

MISSION DATA CARD						
OPORD		Callsign		Mission		Date/Time
1058/2022		Panther 5		Training		232000JUL22
Task	A/G Training					Freq
AO	Range 75-15					261.35
Departure			Recovery			
FYTTR LOW			STRYK			
#	Callsign	Pilot		IFF	TCN	LSR NET
-1	Panther 5-1	Razorback		1511	11Y	1551 01/01

LOADOUT			
A/A	A9X, A120C	GUN	100% HEI-T
A/G	2xA65F, 2xG12	CHF	70
POD	TGP, AT50	FLR	50
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)	12000	
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	5178	
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)	8000	
8	Nellis	N36 14.680 W115 01.500	3500	

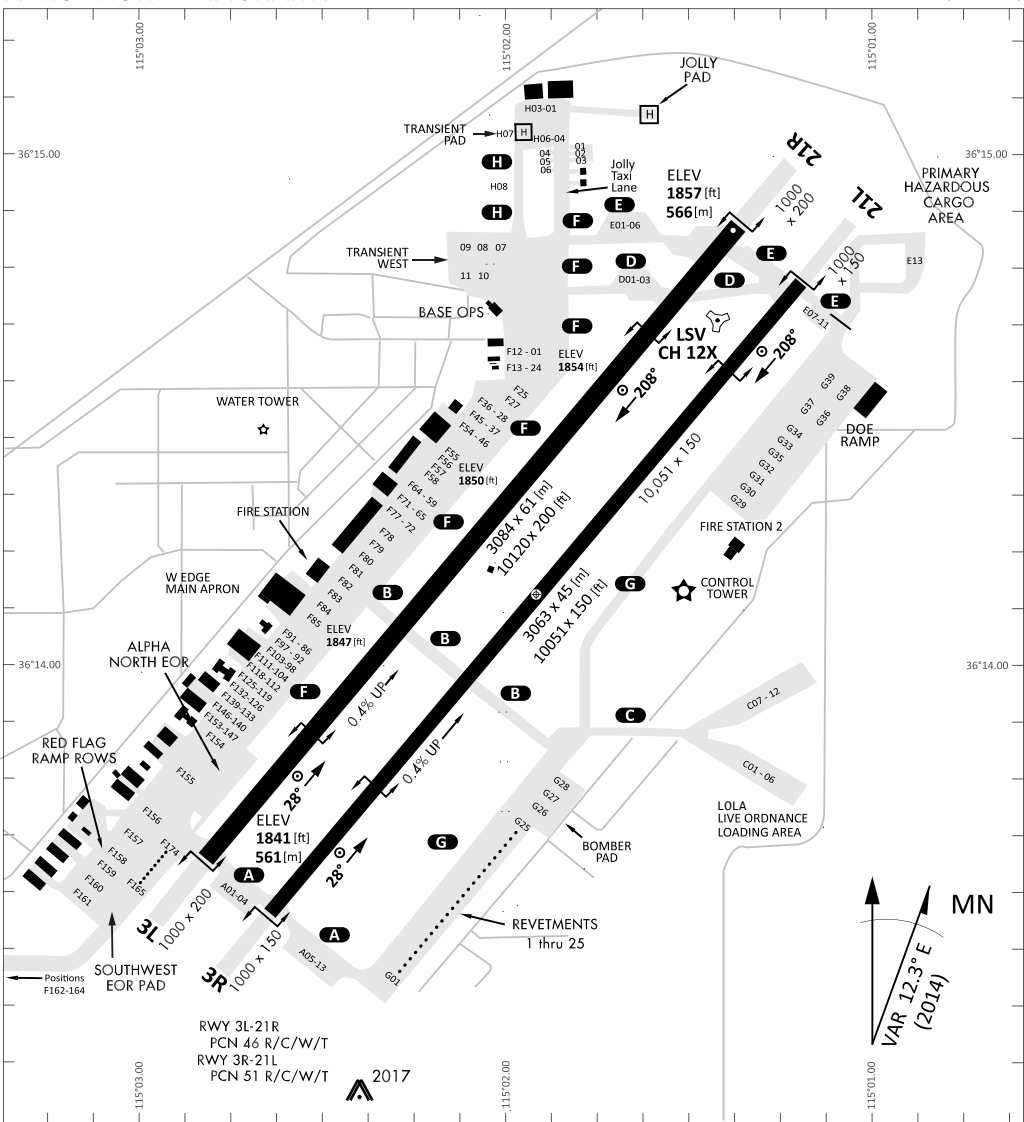
COMMS	
Radio	Usage
1	11 ,3 ,4, 16, 4, 3
2	A 22 B 44

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		

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	
S	L	U	M	B	E	R	I	N	G	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	HLDU	NBY	SWJ	AP	KO	FVC	TM	GI	RE	QX
B	CNMI	DOS	PTX	YV	AJ	BFG	KR	QL	WU	HE
C	LAWY	EBJ	TOQ	NH	FD	KIS	MG	RV	PX	UC
D	ABIL	OUM	JWY	NH	CS	QTP	KE	XV	DR	FG
E	AHUQ	INS	DGK	VR	OF	EYP	TC	XJ	LM	WB
F	ODGK	NBT	QHR	PL	YU	XAC	VF	SE	MJ	WI
G	JSGF	AMD	KHN	QL	PO	UEI	XC	BW	TV	YR
H	ELGH	XAP	SWK	FM	OY	BVJ	RC	QN	UD	TI
I	SXJC	WQP	LKR	NH	DG	ATI	EB	FU	VM	OY
J	UPDX	CSY	MVH	FR	EO	BQJ	WT	IG	KA	NL
K	OHWN	XUM	JRE	TV	YL	DIA	GP	SF	CK	BQ
L	MTLK	WSC	JOG	HD	IB	NRA	PQ	VX	EY	UF
M	ENDU	CYW	XGV	LF	HP	QOA	SI	KT	BM	RJ
N	XJYB	OMS	VRQ	UH	WL	PTK	IN	GF	AD	EC
O	XAMC	JHB	VKW	TD	EN	UQG	RS	PF	LO	IY
P	JVIT	XYD	ARP	GF	SL	BUQ	WC	ME	KO	HN
Q	OCVS	NUR	GAD	KI	QP	JFT	BE	MW	HL	YX
R	MBSV	xwQ	TYP	IK	NC	AUO	FE	HJ	RG	LD
S	OEJW	AMC	UTG	FQ	HP	SXY	IV	RD	LB	NK
T	FCID	SHL	KRM	GW	VA	TNE	YO	JP	UB	XQ
U	BTAC	GUE	JDL	PR	OQ	xmW	VH	IN	KS	YF
V	MTLO	BQF	YXV	PR	JE	ISD	NC	HK	WG	AU
W	XOGM	TDB	SAU	FQ	KE	CYN	JR	VL	HI	WP
X	RIFE	SVU	LJB	PD	WY	TMO	XC	HK	AN	QG
Y	TPLD	ONC	MUE	VB	IX	QJA	FK	HS	RW	YG

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 36° 14.060' N 115° 01.058' W	ELEV 1857 [ft] 566 [m]	Scale 1:35'500						
	21L	A B D E	2057 - 0.8 200 (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

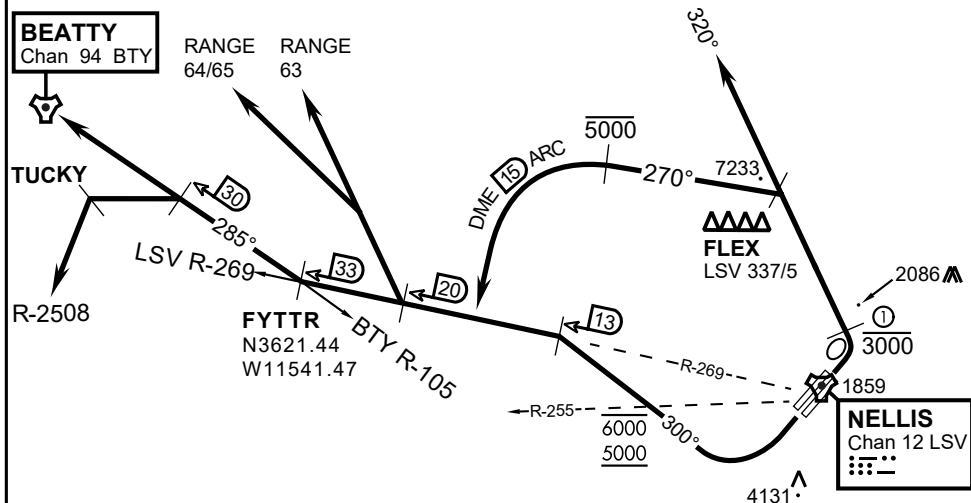
ATIS
 270.100
 NELLIS GROUND
 275.800
 NELLIS TOWER
 327.000
 NELLIS CONTROL
 317.525
 NELLIS DEP/APP EAST
 384.400
 BLACKJACK
 377.800

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.

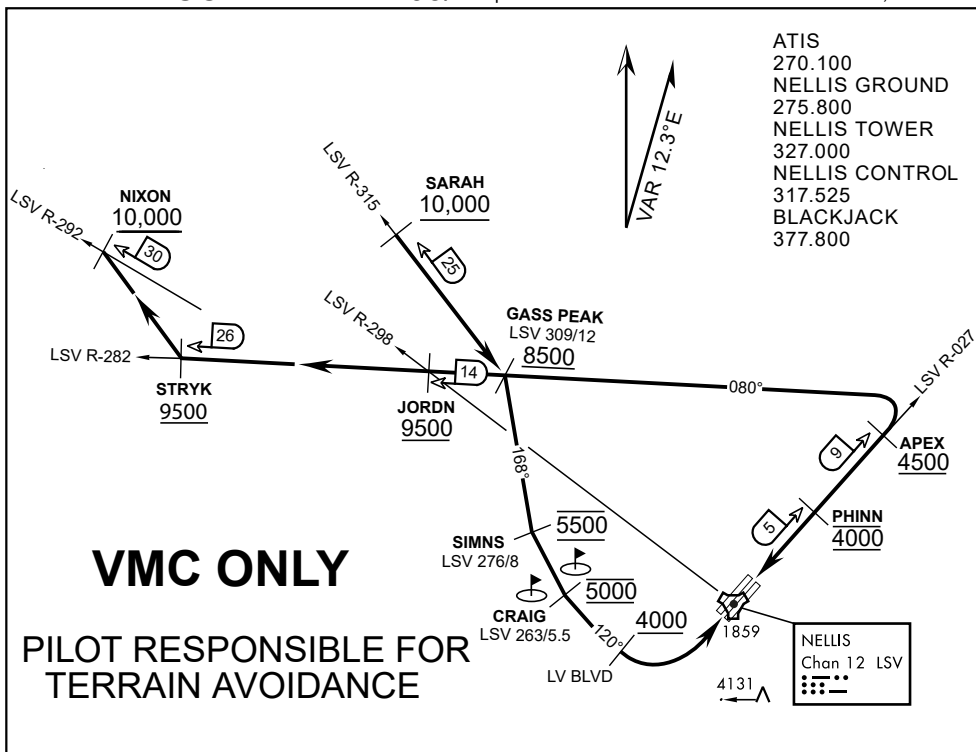
TRANSITIONS:

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)



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
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NELLIS CON -	CREECH AFB TOWER 118.30 660.60	GND CON -
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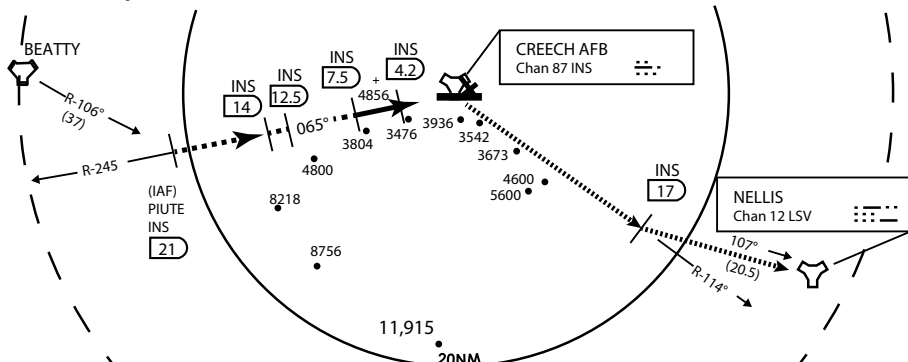
NOT FOR CIVIL USE

FOR USE UNDER BASIC VFR
WEATHER MINIMUMS ONLY

PILOT IS RESONPSIBLE
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

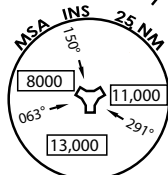
CAUTION: Final approach course crosses
Runway centerline at MIDFIELD. Maneuvering
left of course required prior to landing. Do not
Maneuver farther north than the INS R- 258



* 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

21 10,000 9000 065° 14 12.5 7.5 4.2 7600 5600 4400 2 TACAN INS 11 9500 INS R-114 INS					ELEV 3129	
10,000 9000 065° 14 12.5 7.5 4.2 7600 5600 4400 2 TACAN INS 11 9500 INS R-114 INS					31 26 3165 065° 6.3NM from FAF TDZE 3129 V₂ V₂ V₂ V₂	
CATEGORY	A	B	C	D	E	
S-8	3760-1 ½	627 (700-1 ½)	3760-1¾	627 (700-1¾)	3760-2	3760-2¼
CIRCLING	NOT AUTHORIZED					MIRL Rwy 8-26

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



