

MISSION DATA CARD								
OPORD		Callsign		Mission		Date/Time		
1992/2023		Panther 1		Training		192000JUN23		
Task	Training Buddy Lase					Freq		
AO	Range 66.02 22B24					261.15		
Departure				Recovery				
FYTTR LOW				STRYK				
#	Callsign		Pilot		IFF	TCN	LSR	NET
-2	Panther 1-2		Razorback		1012	74Y	1552	01/02

LOADOUT			
A/A	A120C, A9X		GUN 100% HEI-T
A/G	2xA65E, 2xG16		CHF 90
POD	AT50, TGP		FLR 30
TKS	FPU-8A		FUEL 100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	13047			3500	2000

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 26.393 W115 41 28.231	14000	
2	Creech	N36 35 01.983 W115 40 36.751	15000	
3	IP	N35 51 31.020 W116 32 29.803	23000	
4	Range 66.02	N35 34 49.625 W116 43 26.006	2054	
5	Coold	N35 41 41.487 W116 27 22.142	23000	
6	Creech	N36 35 01.984 W115 40 36.856	12000	
7	STRYK	N36 25 36.847 W115 30 41.851	9500	
8	Gass Peak	N36 24 09.453 W115 10 36.394	8800	
9	Nellis AFB	N36 13 32 W115 02 37	1846	

COMMS	
Radio	Usage
1	11(Atis), 3(NG), 4(NT), 16(BJ), 18(SH), 16(BJ), 4(NT), 3(NG)
2	Inhouse 261.45
3	MIDS A: 24 / B: 44

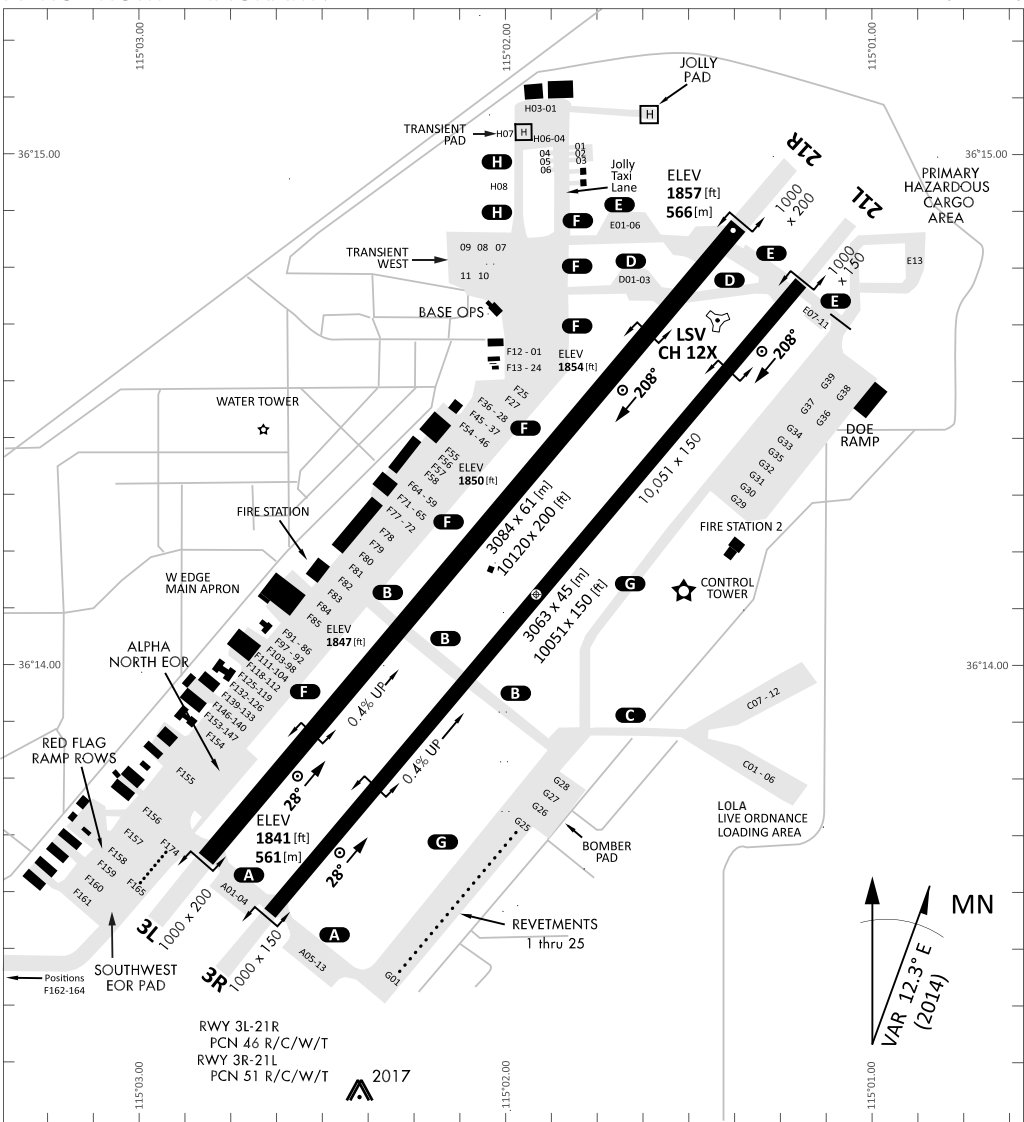
SUPPORT					
Tanker					
Callsign		TCN	Freq	ALT	TAS
ARCO 1		113Y	319.8	FL250	450
	Pos	AR-625: MVA 168/77 (N3717 W11802)			
SHELL 2		115Y	360.8	FL250	430
	Pos	AR-635: MLF 260/127 (N3831 W11542)			
AWACS					
Callsign	Freq	ALT	Pos		
MAGIC	377.8	FL270	N3749 W11417 - N3713 W11446		

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Raptor 1	Training	4x F-16C	134.0	21/84		156X
	AO	BVR-Y	Task	BRV Training		
Tiger 1	Training	3x F/A-18C	261.15	11/74	1	155X
	AO	Range 66.02 22B24	Task	Training Buddy Lase		
Tiger 2	Training	2x F/A-18C	261.25	11/74	1	157X
	AO	Range 66.02 25B27	Task	Training Buddy Lase		
Rattler	Training	2x AH-64D	133.5	21/84		125X
	AO	Range 63	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	
M	O	D	E	R	A	T	I	N	G	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	JAQW	CMT	VID	KU	YX	EHR	OL	NB	PF	SG
B	YGEC	XRO	JUA	PL	HT	WSF	NK	DQ	BI	MV
C	ICNJ	AER	KQS	WT	XG	HOL	FP	YU	BV	DM
D	ALJQ	GMW	IBK	RS	VT	OUN	FD	PH	EY	CX
E	PKCE	YST	IXJ	RF	HG	WAB	UL	MD	NV	QO
F	DATV	FCY	ORP	SN	IX	GQB	EK	UJ	MW	HL
G	RVXU	EWS	MHY	DQ	FL	GPI	BN	AT	CO	KJ
H	FJTL	MNK	ECH	PY	QG	IRU	DO	SV	BW	XA
I	MOYQ	SJL	NRT	KU	IG	WVD	FP	CE	BA	HX
J	YNWO	DMX	SIC	FA	TK	JLE	GR	QB	PH	UV
K	QSJU	ELI	VNF	MG	YH	OWA	TD	BK	RP	XC
L	AYSV	ROF	ETL	GH	UM	IQC	BX	WD	KN	JP
M	GJWY	SDC	IQF	TU	LR	MBK	HV	PN	EX	AO
N	DMKN	SVA	GWT	FL	OY	REX	CQ	PJ	UI	HB
O	UAIP	WXJ	QBL	GY	KN	THF	RD	CV	OS	EM
P	PRDO	XIT	GAN	CL	YU	QEM	KF	JB	HV	SW
Q	IGOM	RSC	UWH	QJ	LP	NEF	DX	YV	BK	AT
R	PUXI	SRT	ONJ	WE	GL	BQV	AH	KF	DM	YC
S	QIDM	RHY	VUW	LF	EN	GBO	XJ	KT	SC	AP
T	SUEI	YMP	GFH	RV	JL	KDT	CN	WX	BO	AQ
U	BMGE	CPI	HJT	VR	XW	NAD	YS	FK	UL	OQ
V	CQXB	TLU	FDS	AJ	VW	NOH	GY	IE	RK	PM
W	LMSU	DRX	JFW	NC	TK	EHA	GV	BQ	OP	IY
X	ADKL	GUS	ETH	FV	RW	PXB	IY	NO	CJ	MQ
Y	PQDE	RAV	CTO	KW	YS	NUF	HM	IB	LJ	XG

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	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	ARP	ELEV	Scale 1:35'500
	21R	A C D E	2257 - 1.2 350 (350-1.2/1.6)	36° 14.060° N	1857 [ft]	0 300 600 900 1200 1500 [m]
	3L	A C D E	2257 - 1.2 350 (350-1.2/1.6)	115° 01.058° W	566 [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

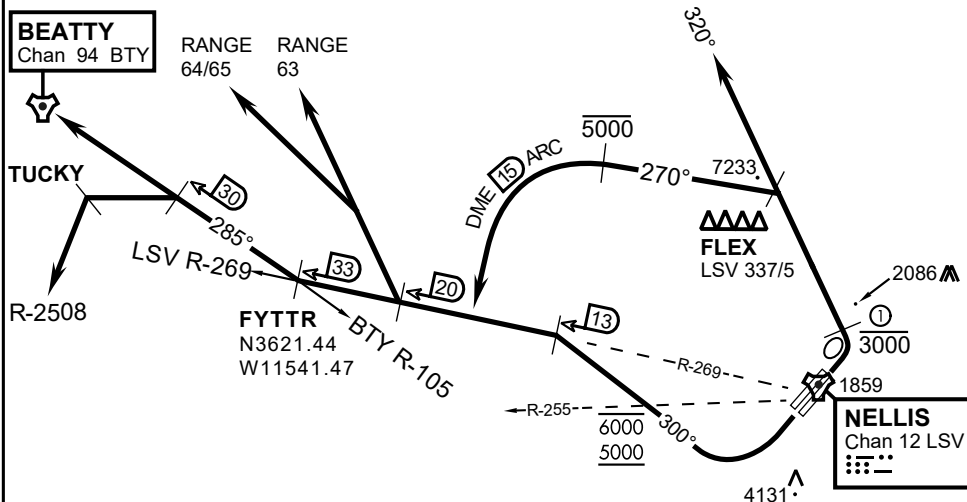
ATIS
 270.100
 NELLIS GROUND
 275.800
 NELLIS TOWER
 327.000
 NELLIS CONTROL
 317.525
 NELLIS DEP/APP EAST
 384.400
 BLACKJACK
 377.800

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 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.
- 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)



APPROACH ROUTE DESCRIPTION

APPROACH RWY 3L/R

Cross STRYK at or above 9,500' MSL, proceed direct GASS PEAK. Cross JORDN at or above 9,500' MSL, cross GASS PEAK at or above 8,500' MSL. Proceed direct SIMNS and cross at 5,500' MSL. Cross Las Vegas Blvd at or above 4,000' MSL then to 3,500' MSL for Initial. Remain within 4 DME if LSV on turn to final.

VFR STRAIGHT-IN RWY 3L/R

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

APPROACH RWY 21L/R

Cross STRYK at or above 9,500' MSL, proceed direct GASS PEAK. Cross JORDN at or above 9,500' MSL, cross GASS PEAK at or above 8,500' MSL. Cross APEX at or above 4,500' MSL then direct 5NM initial. Descend to cross PHINN at 4,000' MSL, Inside 5 NM descend to 3,500' MSL.

VFR STRAIGHT-IN RWY 21L/R

Cross APEX at 4,000' MSL. Descend to be at 3,000' MSL at PHINN. Descend to 3,000' MSL at LSV 027/5.

RANGE 63B EXIT

SOUTH: Via NIXON at or above 10,000' MSL, then direct STRYK.

EAST: Via SARAH at or above 10,000' MSL, then direct GASS PEAK.



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

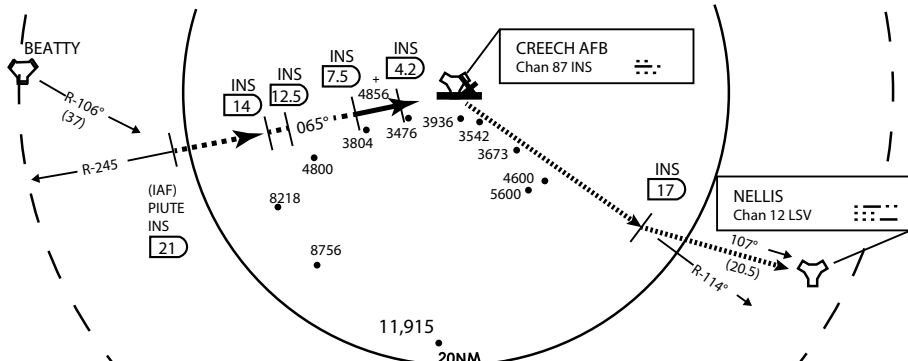
NOT FOR CIVIL USE

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

