

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
1986/2023		Raptor 2		Training		182000JUN23	
Task						Freq	
AO						261.25	
Departure				Recovery			
FYTTR LOW				ILS or LOC/DME X RWY 21L			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Raptor 2-1	Butcher		1621	21Y	1561	01/01

LOADOUT			
A/A	2xA9L	GUN	100% HEI-T
A/G		CHF	120
POD	A131	FLR	0
TKS	2xFT300	FUEL	100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	11169				

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	FYTTR	N36 21.470 W115 41.550	12000	
2	STRYK	LSV 282/26 (N36 25.620 W115 30.700)	11000	

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

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	F	I	T	A	B	L	E	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	VYEL	HNU	DOX	RG	MT	AKC	PS	JI	QW	BF
B	ONAJ	GSE	FMH	DT	XQ	UYV	KP	WR	BI	CL
C	EJHT	PGD	URL	WV	MA	NQF	IO	XK	BC	YS
D	LMRE	DNV	SAQ	JU	TC	WKY	XP	OG	IB	HF
E	BAQD	HSM	RPX	WL	TK	UNI	VG	CO	JE	FY
F	RPLF	XCB	JMN	EG	YH	ODU	TK	VW	SA	IQ
G	BXIN	LMP	SJU	OT	VA	RHY	WG	CQ	KD	EF
H	CAUJ	FVL	DSP	HM	RT	YIG	NK	QB	EW	OX
I	JFQA	WMU	DOE	YK	TH	BLG	SX	IP	VR	NC
J	BUMN	TEV	IGJ	QY	LH	SFK	XW	DA	OC	RP
K	ELUI	XJQ	GHB	MR	YK	VSF	NO	PW	DC	AT
L	EFRM	XWB	LOK	TY	SV	CIU	AN	JH	PQ	DG
M	XKTG	CLS	JEQ	ID	OU	BHV	MA	PW	RY	FN
N	IWOC	XBV	YFA	KS	PU	LEG	NH	RJ	MT	QD
O	FEBO	UTS	ARX	WP	CY	HLQ	KI	VN	MG	JD
P	CHDB	MTP	GEN	UA	VR	WSO	QF	KY	JL	IX
Q	NYMA	IDJ	UFX	LH	SW	COQ	TR	BG	KV	PE
R	FCMX	JUT	OVH	LS	WR	DNB	GQ	PI	YE	KA
S	AKBY	LSM	RXF	PW	ID	GNH	UE	JV	CT	QO
T	BIQS	VJX	PUN	TD	OK	MHW	LC	YG	RF	EA
U	MPIK	SEC	WAQ	JV	OY	LFG	BH	UN	DT	RX
V	WJMA	CHF	VXT	QB	DK	USE	GN	IP	YL	RO
W	DKBC	OLX	SPT	GQ	NJ	IRE	WF	VU	MH	YA
X	NOPU	CGQ	JWS	MY	FR	EXI	HT	KB	VD	LA
Y	HRUM	TSB	OVF	WK	XE	QPC	LI	NJ	AD	GY

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 1857 [ft] 566 [m]	Scale 1:35'500						
PAR	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

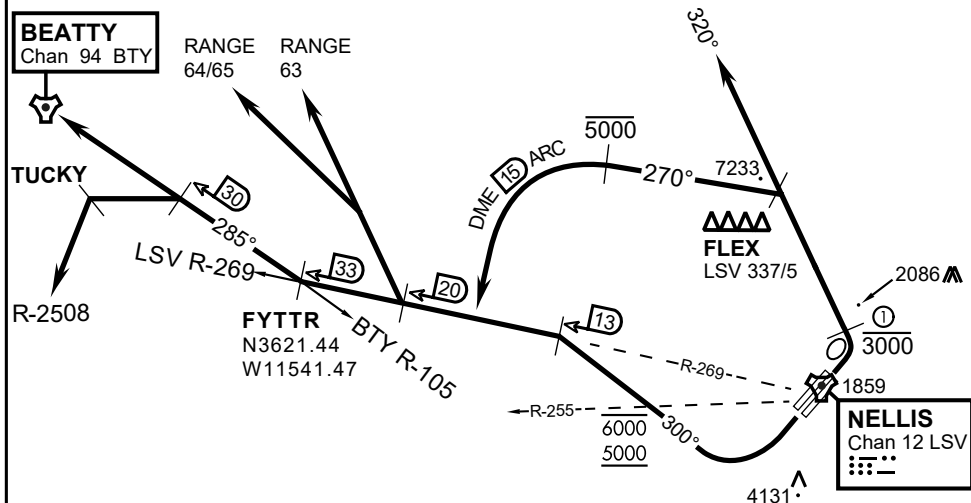
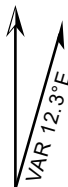
ATIS
 270.100
 NELLIS GROUND
 275.800
 NELLIS TOWER
 327.000
 NELLIS CONTROL
 317.525
 NELLIS DEP/APP EAST
 384.400
 BLACKJACK
 377.800

CAUTION: If unable to comply
with restrictions advise ATC
prior to departure.

VMC ONLY

PILOT RESPONSIBLE FOR TERRAIN AVOIDANCE

① 4 NM from RWY 3L/R



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R:

- Remain below 3,000' MSL until north of Race Track and turned westbound.
- Turn left within 4NM of Nellis direct FLEX. Fly north of FLEX and turn left heading 270°.
- Intercept LSV 15 DME ARC at or below 5,000' MSL.
- ARC south, intercept LSV R-269 outbound. Maintain VFR.

TAKEOFF RWY 21L/21R:

- Follow Noise Abatement Procedures.
- Fly runway heading until past Golf Course, turn right heading 300°.
- Cross LSV R-255 between 5,000' and 6,000' , intercept and proceed outbound on the LSV R-269. Recommend climb to 8,500' MSL or appropriate VFR altitude for overflight of North Las Vegas Training Area. Fly routing for appr. mission/transition.

TRANSITIONS:

R-4806: Turn right at the LSV 269/20 direct to assigned ranges.

BEATTY: Turn right at FYTTR direct BTY via the BTY R-105

R-2508: Turn right at the FYTTR, intercept the BTY 105/30, direct TUCKY, then direct R-2508

FYTTR DEPARTURE AND TRANSITIONS (FYTTR LOW)

LAS VEGAS, NEVADA

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

AL-227 (USAF)

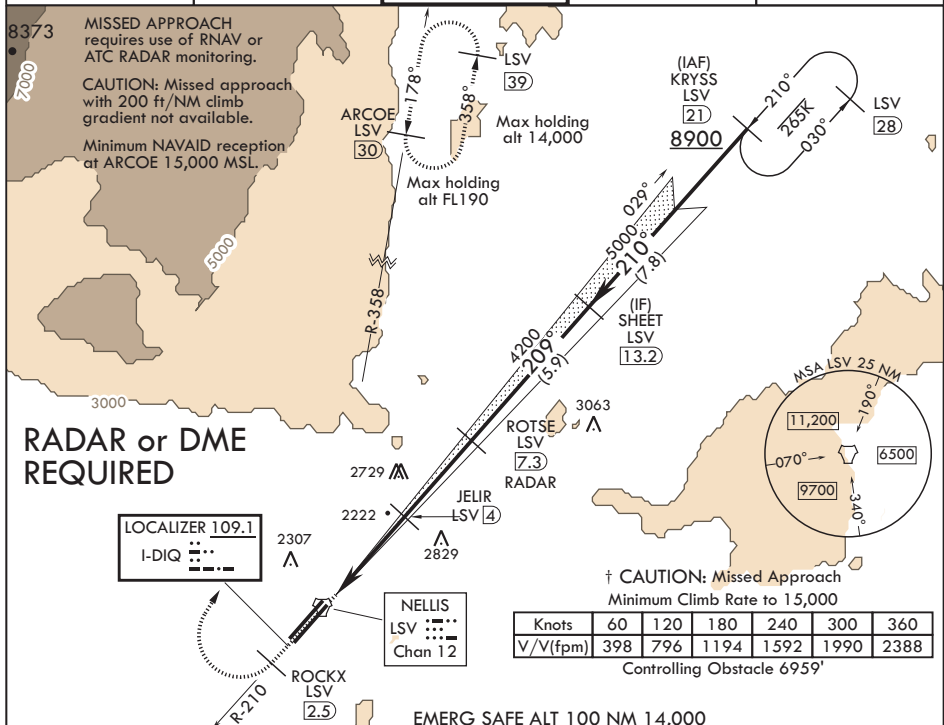
NELLIS AFB (KLSV)

T * 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 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 TACAN 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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21L ILS

15,000 LSV R-210

ROCKX LSV 2.5

hdg 020

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

SHEET 13.2

KRYSS 21

Intcp Lczr

8900

210°

209°

5000

3140 ±

4200

GS 3.00° TCH 50

TACAN

SESDE 6

JELIR 4

ROTSE 7.3 RADAR

LOC only

1.9

0.4

3.4 NM

3.3 NM

CATEGORY	A	B	C	D	E
S-ILS 21L*	2065/24		200	(200-½)	
S-LOC 21L**	2480/24	615 (700-½)	2480-1¾	615	(700-1¾)
SIDESTEP 21R	2500-1	631 (700-1)	2500-1¾	631	(700-1¾)

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)
Min:Sec	6:42	4:28	3:21	2:41	2:15

21L GLS

ELEV 1869

TDZE 21L 1865

TDZE 21R 1869

209° 7.2 NM from FAF

1921

1889

2011

BCN

2116

1951

1949-20

20.41° DOWN

10.651

1.50

0.4% DOWN

1889

TWR 1978

3R

3L

HIRL all Rwy's

AF 2022

FAF to MAP 6.7 NM

Knots	60	90	120	150	180
Min:Sec	6:42	4:28	3:21	2:41	2:15

LAS VEGAS, NEVADA

36°14'N - 115°02'W

NELLIS AFB (KLSV)

Amdt 9 03JAN19

ILS or LOC X 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

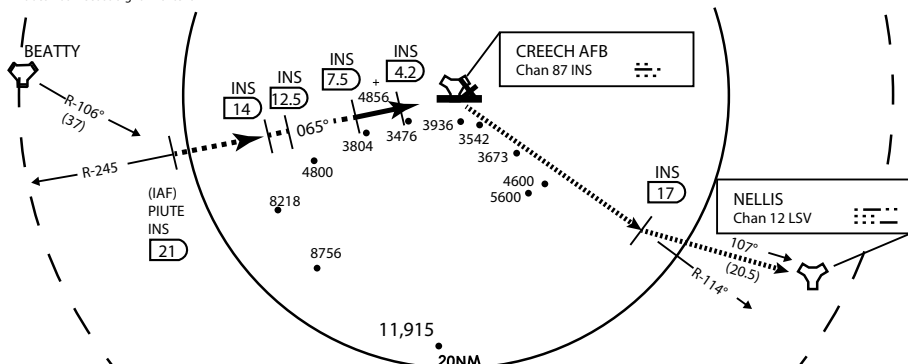
NOT FOR CIVIL USE

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



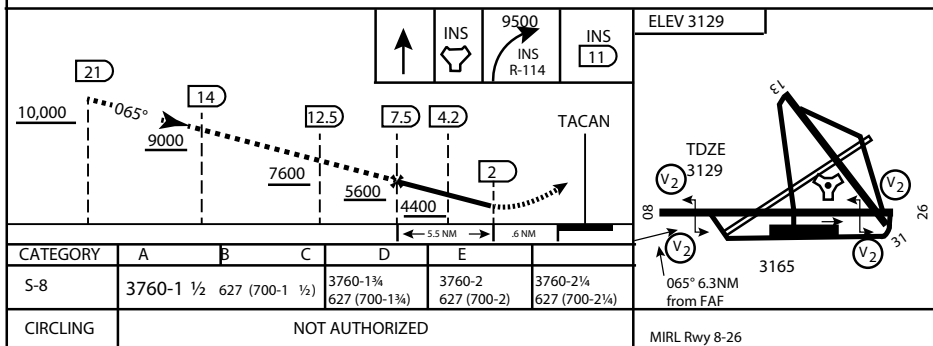
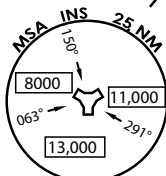
* CAUTION: Missed Approach Climb Rate to 4,700

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



