

**MISSION DATA CARD**

OPORD		Callsign		Mission		Date/Time	
3205/2024		Raptor 1		Training		160000SEP24	
Task							Freq
AO							134.0
Departure				Recovery			
DREAM FOUR				HI-ILS or LOC/DME Z RWY 21L			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Raptor 1-1	Hercules		1611	1Y	1621	

**LOADOUT**

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

**TOLD**

	Takeoff	Target	Joker	Bingo	Land
FUEL	7163				

**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	DREAM	LAS 354/66 BLD 342/71 (N37 10.340 W114 59.530)	25000	

## NOTES

Departure Dream 4 nach Dream

Leg 1: DREAM Direct ILC (110X)

Leg 2: ILC (110X) Radial 243 / TQQ (77X) Radial 062

Leg 3: TQQ (77X) Radial 166 / BTY (94X) Radial 346

Leg 4: BTY (94X) Radial 091 / INS (87X) Radial 271

Leg 5: INS Radial 055 30DME -> Right Turn ARCOE

Recover via HI-ILS or LOC/DME Z RWY 21L

Cruise speed 350 IAS at 25.000, 2 Minutes Separation

**OTHER FLIGHTS**

Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Edelweiss 2	Training	1x F/A-18C	264.25	1/64		172X
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**

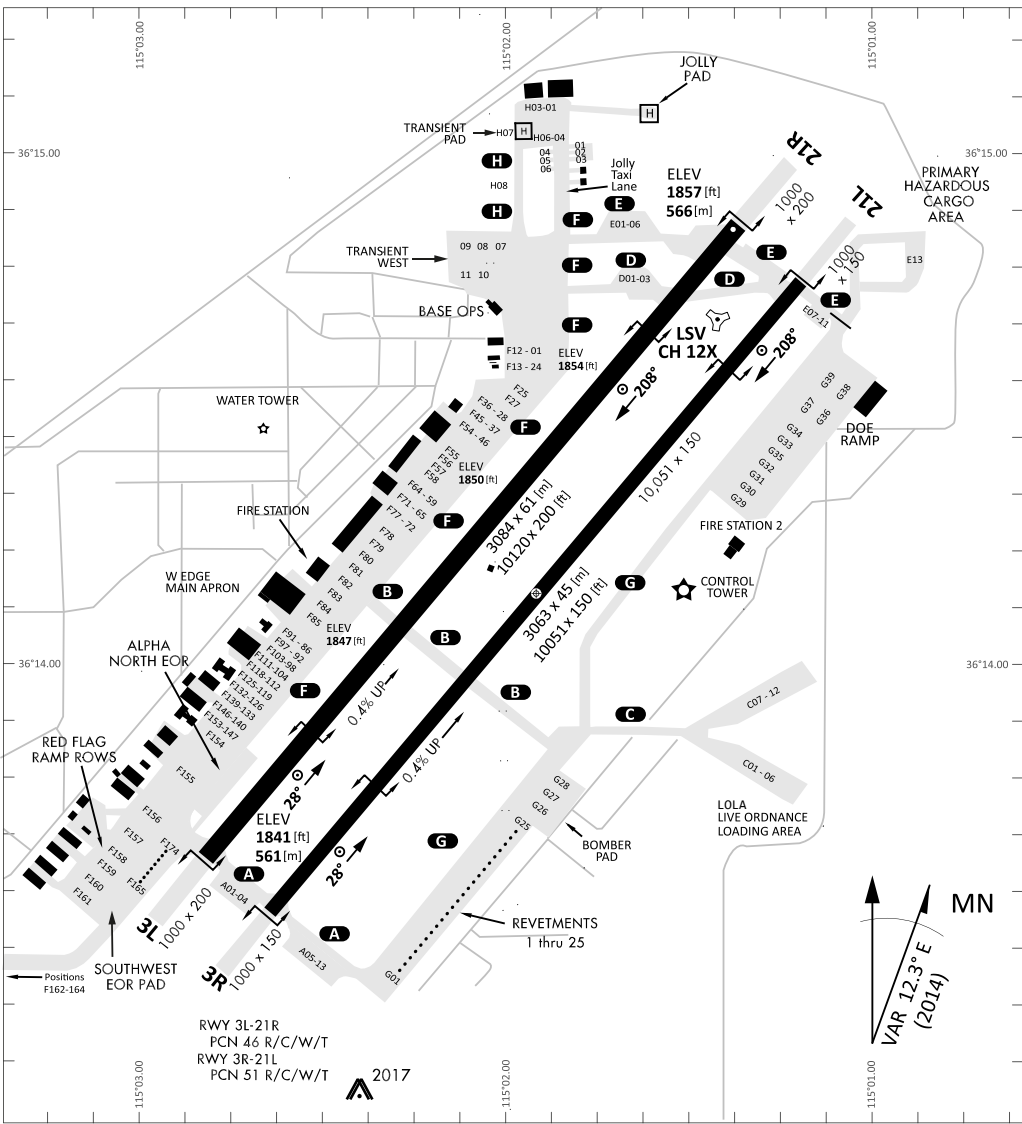
0	1	2	3	4	5	6	7	8	9
C	H	I	V	A	L	R	O	U	S

**KTC 1400 C**

	0	1	2	3	4	5	6	7	8	9
A	FEMH	OTL	ABN	CG	WD	JXR	QI	VY	KP	SU
B	QABN	IPY	FMU	KR	XO	HEV	CD	TG	LS	JW
C	NSQX	YLD	TFW	UH	EG	BRO	PM	CV	AJ	IK
D	VEML	UBK	SQH	GP	CR	XWI	FN	YJ	AT	OD
E	WRYA	IBM	SCD	GF	JH	OPV	TL	NE	UX	QK
F	YDRH	PNI	CJF	SE	QT	BVX	OU	WM	AL	GK
G	UCDF	TVJ	OQK	RI	GW	YLS	PB	MN	XA	HE
H	WOMY	UIJ	FSA	DH	QP	VLR	BT	KX	EG	CN
I	GTML	BEN	SFW	RC	AJ	VDX	HQ	UP	OI	YK
J	JLHI	RGK	SBF	OC	ED	XNM	PY	WV	QT	UA
K	KEUD	VAH	SLF	WP	XC	TNB	RG	IM	YQ	JO
L	QTAM	VUN	HRX	SB	LD	FJK	WE	PI	CO	YG
M	TWAE	UOC	GJV	LR	QX	PFN	BI	KM	DY	SH
N	CNTV	FJY	OHR	GD	WQ	KUE	LM	PX	IB	SA
O	KSQP	EDA	VFH	YR	CI	WBX	NO	LG	MJ	TU
P	NHVD	QGP	WFE	OB	JU	XLT	SA	MR	IK	CY
Q	STYJ	CWE	NUX	BM	VK	PRL	FH	AI	GD	QO
R	KICH	FSU	EPR	AD	XO	TBQ	GJ	NM	WY	LV
S	WCUG	POY	VTE	JH	SK	IMA	XD	NR	BL	QF
T	EOCW	JSY	UXT	BV	RN	MHK	IG	AD	FL	QP
U	VRQY	TGH	XNJ	OC	ML	SAD	UF	WP	KE	IB
V	EMBL	XND	VWP	AT	KS	QJF	RC	OY	IG	UH
W	DTMI	HOP	QWX	RU	LS	BAN	EG	JF	VK	CY
X	MWVA	JYX	UPT	BQ	IS	NRE	CF	HD	GK	OL
Y	SGDU	PFA	CQM	OL	YR	VTJ	IX	HN	KE	BW

**NAVAIDS**

<b>Id</b>	<b>Name</b>	<b>Channel</b>	<b>Position</b>	<b>Elevation</b>
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 3L-21R  
 PCN 46 R/C/W/T  
 RWY 3R-21L  
 PCN 51 R/C/W/T  
 2017

PAR	RWY	CAT	MINIMA	ARP	ELEV	Scale
	21L	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°	36° 14.060° N 115° 01.058° W	1857 [ft] 566 [m]	0 300 600 900 1200 1500 [m] 0 1000 2000 3000 4000 5000 [ft]
	3R	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°			
	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



# DREAM FOUR DEPARTURE DREAM4 | VALID 2014 LAS VEGAS, NEVADA

**NELLIS AFB (KLSV)**  
LAS VEGAS, NEVADA

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

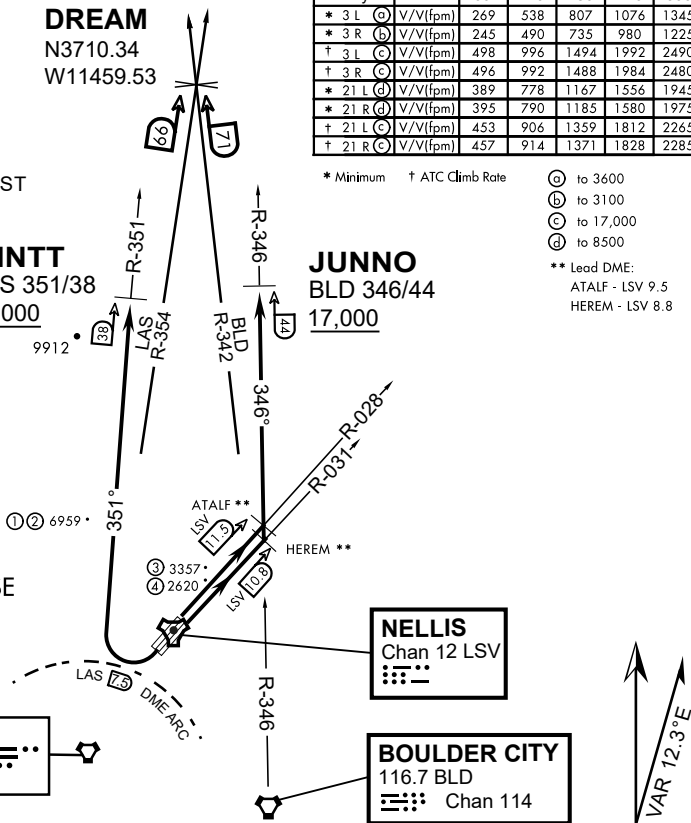
**MINTT**  
LAS 351/38  
17,000

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

**DREAM FOUR DEPARTURE (DREAM4 • DREAM)**

LAS VEGAS, NEVADA

# HI-ILS or LOC Z RWY 21L

LOC I-DIQ <b>109.1</b>	APCH CRS <b>209°</b>	Rwy ldg	21L	21R
		TDZE	<b>10,051</b>	<b>10,120</b>
		Arpt Elev	<b>1865</b>	<b>1869</b>

JAL-227 (USAF)

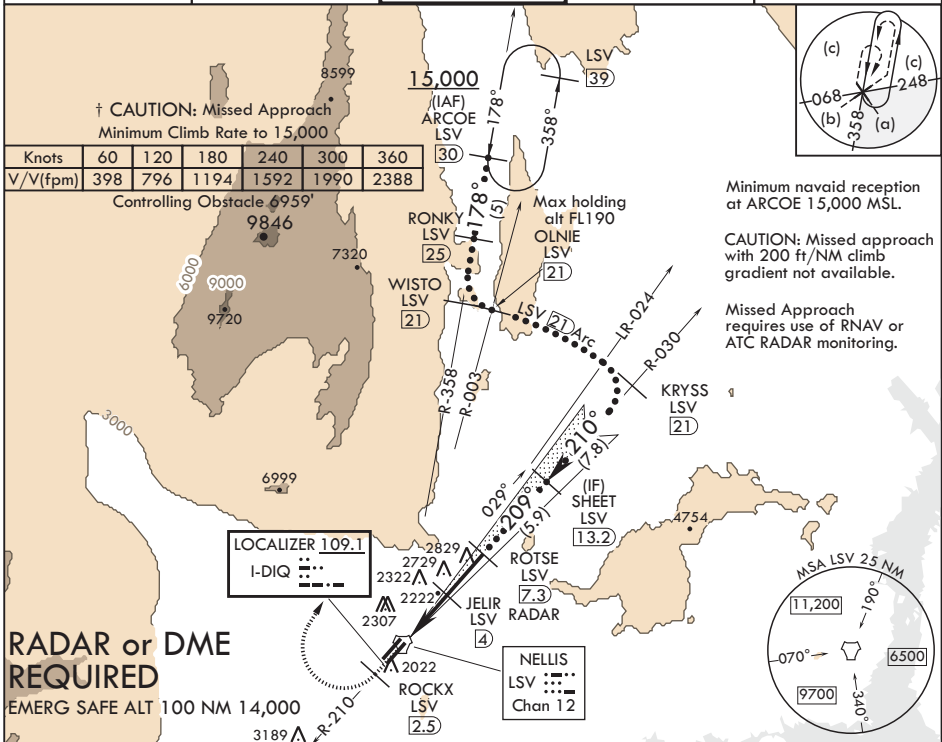
NELLIS AFB (KLSV)

⚠ \* 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.



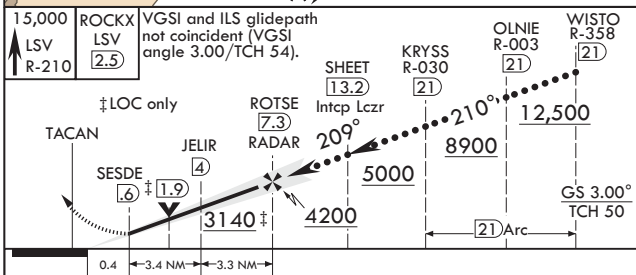
† MISSED APPROACH: Climb to 15,000, intercept LSV TACAN R-210 to 2.5 DME (ROCKX), then climbing right turn heading 020° to join LSV R-358 to ARCOE and hold, continue climb-in-hold to 15,000. Missed approach not for civil use.

ATIS <b>270.1</b>	APP CON <b>124.95 273.55</b>	TOWER <b>132.55 327.0</b>	GND CON <b>121.8 275.8</b>	CLNC DEL <b>120.9 289.4</b>
----------------------	---------------------------------	------------------------------	-------------------------------	--------------------------------

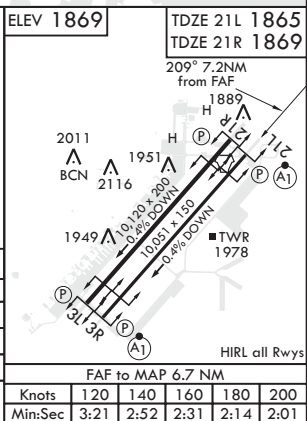


**RADAR or DME REQUIRED**

EMERG SAFE ALT 100 NM 14,000



CATEGORY	C	D	E
S-ILS 21L*	2065/24	200	(200-1/2)
S-LOC 21L**	2480-1 3/8	615	(700-1 3/8)
SIDESTEP 21R	2500-1 3/4	631	(700-1 3/4)
Ⓢ CIRCLING***	2620-2 1/4 751 (800-2 1/4)	2840-3 971 (1000-3)	3040-3 1171 (1200-3)



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 3133	9002 3113
		Arpt Elev 3113	

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 60.60

GND CON

**NOT FOR CIVIL USE**

FOR USE UNDER BASIC VFR  
WEATHER MINIMUMS ONLY

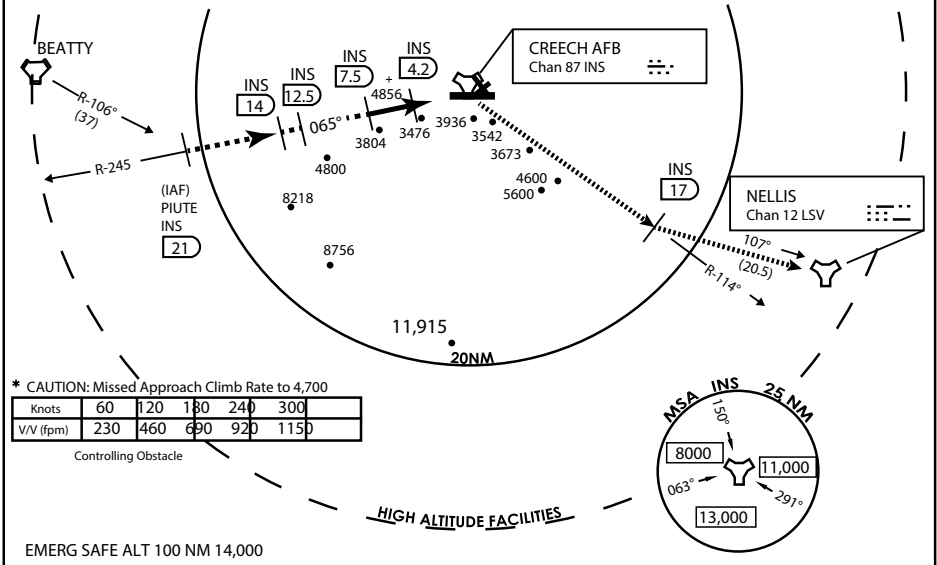
PILOT IS RESPONSIBLE FOR TERRAIN/OBSTACLE AVOIDANCE AND APPROPRIATE VFR CLOUD CLEARANCE FOR ALL

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

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

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



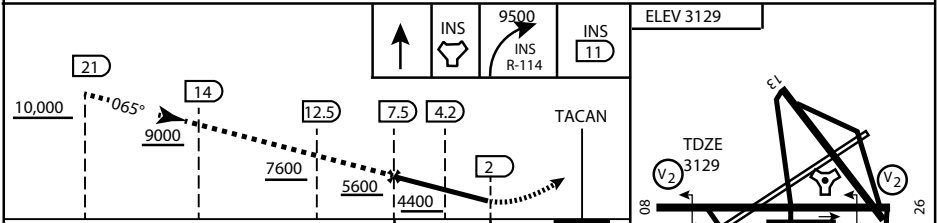
\* CAUTION: Missed Approach Climb Rate to 4,700

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



CATEGORY	A	B	C	D	E
S-8	3760-1 1/2	627 (700-1 1/2)	3760-1 3/4 627 (700-1 3/4)	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)



