

MISSION DATA CARD								
OPORD		Callsign		Mission		Date/Time		
1911/2023		Vanguard 1		Training		182015MAY23		
Task						Freq		
AO	ALAMO A-C					264.55		
Departure				Recovery				
DREAM FOUR				TIMBR				
#	Callsign		Pilot		IFF	TCN	LSR	NET
-1	Vanguard 1-1		Herby		3311	21Y	1561	

LOADOUT			
A/A	2xA9M		GUN 100% none
A/G	4xM82, 4xM82A		CHF 60
POD	GAU12, 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		
2	JUNNO	BLD 346/44 (N36 43 48 W114 52 46)		
3	DREAM	LAS 354/66 BLD 342/71 (N37 10 20 W114 59 32)		
4	ALAMO	N37 17 34 W115 07 44		
5	ALAMO A	N37 08 30 W115 12 33		
6	ALAMO B	N36 55 30 W115 12 33		
7	ALAMO C	N36 47 24 W115 12 57		
8	TIMBR	LSV 011/33 (N36 45 W114 44 35)		
9	GASS PEAK	LSV 309/12 (N36 24 08 W115 10 40)		

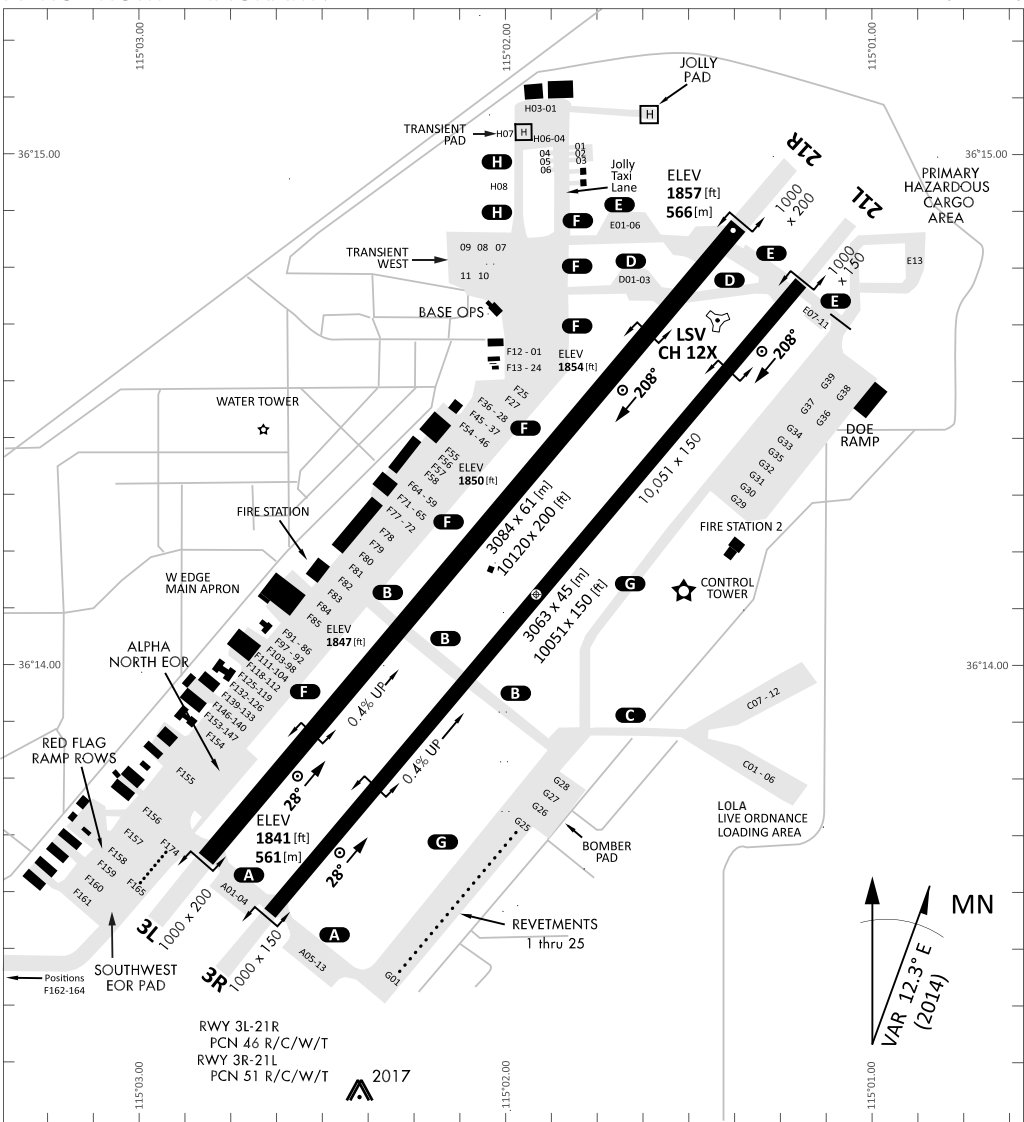
SUPPORT					
Tanker					
Callsign		TCN	Freq	ALT	TAS
ARCO 1		113Y	319.8	FL250	450
	Pos	AR-625: MVA 168/77 (N3717 W11802)			
SHELL 2		115Y	360.8	FL250	430
	Pos	AR-635: MLF 260/127 (N3831 W11542)			
AWACS					
Callsign	Freq	ALT	Pos		
MAGIC	377.8	FL270	N3749 W11417 - N3713 W11446		

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Raptor 1	Training	4x F-16C	134.0	21/84		156X
	AO	Range 61	Task	Bomb Training - Two Ship		

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	L	A	I	N	E	D	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	VYOU	QLG	SJX	FR	HN	MPA	CW	TE	BK	ID
B	DAJN	XBU	GHS	WE	KY	VLR	OI	TC	FP	MQ
C	XKWM	OFG	LIS	RC	NY	UPE	TB	VJ	AD	QH
D	PDXS	LTE	HWG	YI	NO	QMB	KJ	UV	RC	AF
E	TACS	JFI	ERD	KB	NM	LXP	HY	QO	WV	UG
F	LNUC	WVE	OTM	PH	AS	GRY	DI	XJ	QB	KF
G	ODWX	NTK	EMI	SB	LV	ARH	FG	PY	JQ	CU
H	CVYP	TWR	AEO	LN	BF	USI	JH	DM	KQ	GX
I	KTBY	UFL	HQS	RD	VG	OJE	XN	IC	MA	PW
J	REFQ	XLY	CBI	UW	OJ	MAP	TK	VN	DG	HS
K	HAUN	EWI	QGP	VJ	LS	BRT	XM	KC	DO	FY
L	AWDX	STY	VHM	CP	GF	UIL	BQ	RN	OE	JK
M	INTU	WBK	HRY	AO	VC	SJQ	EG	LM	DX	FP
N	USXA	KGN	JFB	IO	RH	MQD	YC	WV	PE	LT
O	PKYM	LVF	UGT	NE	IA	BWR	HD	CS	XO	JQ
P	GCBQ	XNU	OKI	MY	VR	ATL	PJ	FS	WD	EH
Q	VUHW	MBT	XSJ	IF	AE	GND	CR	KO	LY	QP
R	WTYL	GIM	JDN	UC	HV	OFS	BQ	PK	XE	RA
S	PQBJ	WUL	CRF	VX	MN	OEI	TA	KS	DG	YH
T	SVNC	PUE	HBI	JT	KO	QLR	FA	MW	YG	DX
U	FRXI	ALC	DBM	VW	ET	GPK	YO	HU	QN	SJ
V	YMIS	VFL	CQA	HO	XK	BNG	DJ	PE	UT	RW
W	NSID	MTY	BHR	QU	EJ	CWF	XA	LP	VO	KG
X	RYQK	MNB	GSE	AC	TV	JFU	DO	PW	LX	IH
Y	OCPB	IXS	KWJ	QH	DN	ELF	YA	VR	MT	GU

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



	RWY	CAT	MINIMA	ARP 36° 14.060' N 115° 01.058' W	ELEV	Scale 1:35'500	
PAR	21L 3R	A B D E A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3° 2057 - 0.8 200 (200-0.8/1.6) GS 3°		1857 [ft]	030060090012001500 [m] 010002000300040005000 [ft]	
SRA	21R 3L	A C D E A C D E	2257 - 1.2 350 (350-1.2/1.6) 2257 - 1.2 350 (350-1.2/1.6)		566 [m]		

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 (G)	V/V(fpm)	269	538	807	1076	1345	1614
* 3 R (G)	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 (G)	V/V(fpm)	389	778	1167	1556	1945	2334
* 21 R (G)	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

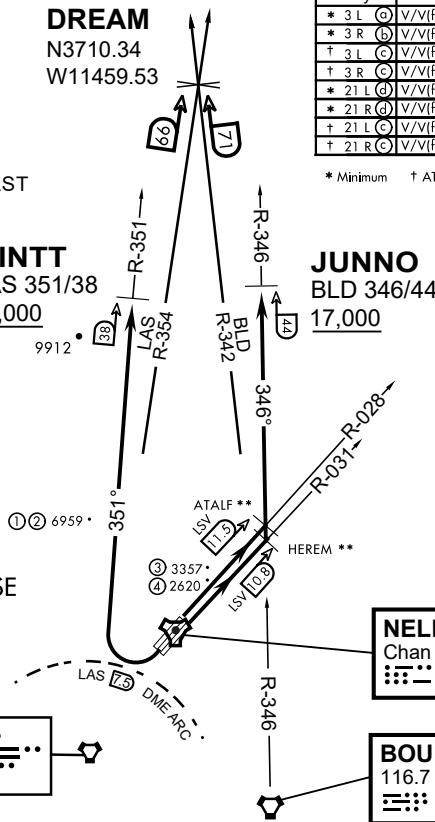
- (G) to 3600
(B) to 3100
(C) to 17,000
(G) to 8500
- ** Lead DME:
ATALF - LSV 9.5
HEREM - LSV 8.8

- 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

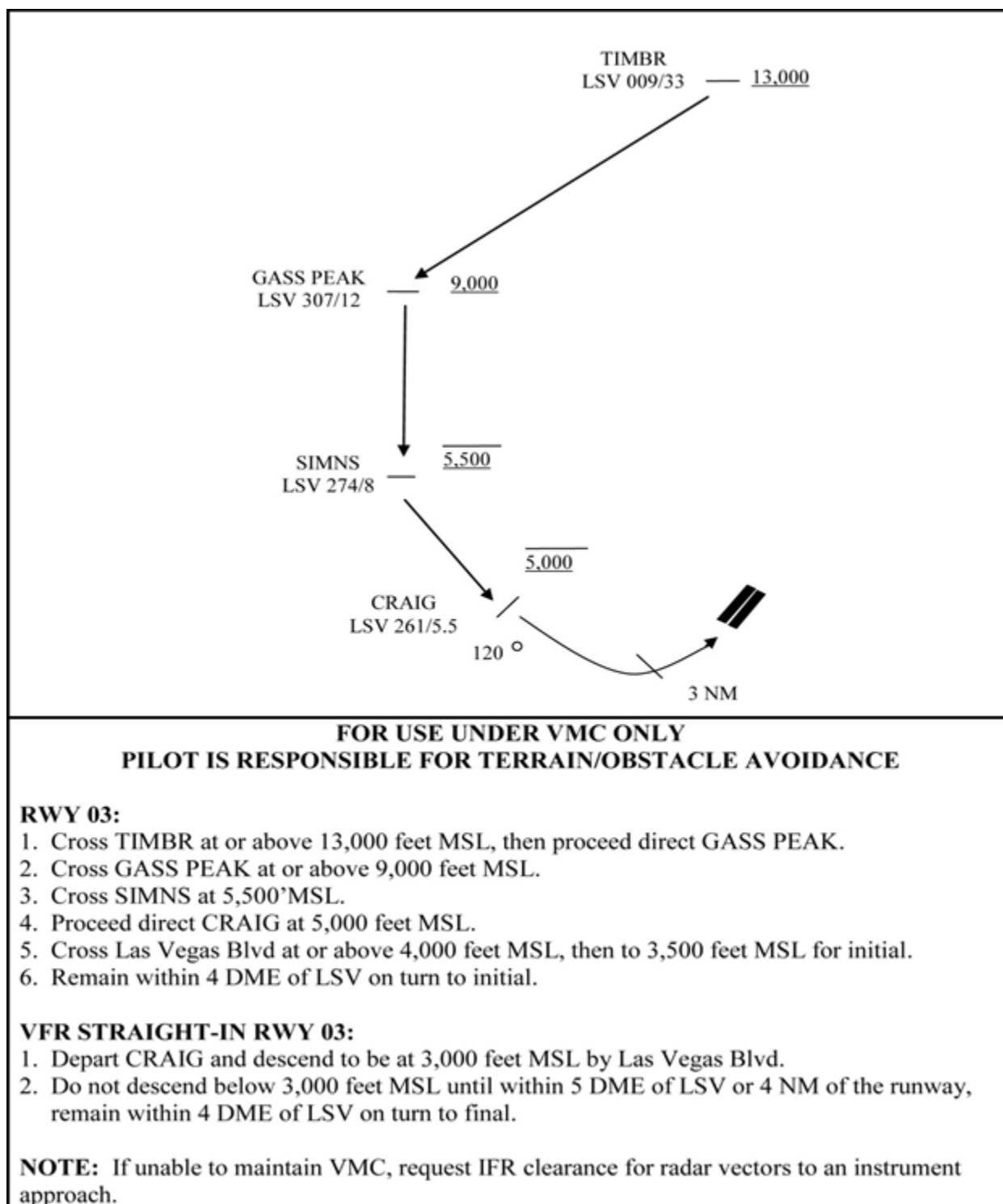
- Fly runway heading to intercept the LSV TACAN R-031 then direct HEREM, intercept the BLD VORTAC R-346 then direct JUNNO, cross JUNNO at or above 17,000, then via assigned route.

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

Figure A23.4. TIMBR Recovery (Not For Use In IMC).





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 direct KSV TACAN

114

NELLIS CON

CREECH AFB TOWER
118.30 660.60

GND CON

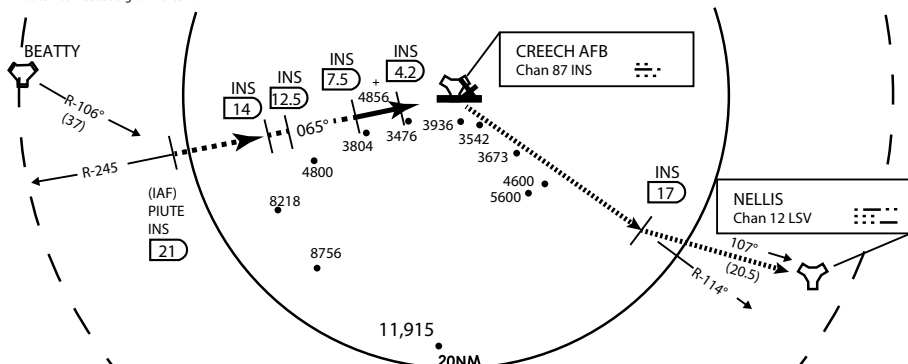
NOT FOR CIVIL USE

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



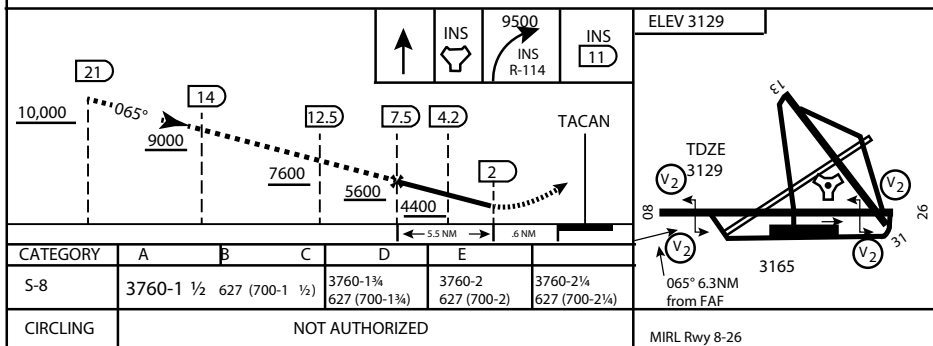
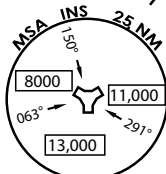
* CAUTION: Missed Approach Climb Rate to 4,700

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



