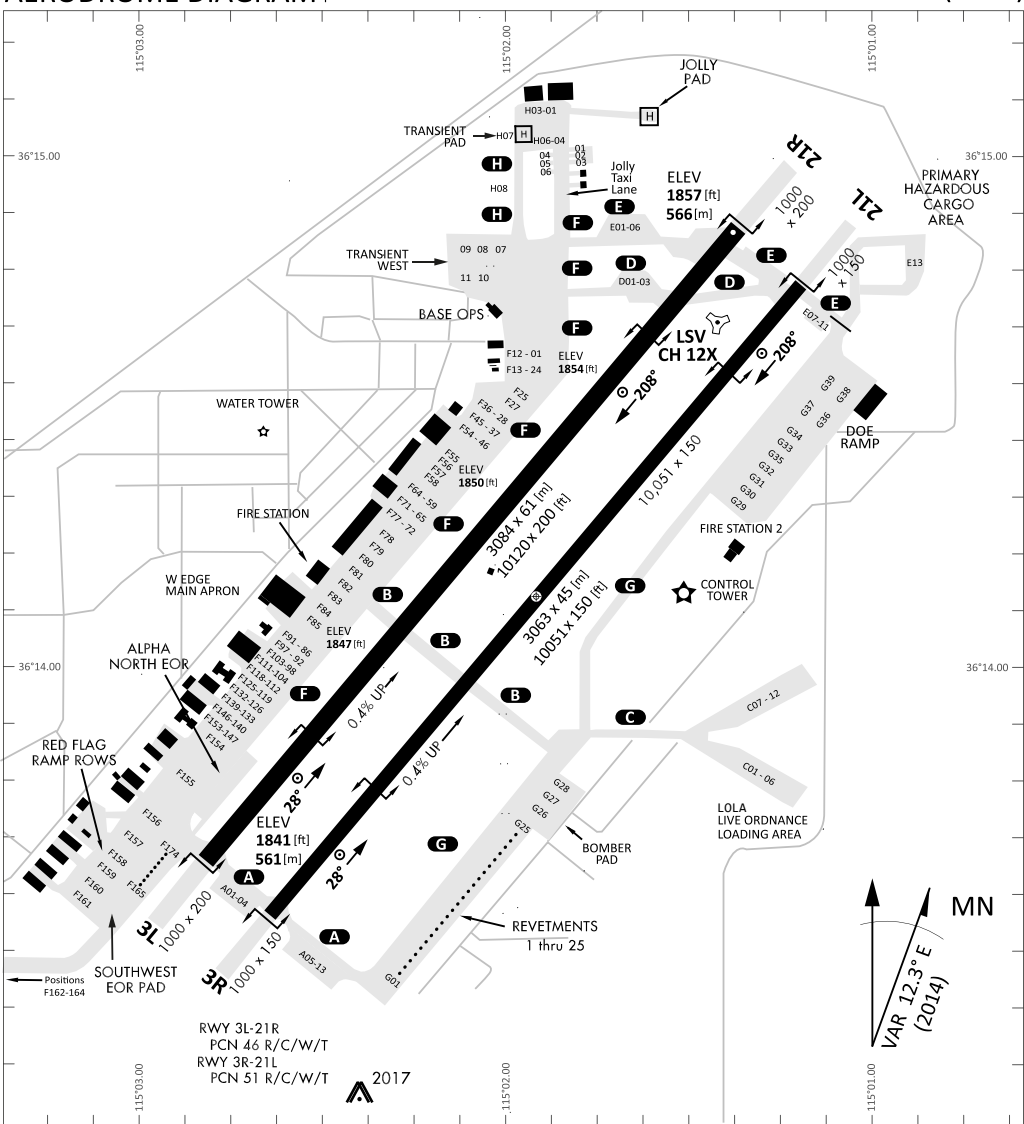
OVERHEAD:

- Cross MINTT at or above 15,000 feet MSL, direct GASS PEAK
- Cross GASS PEAK at or above 9,000 feet MSL
- Cross SIMNS at 5,500 feet MSL
- Cross CRAIG at 5,000 feet MSL; Report CRAIG to Tower
- Cross Las Vegas Blvd at or above 4,000 feet MSL, then to 3,500 feet MSL for initial
- Remain within 4 DME of LSV on turn to initial

VFR STRAIGHT-IN:

- Depart CRAIG and descend to be at 3,000 feet MSL by Las Vegas Blvd
- Do not descend below 3,000 feet MSL until within 5 DME of LSV or 4 NM of the runway, remain within 4 DME of LSV on turn to final

Figure A23.5. RAMMM Recovery (Not For Use In IMC).



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	RWY	CAT	MINIMA	ASDA	LDA	PSN THR	ALS
	21R	A C D E	2257 - 1.2 350 (350-1.2/1.6)	11051 [ft] 3368 [m]	10051 [ft] 3063 [m]	36°14.043°N 115°01.018°W	⊕
	3L	A C D E	2257 - 1.2 350 (350-1.2/1.6)	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