

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
305/2021		Tiger 2		Training		182000OCT21	
Task	HARM delivery refreshments					Freq	
AO	Groom + T62					261.175	
Departure				Recovery			
FYTTR LOW				STRYK			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Tiger 2-1	Warblade		1021	12Y	1551	
-2	Tiger 2-2	Retai		1022	75Y	1552	
-3	Tiger 2-3	SNAFU		1023	75X	1553	
-4	Tiger 2-4	Hawk		1024	12X	1554	

LOADOUT			
A/A	C9M, A120C	GUN	100% SAPHEI
A/G	4xA88C	CHF	120
POD	TGP, AT50	FLR	0
TKS	FPU-8A	FUEL	100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	13047		3500	2500	

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 21.4400 W115 41.4700)	18000	
2	IP	N36 50.7192 W115 27.0948	28000	
3	AO Groom Lake	INS 339/42 (N37 16.5000 W115 48)	0	
4	STRYK	LSV 282/26 (N36 25.6200 W115 30.7000)	28000	
5	SARAH	LSV 315/25 (N36 36.4500 W115 18.0300)	15000	
6	GASS PEAK	LSV 309/12 (N36 24.1400 W115 10.6600)	10000	
7	Bullseye	LSV 323/63 (N37 17 W115 07.0500)	0	

COMMS	
Radio	Usage
1	11, 3, 4, 16, 11, 3, 4
2	261.175
3	A 27
4	B 31

NOTES

AO Groom Lake as usual.

Rearming and refueling if necessary in Creech.

HARM CODES

SA 6 = 108

SA 3 = 123

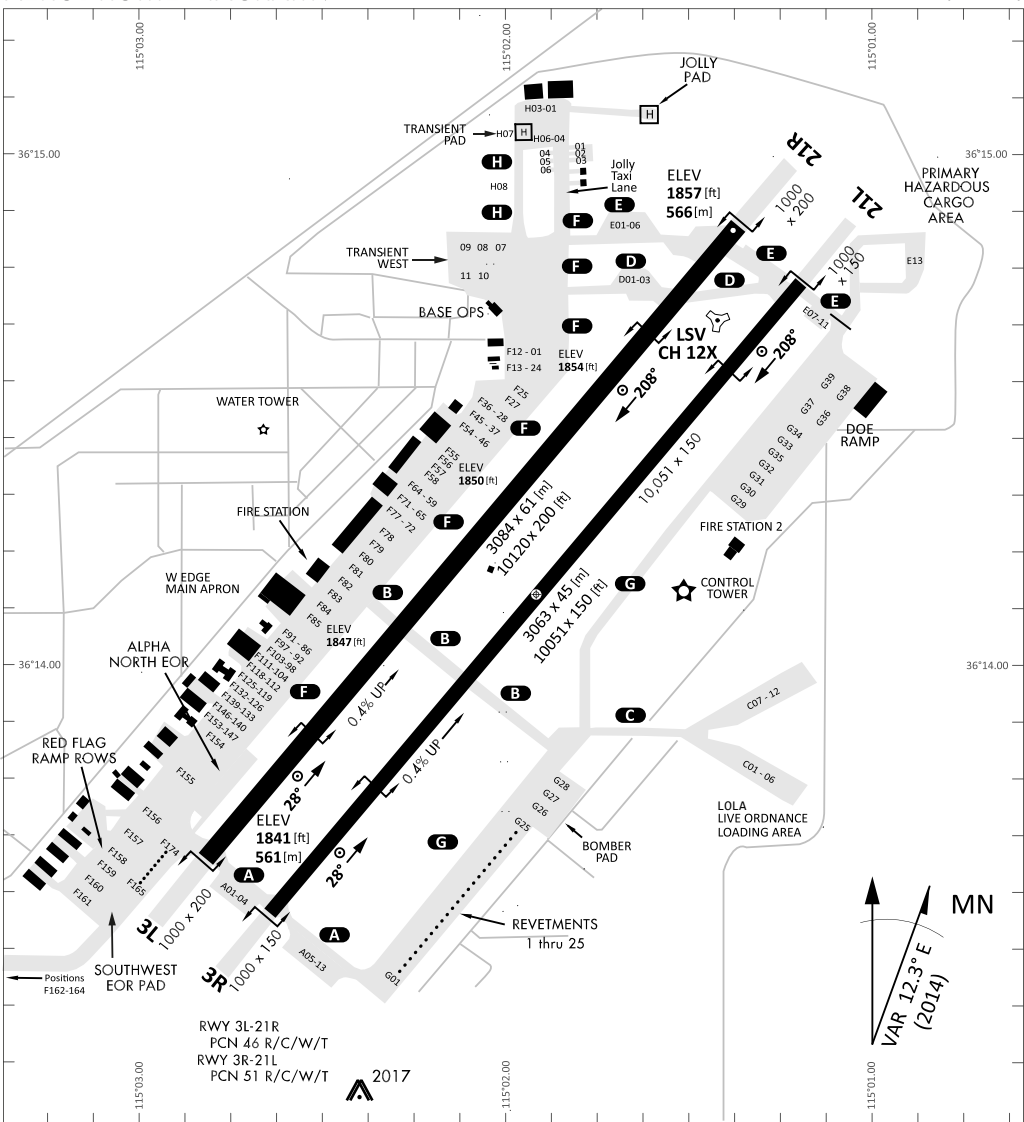
SUPPORT					
Tanker					
Callsign		TCN	Freq	ALT	TAS
ARCO 1		113Y	319.8	FL250	450
	Pos	AR-625: MVA 168/77 (N3717 W11802)			
SHELL 2		115Y	360.8	FL250	430
	Pos	AR-635: MLF 260/127 (N3831 W11542)			
AWACS					
Callsign	Freq	ALT	Pos		
MAGIC	377.8	FL270	N3749 W11417 - N3713 W11446		

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Panther 6	Training	4x F/A-18C	261.35	31/94		157X
	AO	Range 65(C)	Task	LAHD - Bombing		
Edelweiss 7	Training	3x F/A-18C	134.75	21/84	41	167X
	AO	North War, Single Ship Departure	Task	NCR - Session 8 - Tactical Formation		
Edelweiss 6	Training	2x A-10C	134.65	21/84	40	166X
	AO	LATN WEST	Task	Basic Jet Training		
Monster 1	Training	2x A-10C	132.15	25/88	21	161X
	AO	R63 B	Task	LCR UGB - Advanced Unguided Bombs		
T-Rex 2	Training	2x A-10C	132.25	25/88	22	162X
	AO	R63 B	Task	LCR UGB - Advanced Unguided Bombs		
Tiger 1	Training	3x F/A-18C	261.15	11/74	1	155X
	AO	Range 75-15	Task	A/G MAV Range 75-15 Convoy		
Edelweiss 3	Training	4x F-14B	264.35	21/84	1	173X
	AO	NTTR, Lee	Task	TAC Formation Training		
Lion	Training	2x F-16C	134.0	41/104		158X
	AO		Task	Sensor Training - TGP + LGB & Mav		
Edelweiss 6	Training	2x A-10C	134.65	21/84	40	166X
	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	U	L	M	I	N	A	T	E	D	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	FOXV	GLN	RCY	QI	KW	UMS	JD	HE	BA	TP
B	GWUD	YFI	JTQ	BA	HP	OEM	SV	XK	RC	LN
C	JFMR	AVD	CNU	TL	YG	EIS	KW	PB	OX	QH
D	OXWY	QMJ	EGC	UD	KR	VIT	NS	PA	FB	LH
E	JUYQ	KDI	BFV	SC	PR	HTX	ON	LA	EG	WM
F	ODNQ	YEU	VTI	KL	WB	SFH	XP	AG	RC	JM
G	BCSA	HKG	IPL	MW	DQ	FYJ	RN	TE	XV	UO
H	RSYK	FAP	NUQ	GO	HV	JIW	CD	BT	ML	XE
I	AGIC	NRF	YQP	BS	JL	MED	XO	VU	HK	WT
J	OURY	GFL	AWV	MB	QC	NEK	DI	PH	ST	XJ
K	WJRU	XAT	OMN	LH	VD	IGS	KQ	YE	PC	BF
L	FGPY	KME	NVC	SA	UR	IWX	QO	BT	LJ	DH
M	VAEQ	WRC	FPN	IH	YL	SKU	GD	TO	MJ	BX
N	LWFB	JXH	QET	PN	KI	SMU	VY	GA	RD	OC
O	EFNI	RLD	ASV	BO	QM	HJT	GK	UC	PY	WX
P	LHUF	GBS	CJY	PE	RQ	AWV	XK	DM	NI	OT
Q	DJGS	IQK	YHO	EV	PN	UFX	AB	WL	MC	TR
R	CHYE	DBU	WQA	NF	JP	ORG	TM	VI	SX	LK
S	WYLT	GKP	MJA	VE	NH	SUF	DR	BQ	XC	OI
T	TKIS	QAY	NRU	XJ	WG	BDO	FC	PL	VE	HM
U	DTWS	IVR	KFN	OU	CX	EHL	BQ	GA	PM	YJ
V	RSHC	JMT	PKE	YB	VN	GLX	FW	DQ	OA	UI
W	FWVN	AEO	KYI	QS	GX	LTM	BH	JU	CD	PR
X	QMOC	JPT	YVN	RH	AL	SGK	WE	XI	UD	FB
Y	RCAD	WHJ	FTY	EU	XI	NKL	SV	QP	OM	GB

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

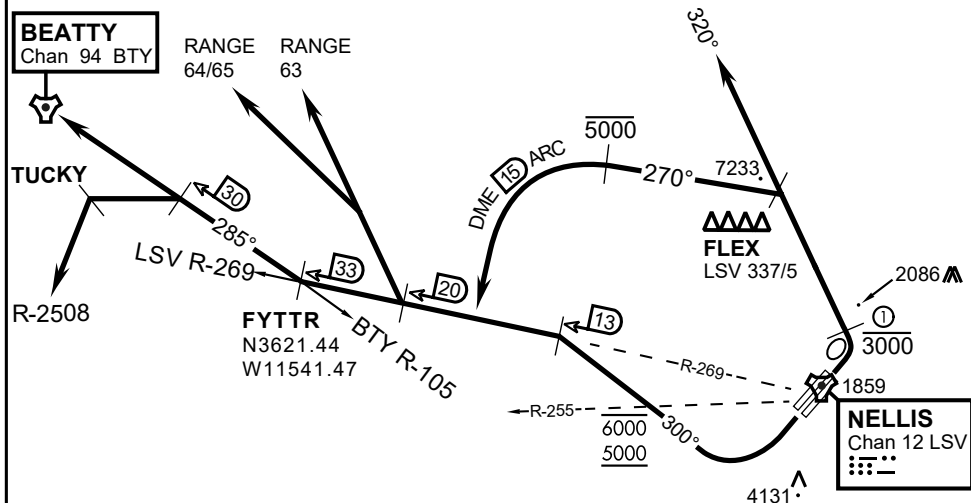
ATIS
 270.100
 NELLIS GROUND
 275.800
 NELLIS TOWER
 327.000
 NELLIS CONTROL
 317.525
 NELLIS DEP/APP EAST
 384.400
 BLACKJACK
 377.800

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.

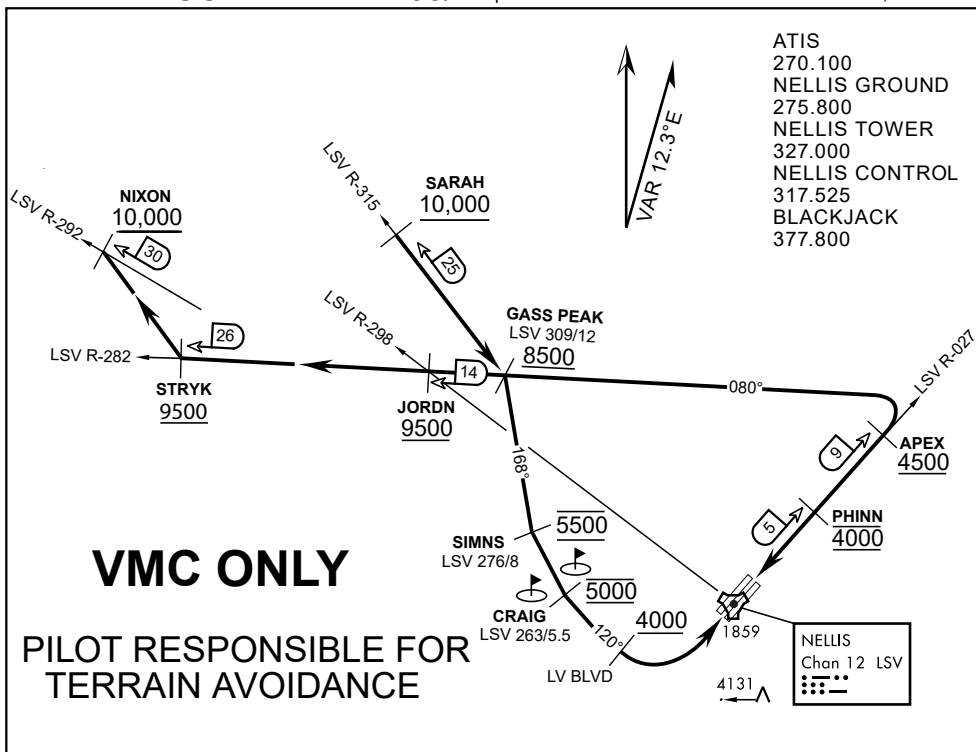
TRANSITIONS:

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)

T	* 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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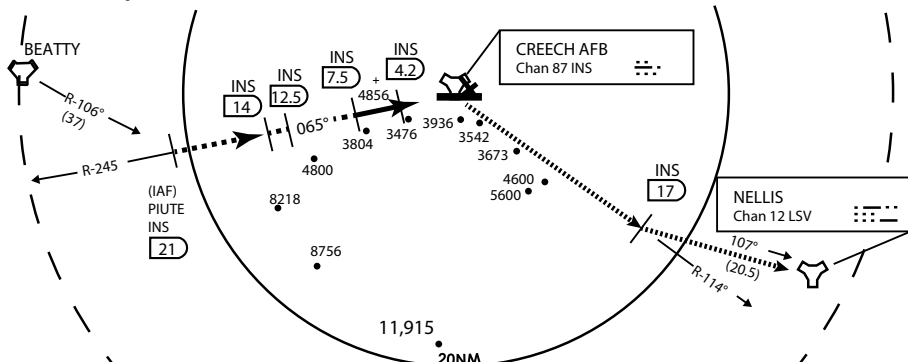
NOT FOR CIVIL USE

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

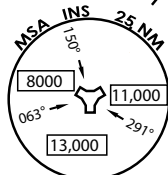
CAUTION: Final approach course crosses
Runway centerline at MIDFIELD. Maneuvering
left of course required prior to landing. Do not
Maneuver farther north than the INS R- 258



* 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

					ELEV 3129	
CATEGORY	A	B	C	D	E	
S-8	3760-1 ½	627 (700-1 ½)	3760-1¾ 627 (700-1¾)	3760-2 627 (700-2)	3760-2¼ 627 (700-2¼)	
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



