

MISSION DATA CARD								
OPORD		Callsign		Mission		Date/Time		
412/2021		Lion 1		Training		222000NOV21		
Task	A2G JDAMs Rader Training						Freq	
AO	R61						134.0	
Departure				Recovery				
DREAM FOUR				ILS or LOC/DME X RWY 21L				
#	Callsign		Pilot		IFF	TCN	LSR	NET
-1	Lion 1-1		Nerkub		1331	41Y	1581	
-2	Lion 1-2		Cyking		1332	104Y	1582	
-3	Lion 1-3		Poet		1333	104X	1583	

LOADOUT			
A/A	3xA120C, A9X		GUN 100% HEI-T
A/G	4xG12		CHF 60
POD	TGP		FLR 60
TKS	2xFT300		FUEL 100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	11169				

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	DREAM	LAS 354/66 BLD 342/71 (N37 10.340 W114 59.530)	20000	
2	T61.01	N37 09.575 W115 25.575	20000	
3	T61.03	N37 09.087 W115 23.513	20000	

NOTES

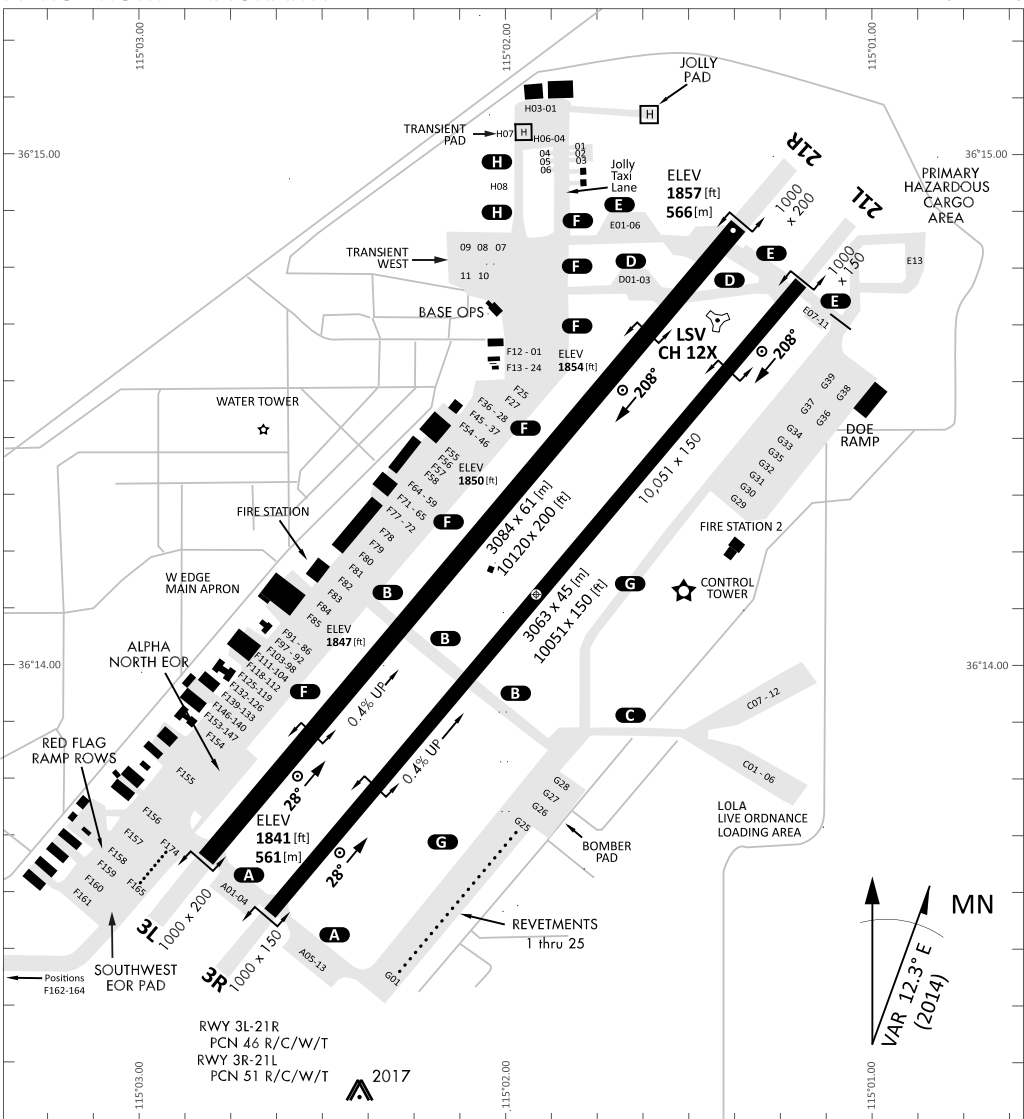
ACHTUNG Load Anpassen auf "GBU-38"x4

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Edelweiss 2	Training	3x F-16C	261.25	21/84		156X
	AO		Task	IFR, AAR, Formation		
Edelweiss 1	Training	3x F/A-18C	261.25	21/84		156X
	AO		Task	IFR, AAR, Formation		
Edelweiss 3	Training	3x F-14B	261.25	21/84		156X
	AO		Task	IFR, AAR, Formation		
Edelweiss 6	Training	2x A-10C	134.65	21/84	40	166X
	AO	Elgin	Task	AAR & Formation Training (Night)		
Monster 1	Training	3x A-10C	132.15	25/88	21	161X
	AO	R64	Task	Buddy Lasing with Mavericks		
T-Rex 2	Training	2x A-10C	132.25	27/90	25	165X
	AO	R63	Task	Buddy Lasing with Mavericks		
Panther 5	Training	4x F/A-18C	261.35	31/94		157X
	AO	North War/ SA-11 active	Task	Training PreBriefed HARM		

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	H	A	R	M	I	N	G	L	Y	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	XMUA	KGB	HYD	FE	TO	LWN	VC	IJ	PQ	RS
B	LCDO	FUA	KJP	HV	XB	TMI	EY	SG	NR	QW
C	IUSY	HAX	NKJ	WD	OT	QRP	BF	GL	CM	EV
D	TPNI	XKE	FAO	UW	JY	QSM	GH	VB	CR	DL
E	FOWK	CVG	QMJ	BD	PE	RUA	NS	IY	LT	XH
F	FPSB	TIC	EDX	JY	QA	WGM	KV	NH	OU	RL
G	TNFB	RIA	VKE	CO	XY	HMD	LJ	GU	QS	WP
H	VXIH	BNF	OAT	PY	LK	RJE	DM	GU	SQ	CW
I	MXWY	HKB	CFJ	LR	QE	DUN	GA	OV	ST	PI
J	MTWQ	BVR	UDA	FG	YN	OHX	IC	KJ	LE	SP
K	AYOL	QDS	JFW	VR	XB	PKT	UI	EH	NM	CG
L	BMPL	XQR	FKJ	IN	EW	TGY	US	HV	CD	OA
M	GXVD	KUB	FRP	MT	NW	HSE	QY	OJ	CL	AI
N	HRAV	WJS	MIT	QL	PF	BYK	CU	NX	OD	EG
O	GXMT	BRN	HJQ	EL	VA	KPS	IO	WC	YF	DU
P	TIPN	JXH	OVL	DU	MB	CRY	GW	QS	FK	EA
Q	DATO	SLN	CUH	YM	WJ	RKP	QV	XI	EF	BG
R	HXLT	GWV	YPA	NF	KU	SOR	BC	MI	JD	QE
S	CVKM	ROE	FDW	XG	YU	SQT	IL	JN	PB	HA
T	LVIT	OYC	RPK	BJ	UD	EXW	MQ	HN	SF	GA
U	RCPL	BUD	ETG	SW	IO	HNA	XY	KM	JF	VQ
V	DMCT	LXE	UFI	SQ	AO	GYB	RH	KN	JW	PV
W	TKXQ	RWS	BNI	CH	AU	YOM	FD	LJ	EG	PV
X	FGWE	CJA	PTD	KY	MO	HRN	BQ	LV	XI	SU
Y	JQGL	FHW	OKU	BA	VP	IRS	YE	MN	DX	CT

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

DREAM
N3710.34
W11459.53

MINTT
LAS 351/38
17,000

Rwy	Knots	60	120	180	240	300	360
* 3 L (a)	V/V(fpm)	269	538	807	1076	1345	1614
* 3 R (b)	V/V(fpm)	245	490	735	980	1225	1470
† 3 L (c)	V/V(fpm)	498	996	1494	1992	2490	2988
† 3 R (c)	V/V(fpm)	496	992	1488	1984	2480	2976
* 21 L (d)	V/V(fpm)	389	778	1167	1556	1945	2334
* 21 R (d)	V/V(fpm)	395	790	1185	1580	1975	2370
† 21 L (c)	V/V(fpm)	453	906	1359	1812	2265	2718
† 21 R (c)	V/V(fpm)	457	914	1371	1828	2285	2742

* Minimum † ATC Climb Rate

- (a) to 3600
- (b) to 3100
- (c) to 17,000
- (d) to 8500

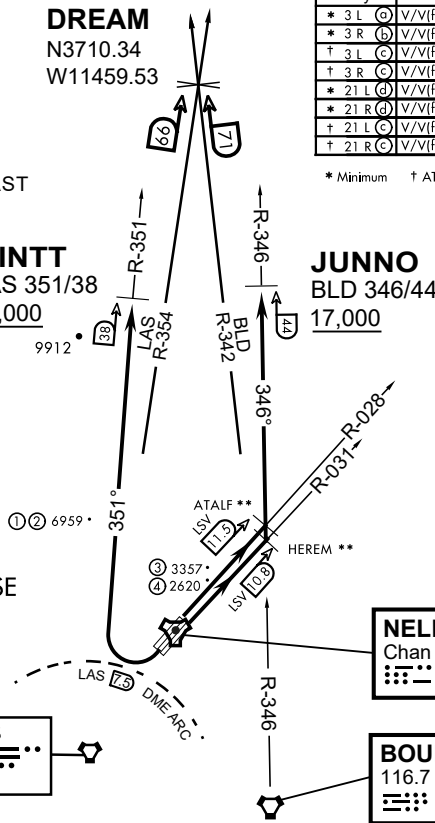
** Lead DME:
ATALF - LSV 9.5
HEREM - LSV 8.8

- ① 12.24 NM from Rwy 21R
- ② 12.40 NM from Rwy 21L
- ③ 5.67 NM from Rwy 3L
- ④ 5.85 NM from Rwy 3R

NOT FOR CIVIL USE

CAUTION: If unable to comply with restrictions advise ATC prior to departure.

LAS VEGAS
116.9 LAS
Chan 116



NELLIS
Chan 12 LSV

BOULDER CITY
116.7 BLD
Chan 114

VAR 12.3°E



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 3L

- Fly runway heading to intercept the LSV TACAN R-028 then direct ATALF, intercept the BLD VORTAC R-346 then direct JUNNO, cross JUNNO at or above 17,000, then via assigned route.

TAKE-OFF RWY 3R

- Fly runway heading to intercept the LSV TACAN R-031 then direct HEREM, intercept the BLD VORTAC R-346 then direct JUNNO, cross JUNNO at or above 17,000, then via assigned route.

TAKE-OFF RWY 21L/R

- Turn right to intercept LAS VORTAC R-351 outbound. Remain North of LAS 7.5 DME turning Northbound. Intercept LAS R-351 between 5000 and 6000, do not proceed West of LAS R-351. Cross MINTT at or above 17,000, then via assigned route.

NOISE ABATMENT PROCEDURES: Fly acc. Nellis Noise Abatement instructions

LAS VEGAS, NEVADA

LAS VEGAS, NEVADA		21L	21R
LOC I-DIQ <u>109.1</u>	APCH CRS 209°	Rwy Idg 10,051	10,120
		TDZE 1865	1869
		Arpt Elev 1869	

AL-227 (USAF)

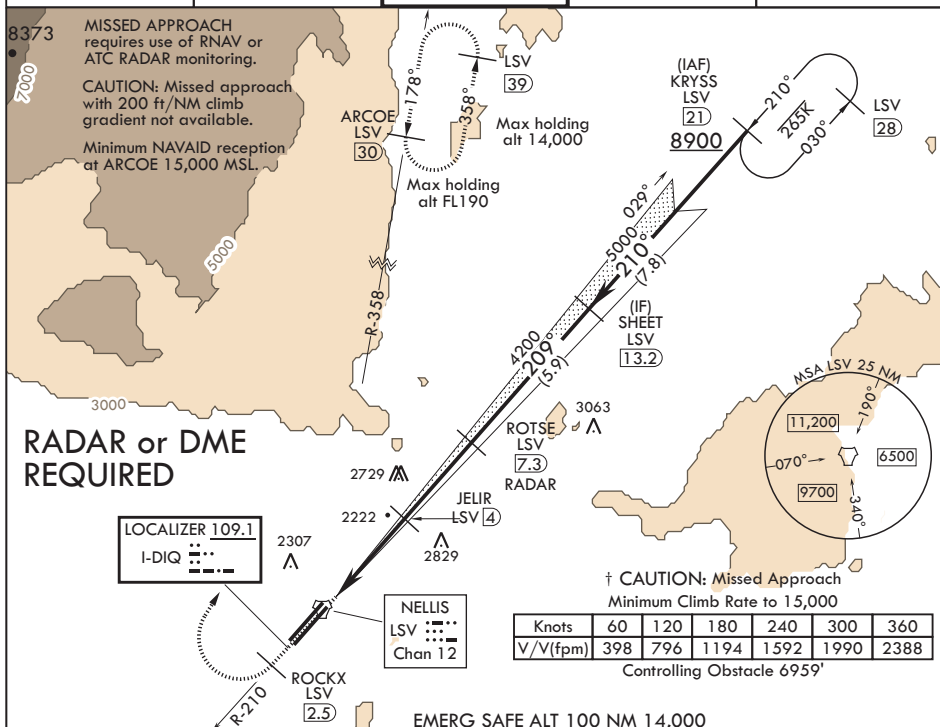
NELLIS AFB (KLSV)

T * When ALS inop, increase all CAT RVR to 40, vis to 3/4 mile.
 ** When ALS inop, increase CAT AB RVR to 55, vis to 1 mile, CAT CDE vis to 1 3/4 miles.
 *** Circling not authorized E of Rwy 3R-21L.

Rwy 21
ALSF-1

† MISSED APPROACH: Climb to 15,000, intercept LSV TACAN R-210 to 2.5 DME (ROCKX), then climbing right turn heading 020° to join LSV TACAN R-358 to ARCOE and hold, continue climb in hold to 15,000. Missed approach not for civil use.

ATIS 270.1	APP CON 124.95 273.55	TOWER 132.55 327.0	GND CON 121.8 275.8	CLNC DEL 120.9 289.4
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5,000 LSV R-210

ROCKX LSV 2.5

hdg 020°

VGSI and ILS glidepath not coincident (VGSI angle 3.00/TCH 54).

SHEET 13.2

KRYSS 21

ELEV 1869

TDZE 21L 1865

TDZE 21R 1869

209° 7.2NM from FAF

209° 210°

8900

5000

3140

4200

GS 3.00° TCH 50

TACAN

SESDE 6

JELIR 4

ROTSE 7.3

RADAR

Intcp Lc2r

LOC only

0.4 3.4 NM 3.3 NM

CATEGORY	A	B	C	D	E
S-ILS 21L*	2065/24		200	(200-1/2)	
S-LOC 21L**	2480/24 615 (700-1/2)		2480-1 615	(700-1 3/4)	
SIDESTEP 21R	2500-1 631 (700-1)		2500-1 631	(700-1 3/4)	

CIRCLING ***	2480-1 611 (700-1)	2620-1 751 (800-1)	2620-2 751 (800-2 1/4)	2840-3 971 (1000-3)	3040-3 1171 (1200-3)
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HIRL all Rwy's

FAF to MAP 6.7 NM

Knots	60	90	120	150	180
Min/Sec	6:42	4:28	3:21	2:41	2:18

LAS VEGAS, NEVADA

36°14'N - 115°02'W

NELLIS AFB (KLSV)

Amdt 9 03JAN19

ILS or LOC X RWY 21L

SW-4, 05 DEC 2019 to 02 JAN 2020

SW-4, 05 DEC 2019 to 02 JAN 2020



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

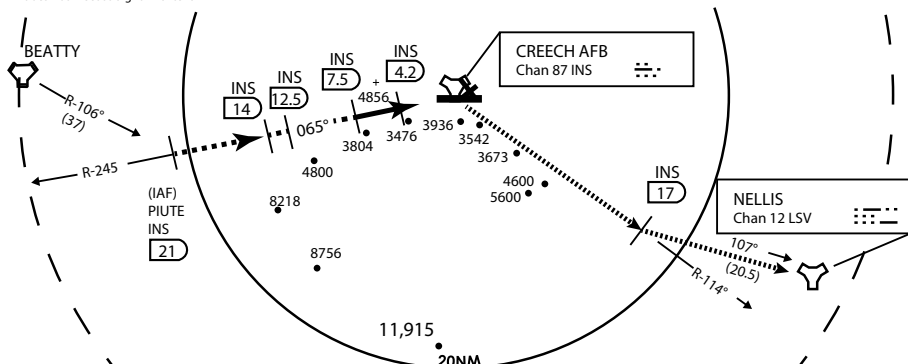
NOT FOR CIVIL USE

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



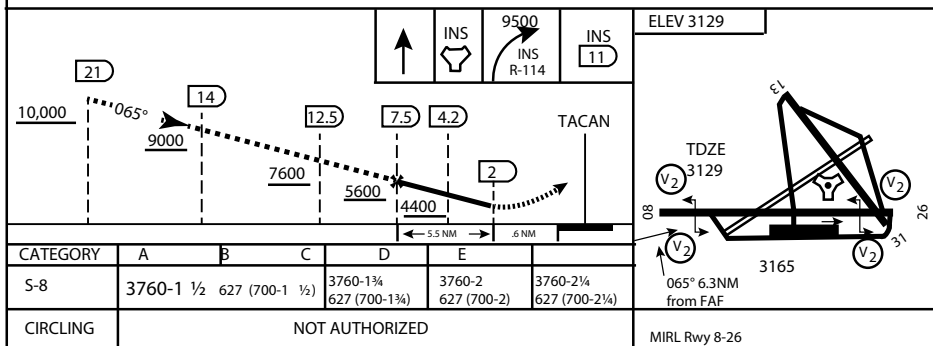
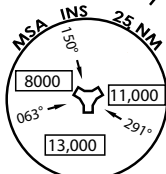
* CAUTION: Missed Approach Climb Rate to 4,700

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



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



