

MISSION DATA CARD						
OPORD		Callsign		Mission		Date/Time
804/2022		Panther 1		Training		182000APR22
Task	A/G MAV Range 75-15					Freq
AO						261.35
Departure				Recovery		
FYTTR LOW				STRYK		
#	Callsign	Pilot		IFF	TCN	LSR NET
-1	Panther 1-1	Razorback		1021	11Y	1551 01/01

LOADOUT			
A/A	A9X, A120C	GUN	100% HEI-T
A/G	4xA65E	CHF	90
POD	TGP, AT50	FLR	30
TKS	FPU-8A	FUEL	100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	13047			3500	

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	LSV 269/33 (N36 21.440 W115 41.470)	14000	
2	JAYSN	N36 34.425 W116 02.444	20000	
3	Range 75W	N37 26.499 W116 34.275	20000	
4	T75.15	N37 26.589 W116 32.513		
5	Creech	N36 35.208 W115 40.961	15000	
6	STRYK	LSV 282/26 (N36 25.620 W115 30.700)	10000	
7	GASS PEAK	LSV 309/12 (N36 24.140 W115 10.660)	8800	
8	Nellis	N36 14.680 W115 01.500	3500	

COMMS	
Radio	Usage
1	11 / 3 / 4 / 16 / 4 / 3
2	A 23 / B 44
4	ARCO 1 319.8/113Y

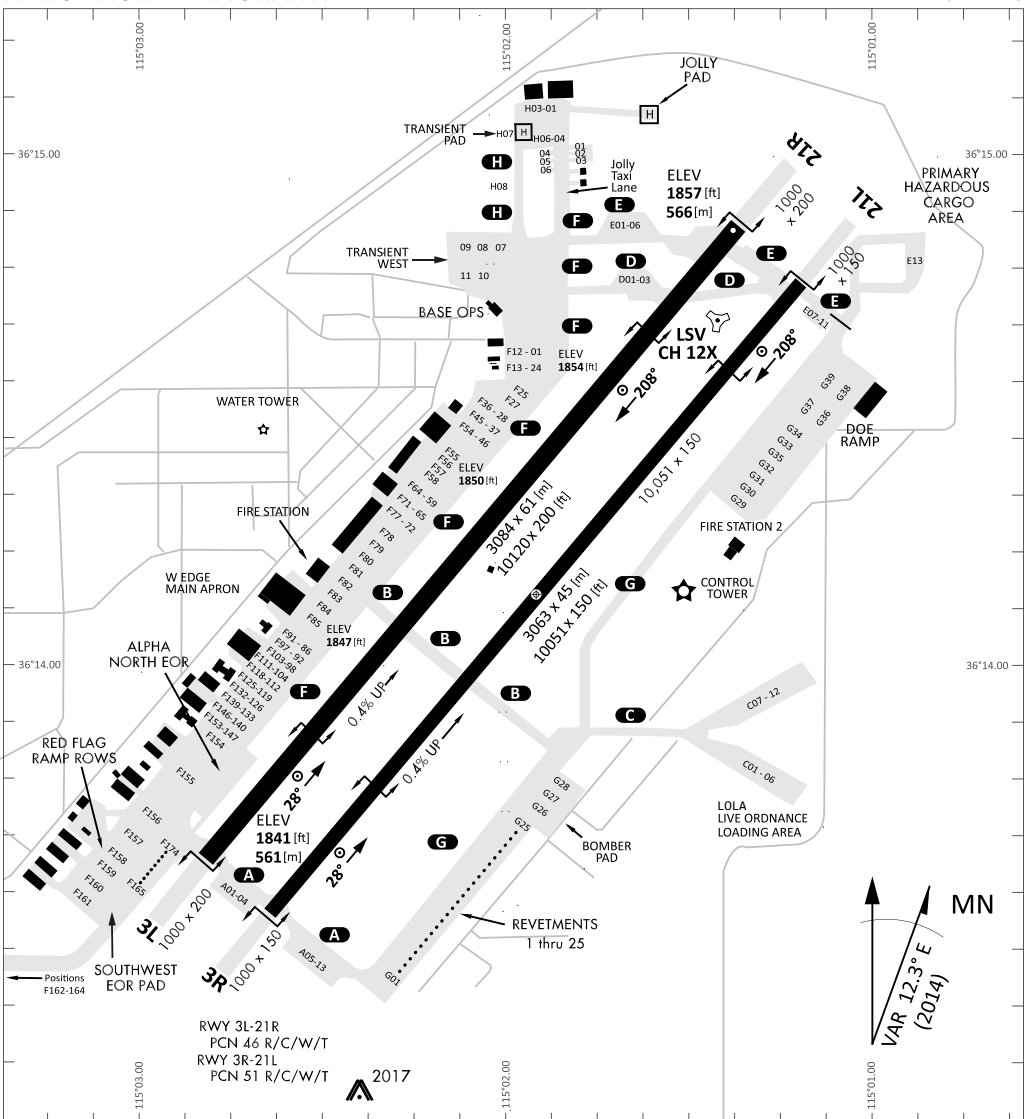
SUPPORT					
Tanker					
Callsign		TCN	Freq	ALT	TAS
ARCO 1		113Y	319.8	FL250	450
	Pos	AR-625: MVA 168/77 (N3717 W11802)			
SHELL 2		115Y	360.8	FL250	430
	Pos	AR-635: MLF 260/127 (N3831 W11542)			
AWACS					
Callsign	Freq	ALT	Pos		
MAGIC	377.8	FL270	N3749 W11417 - N3713 W11446		

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Venom* 2	Training	2x Ground	34.5	21/84		156X
	AO	Range 62	Task	JTAC		
Rattler 5	Training	4x AH-64D	35.35	21/84		120X
	AO	Wind 050° 6kt. Visibility 10sm. Clouds few 20000ft.	Task			
T-Rex 1	Training	1x A-10C	132.5	27/90	15	157X
	AO	Wind 050° 6kt. Visibility 10nm. Clouds few 20000ft.	Task	CAS für JTAC		
Monster 1	Training	1x A-10C	132.25	27/90	26	167X
	AO	Wind 050° 6kt. Visibility 10sm. Clouds few 20000ft.	Task			
Edelweiss 7	Training	1x AH-64D	134.75	21/84	41	167X
	AO		Task	Fam Flight		
Tiger 1	Training	2x F/A-18C	261.15	21/84	1	120X
	AO	Wind 050° 6kt. Visibility 10sm. Clouds few 20000ft.	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	
F	E	T	C	H	I	N	G	L	Y	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	MHIW	ONU	VKT	FR	LP	QAG	DJ	SX	EC	BY
B	VRUC	SXM	LAF	TI	NK	EQG	WY	HB	JP	OD
C	DJYQ	TXR	BCV	AF	NI	EUH	LG	MK	WP	SO
D	ELTF	HIO	AVX	WK	NM	DUR	YP	CS	BJ	GQ
E	XYFJ	PWC	BGT	KE	DI	NMU	LV	SA	QH	RO
F	QRHI	DMJ	UAT	NL	EF	GYO	BS	CK	XV	WP
G	SKLB	EPX	IAG	MV	JC	TFW	RQ	OU	DY	NH
H	FHLS	OPK	YJN	QC	GA	EUX	BD	RI	MW	VT
I	STIC	AXH	ERV	MQ	WY	BUJ	DK	GL	NF	OP
J	GQNY	WKX	UIP	AF	LO	MDS	CR	VH	TE	JB
K	ROTF	DHU	KSJ	CJ	BX	AWG	VL	IM	NQ	EP
L	OUNK	RGD	XYI	LB	JW	TFH	PV	SQ	ME	CA
M	DJLR	FNU	OBW	CS	XI	MGH	QA	EV	KP	YT
N	TOER	YPV	BGK	JW	HF	NDL	QA	CM	US	IX
O	FPGL	EOR	XNI	CA	HU	DSV	MW	JQ	KB	YT
P	JTEQ	FGC	AWB	OX	YL	DHU	NI	RM	SP	VK
Q	FHCW	JNV	EGR	KY	LA	SOB	XD	PQ	TU	IM
R	NYPQ	IFG	SXK	VU	RD	WAB	MO	LH	JT	CE
S	QEVO	YUM	LGT	PK	DW	XNA	IJ	SC	RF	HB
T	FJAT	SDW	UHC	EP	GI	NRB	KO	XM	VQ	YL
U	BSJL	AUH	DXR	NF	KP	IEM	OY	CG	TW	VQ
V	QINK	LSX	MVH	CD	RB	PTJ	FA	UG	EW	YO
W	YPCG	WEH	XAI	QK	UF	BNT	JR	DL	OM	SV
X	GWTM	EHU	DRQ	BY	LV	FXS	AC	PO	IK	JN
Y	KHAJ	NLS	EIB	TV	QO	RUF	GC	PY	DW	XM

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
	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	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

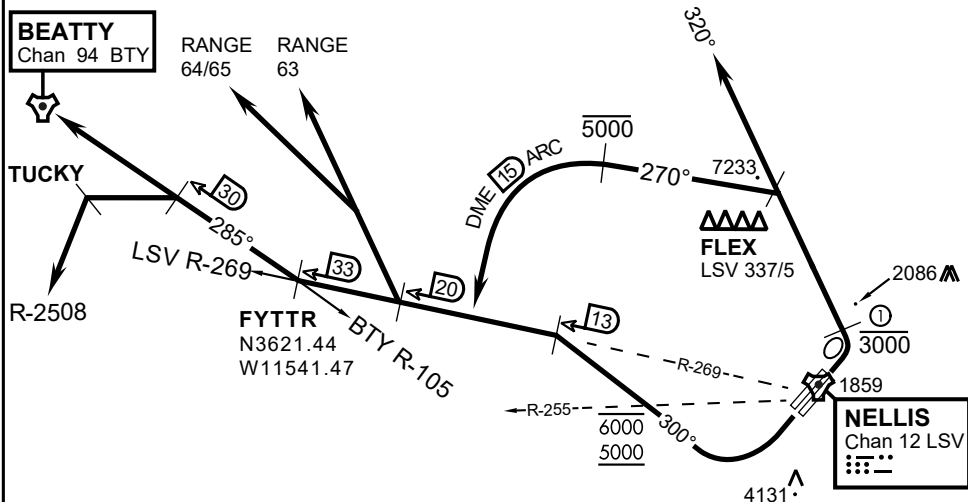
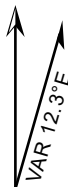
ATIS
 270.100
 NELLIS GROUND
 275.800
 NELLIS TOWER
 327.000
 NELLIS CONTROL
 317.525
 NELLIS DEP/APP EAST
 384.400
 BLACKJACK
 377.800

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.

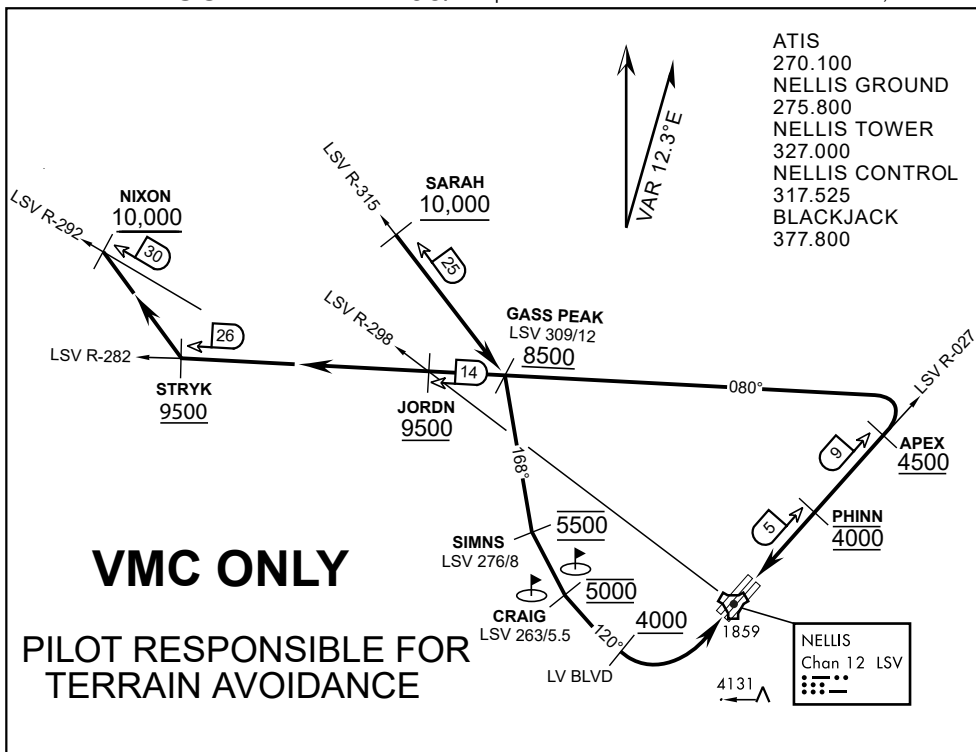
TRANSITIONS:

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)



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	APCH CRS	Rwy Idg	9002
Chan 87	065 °	TDZE	3133
		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 1360.60

GND CON

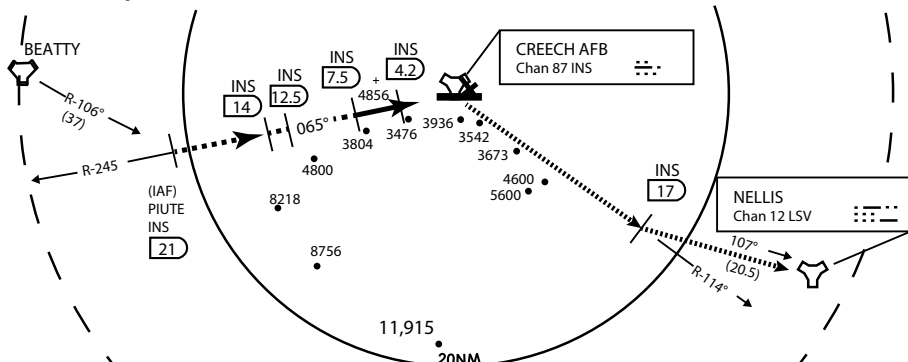
NOT ~~FOR~~ CIVIL USE

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



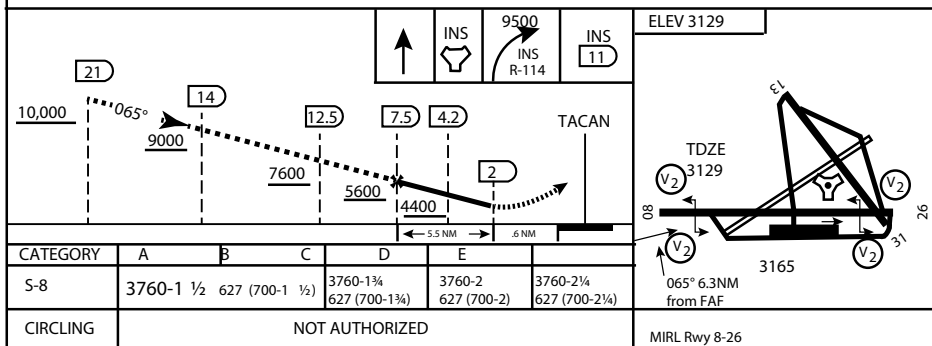
* CAUTION: Missed Approach Climb Rate to 4,700

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)

KINS - HI TACAN RWY 8
(DAY ONLY)



