

MISSION DATA CARD						
OPORD		Callsign		Mission		Date/Time
2071/2023		Tiger 2		Training		212000AUG23
Task	A/A - Refuel Training					Freq
AO						261.15
Departure				Recovery		
FYTTR LOW				STRYK		
#	Callsign	Pilot		IFF	TCN	LSR NET
-1	Tiger 2-1	Laud		1021	11Y	1551 02/01

LOADOUT			
A/A	2xA9X, 2xA120C	GUN	100% HEI-T
A/G		CHF	90
POD		FLR	30
TKS	2xFPU-8A	FUEL	50%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	9889			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 AFB	N36 35 01.983 W115 40 36.751	15000	
3	FLUSH	N36 50 48 W116 20 16.200	24000	
4	Tonopah	N38 03 28 W117 04 33	24000	
5	AAR	N38 31 00.023 W115 42 00.063	24000	
6	BIGHORN	N37 52 W115 01 60	24000	
7	TROUTT	N37 16 60 W115 07 03	24000	
8	DREAM	N37 10 20.400 W114 59 31.800	22000	
9	Creech AFB	N36 35 01.984 W115 40 36.856	10000	
10	STRYK	N36 25 36.847 W115 30 41.851	9500	
11	GASS PEAK	N36 24 09.453 W115 10 36.394	8800	
12	Nellis AFB	N36 13 32 W115 02 37	1843.832 02099738	

COMMS	
Radio	Usage
1	11, 3, 4, 16, 11, 4, 3
2	Inhouse 261.15
3	MIDS 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		

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Vanguard	Training	1x AV-8B N/A	264.55	21/84		163X
AO	ALAMO + R-61B	Task	WEAPONS TRAINING			
Raptor 1	Training	2x F-16C	134.0	21/84		156X
AO		Task				
Edelweiss 6	Training	2x A-10C	134.65	21/84	40	166X
AO	Nellis AFB	Task	BJT			
Tiger 1	Training	4x F/A-18C	261.15	11/74	1	155X
AO		Task	A/A - Refuel Training			
Monster 1	Training	4x A-10C	132.15	25/88	21	161X
AO	R64 + AR-641A	Task	AAR + Gun Training			
T-Rex 2	Training	4x A-10C	132.25	27/90	25	165X
AO	R64 + AR-641A	Task	AAR + Gun Training			
Nazgul* 6	Training	4x F-15E	261.25	21/84		156X
AO		Task				
Raptor 2	Training	2x F-16C	134.5	21/84		156X
AO		Task				
Edelweiss 1	Training	1x F/A-18C	264.15	21/84		171X
AO		Task				
Edelweiss	Training	1x F/A-18C	264.05	21/84		170X
AO		Task				
Edelweiss 1	Training	1x F/A-18C	264.15	21/84		171X
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	
M	A	N	I	F	E	S	T	L	Y	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	RETD	BOQ	KCN	SH	WU	VYG	JA	MP	XI	FL
B	NTOJ	SAQ	FMR	IB	KL	HUW	CP	EG	XV	YD
C	QUNJ	GPH	IVB	TF	ML	RES	XO	YW	KC	AD
D	LIBS	EMQ	XWP	CO	NT	KUY	VR	DF	GA	HJ
E	LWUG	SFK	XHE	RI	TN	DYC	PQ	MA	OJ	VB
F	QRPX	TOV	KAS	MF	UJ	NLD	YI	CG	WE	HB
G	JTLW	BHD	ICS	UQ	FP	RAX	EK	OY	MG	VN
H	BJNX	QAD	YLV	HU	KP	FTM	ER	OG	SI	WC
I	BCIN	GEM	PAV	FR	HX	JKQ	SW	DL	UT	YO
J	KCBY	TEN	JFD	RH	AG	SVI	MO	QU	XL	WP
K	RDCE	KMU	NTO	FY	IX	WHQ	JB	SG	VL	AP
L	MGFX	VLR	OYW	CA	PQ	IKD	HE	NB	SJ	TU
M	XOSQ	WBU	FCR	YN	PK	ETG	VI	AM	LD	HJ
N	ADHG	EBS	YUL	PW	FR	IQM	OX	CK	NV	JT
O	FHNE	GTY	JQW	OB	KV	XSC	DP	LR	MA	IU
P	YNEA	CTR	VSX	LO	IF	MPQ	WG	KB	UJ	HD
Q	JHEA	IYR	LNF	KS	UB	PWM	DO	QT	GC	XV
R	UEBJ	HQV	KFA	PT	CR	SOW	GY	NM	ID	XL
S	FMCO	RXN	QGA	PT	YJ	IDS	BV	HU	LE	WK
T	OWCU	YXJ	LFV	QB	GN	KTP	EH	AS	IM	DR
U	EXSN	RAP	WIY	FO	QT	KLC	UD	VH	JG	MB
V	FNAL	UTO	YMW	GI	DH	PQR	SV	KX	CB	EJ
W	IMTP	ECQ	VWO	LU	SX	DHB	KA	JY	GN	RF
X	DRSP	UMH	CVF	LT	QE	JBI	XN	KY	GA	OW
Y	VTYP	MRC	UNL	XA	EF	HWB	JD	OQ	IG	KS

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	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

NELLIS CON

CREECH AFB TOWER
118.30 660.60

GND CON

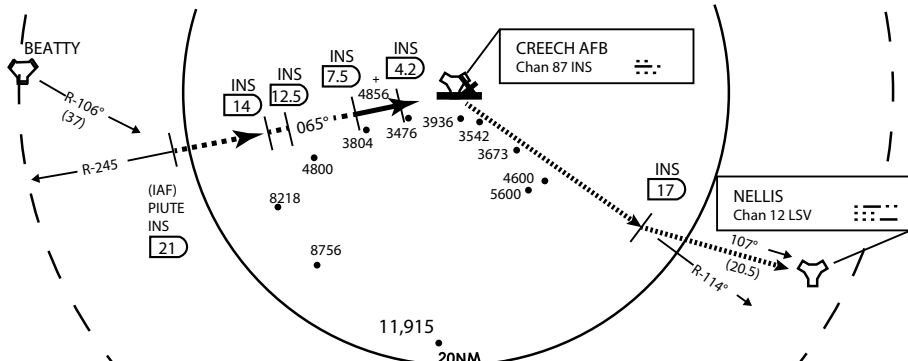
NOT FOR CIVIL USE

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

