

**MISSION DATA CARD**

OPORD		Callsign		Mission		Date/Time	
3183/2024		Monster 1		Training		092000SEP24	
Task	GUN TRAINING					Freq	
AO	R64C					132.15	
Departure				Recovery			
FYTTR THREE				ILS or LOC/DME X RWY 21L			
#	Callsign	Pilot	IFF	TCN	LSR	NET	
-1	Monster 1-1	addiks	1411	1Y	1611	21/01	
-2	Monster 1-2	Lenzi	1412	64Y	1612	21/02	
-3	Monster 1-3	Marsy	1413	64X	1613	21/03	
-4	Monster 1-4	Toolface	1414	1X	1614	21/04	

**LOADOUT**

A/A	A9M	GUN	100% CM
A/G	7M282L	CHF	120
POD	A184, TGP	FLR	360
TKS		FUEL	70%

**TOLD**

	Takeoff	Target	Joker	Bingo	Land
FUEL	7760				

**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	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1

**FLIGHTPLAN**

#	Name	Navaid/Coords/DME	ALT	TOT
1	FYTTR	LSV 269/33 (N36 21.440 W115 41.470)		
2	Range 64C	N36 39.684 W115 42.200		
3	STRAFE LEFT	N36 41.638 W115 39.051		
4	STRAFE RIGHT	N36 41.601 W115 38.719		
5	Creech AFB	N36 35.200 W115 40.120		
6	STRYK	LSV 282/26 (N36 25.620 W115 30.700)	9500	
7	JORDN	N36 23.869 W115 14.590	9500	
8	GASS PEAK	LSV 309/12 (N36 24.140 W115 10.660)	8500	
9	APEX	LSV 027/09 (N36 21.580 W114 54.340)	4500	
10	PHINN	N36 18.427 W114 57.408	4000	
11	SIMNS	LSV 276/8 (N36 17.340 W115 10.750)	5500	
12	CRAIG	LSV 263/5.5 (N36 15.250 W115 08.270)	5000	
13	Nellis	N36 14.680 W115 01.500		

**COMMS**

Radio	Usage
1	132.15
2	11-3-4-16-11-4-3

## NOTES

### ### Communications

Command and Control: BLACKJACK

#### C&C Frequency

\* PRI (UHF): 377.800

\* SEC (VHF): 123.550

#### Tactical Frequency

\* PRI (UHF): 288.800

\* SEC (UHF): 268.000

### ### Description

Range 64C lies within the Desert National Wildlife Range and is a Class A range located in the southern portion of R-4806W, 43NM northwest of NAFB.

Highest elevation is approximately 4,000ft MSL.

Range 64C is controlled by an RCO, callsign "Fatness 64".

Aircrew will contact Fatness 64 after Blackjack advises "cleared tactical", and coordinate all range activity.

### ### Emergency Airfields

From center of Range 64C, Creech AFB is located 167° MAG heading for 3 NM and Nellis AFB is located 113° MAG heading for 38 NM.

### ### Range Targets

# Target	Elevation	MGRS
----------	-----------	------

Strafe Lane L2	3009	11S PA 20524 61772
----------------	------	--------------------

Strafe Lane R2	3005	11S PA 21020 61711
----------------	------	--------------------

### Attack Restrictions: Attack Heading: 355 degrees.

Waypoint: R64 W CIRCLE

Elevation: 3031

### ### Übung: A10GUN20 - IMC

Üben des Deployments bei schlechtem Wetter. In Kombination mit anderen Syllabi.

## OTHER FLIGHTS

Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Edelweiss 6	Training	2x A-10C	134.65	1/64	40	166X
AO	Nellis-Vegas-Nellis	Task	IFR-Route			
Raptor 1	Training	4x F-16C	134.0	1/64		162X
AO		Task				
Nazgul 6	Training	4x F-15E	262.45	21/84		156X
AO	R62 A20	Task	A/G Delivery			
Rattler 1	Training	2x AH-64D	133.5	1/64		125X
AO	LATNC	Task				
Raptor 2	Training	4x F-16C	134.0	1/64		162X
AO	blue route	Task	IFR Training Flight			
Edelweiss 5	Training	1x F/A-18C	134.65	1/64	40	166X
AO	R64	Task	A2G Delivery			
Edelweiss 4	Training	1x F/A-18C	264.45	1/64		174X
AO		Task				
Tiger 1	Training	4x F/A-18C	261.15	1/64	1	155X
AO	Range 74.06 and 74.08	Task	AG Bomb, AAR and Formation			
Raptor 3	Training	1x F-16C	134.0	3/66		162X
AO	blue route	Task	IFR Training Flight			

**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	R	E	M	A	T	I	O	N	S

**KTC 1400 C**

	0	1	2	3	4	5	6	7	8	9
A	YEBA	DQF	WGS	RJ	PH	TOI	XL	KU	CN	VM
B	LNXY	EPW	BQA	DG	IC	KOV	HF	RT	US	JM
C	GEXR	SHM	VCT	NQ	OP	UBW	ID	FA	LJ	KY
D	AQXO	BLN	EKD	IG	VM	HRF	UW	JT	PC	YS
E	QUXK	FPH	LMN	OI	ES	TRC	DW	AJ	GB	YV
F	XWCR	OJB	ANI	SG	YL	HQM	PK	UE	VF	DT
G	TMNC	JXH	FPG	DR	BK	EUO	AI	QY	WS	LV
H	MVOX	SQE	CUR	LY	NH	PGJ	WA	TB	DF	IK
I	QCJU	NYS	WGK	IP	RX	VOE	TL	HB	MF	AD
J	BVYR	HPM	EQW	FT	DI	NCJ	KG	LS	UA	XO
K	UDYH	AMK	QIX	OS	TG	CEJ	VN	FL	WR	PB
L	CNTQ	MHO	KPF	GR	JE	UYI	AD	VB	SL	XW
M	KAOU	SEF	QBR	LG	CN	TDI	WP	YJ	HV	XM
N	CIJE	NAD	TXO	FU	KQ	YPL	BS	VG	MR	WH
O	BXSP	RKO	NWF	VA	LQ	YEM	TU	HC	DJ	IG
P	TUNL	FBH	RIC	YK	GA	POQ	XW	ES	DV	JM
Q	BVUL	IWK	XNO	CR	SJ	FAE	YM	TP	GH	QD
R	JANU	BYX	QCP	KE	IF	WSR	LT	OD	MH	VG
S	WXCY	MVF	EBJ	SN	KR	HLU	PG	TO	DA	IQ
T	QYBH	LTF	MUV	JN	XR	ACK	SE	OW	PI	DG
U	QDCV	PLR	SXI	TM	YF	HWE	NG	JB	KU	OA
V	GYOV	LER	JTX	PI	SM	CDF	NA	UK	WQ	HB
W	RUYT	IQA	CVD	GH	NK	SFB	WM	LP	XO	JE
X	HCVK	DWS	YOB	QT	LX	UNF	PA	JM	GE	RI
Y	WNJK	PRO	ABH	QS	CM	IVE	FG	UT	YL	XD

## 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



RWY 3L-21R  
 PCN 46 R/C/W/T  
 RWY 3R-21L  
 PCN 51 R/C/W/T  
 2017

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 115° 01.058° W	1857 [ft] 566 [m]	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



**FYTTR THREE DEPARTURE** IFR CHART | VALID 2014 LAS VEGAS, NEVADA

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



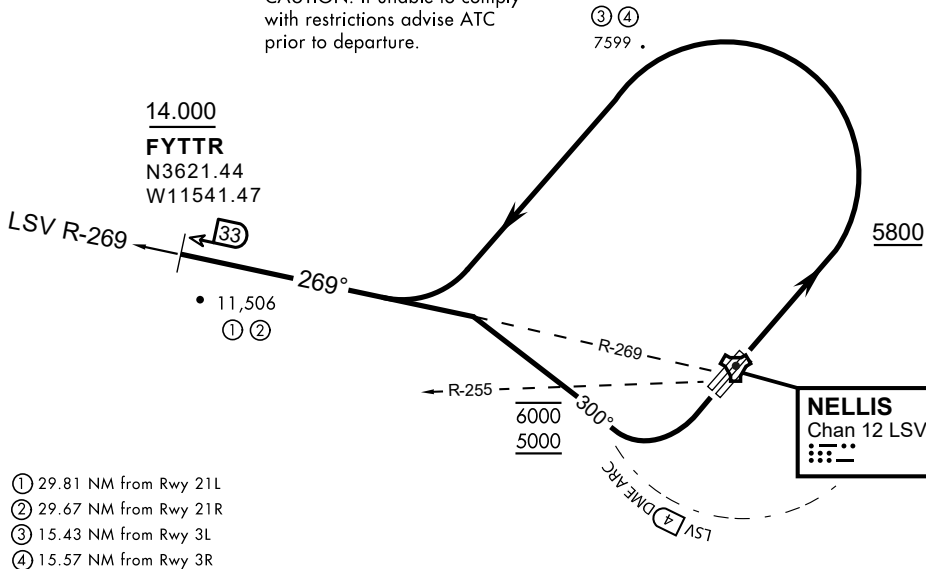
Rwy	Knots	60	120	180	240	300	360
3L (a)	V/V(fpm)	394	788	1182	1576	1970	2364
3R (a)	V/V(fpm)	392	784	1176	1568	1960	2352
21L (b)	V/V(fpm)	388	776	1164	1552	1940	2328
21R (b)	V/V(fpm)	390	780	1170	1560	1950	2340

Minimum Climb Rate

(a) to 9300

(b) to 13 500

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



- ① 29.81 NM from Rwy 21L
- ② 29.67 NM from Rwy 21R
- ③ 15.43 NM from Rwy 3L
- ④ 15.57 NM from Rwy 3R

**DEPARTURE ROUTE DESCRIPTION**

TAKEOFF RWY 3L/R

- Fly runway heading until reaching 5,800'.
- Then climbing left turn to intercept LSV TACAN R-269 outbound.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

TAKEOFF RWY 21L/21R

- Turn right to intercept LSV TACAN R-269 outbound.
- Remain within LSV 4 DME until joining LSV R-269
- Cross R-255 between 5,000' and 6,000'.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

**NOISE ABATEMENT PROCEDURES:**

Fly according Nellis Noise Abatement instructions as published

LAS VEGAS, NEVADA

# ILS or LOC X RWY 21L

LOC I-DIQ <b>109.1</b>	APCH CRS <b>209°</b>	Rwy ldg 21L <b>10,051</b>	21R <b>10,120</b>
		TDZE <b>1865</b>	<b>1869</b>
		Arprt Elev <b>1869</b>	

AL-227 (USAF)

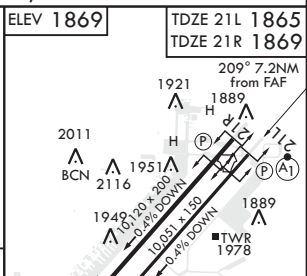
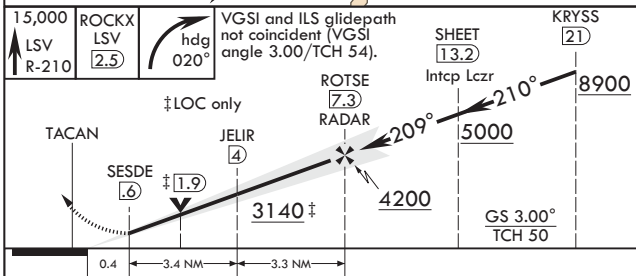
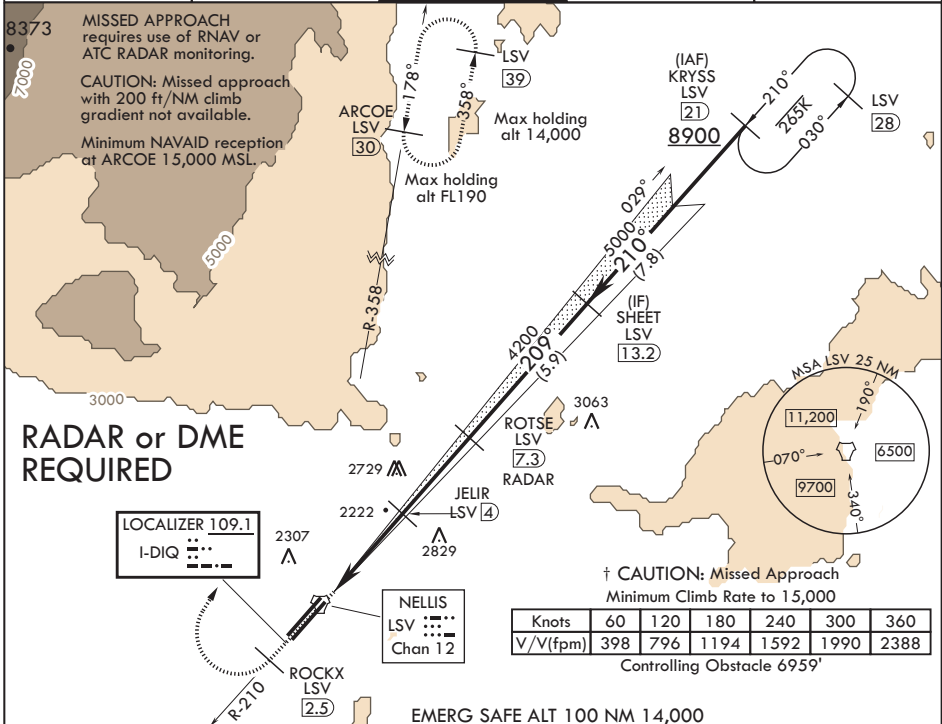
NELLIS AFB (KLSV)

⚠ \* 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.



† 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 <b>270.1</b>	APP CON <b>124.95 273.55</b>	TOWER <b>132.55 327.0</b>	GND CON <b>121.8 275.8</b>	CLNC DEL <b>120.9 289.4</b>
----------------------	---------------------------------	------------------------------	-------------------------------	--------------------------------



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 3/4	615	(700-1 3/4)
SIDESTEP 21R	2500-1	631 (700-1)	2500-1 3/4	631	(700-1 3/4)
CIRCLING***	2480-1 611 (700-1)	2620-1 751 (800-1)	2620-2 1/4 751 (800-2 1/4)	2840-3 971 (1000-3)	3040-3 1171 (1200-3)

HIRL all Rwys	⚠ 2022				
FAF to MAP 6.7 NM					
Knots	60	90	120	150	180
Min:Sec	6:42	4:28	3:21	2:41	2:14

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

# ILS or LOC/DME Z RWY 21L

LOC I-DIQ <b>109.1</b>	APCH CRS <b>207°</b>	Rwy ldg <b>10,055</b> TDZE <b>1866</b> Arpt Elev <b>1870</b>
---------------------------	-------------------------	--

AL-227 [USAF]

NELLIS AFB (KLSV)

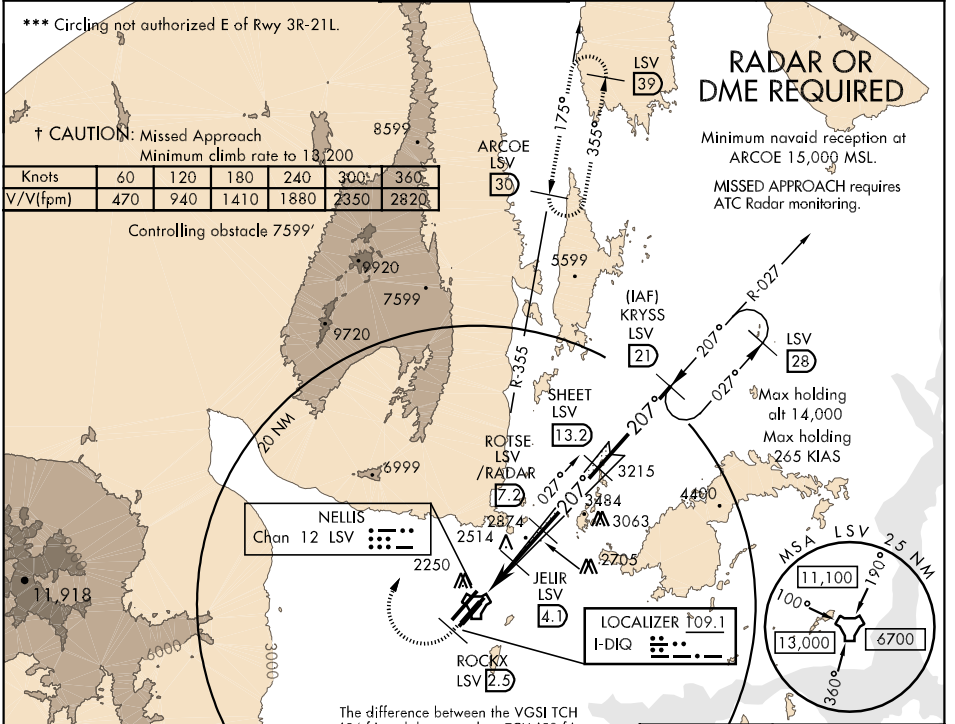
**▲** \* When ALS inop, increase CAT ABCDE RVR to 40, vis to 3/4 mile.  
**\*\*** When ALS inop, increase CAT AB RVR to 50, vis to 1 mile, CAT C vis to 1 1/2 miles, CAT D vis to 1 3/4 miles, CAT E vis to 2 miles.



**†** MISSED APPROACH: Climb to 15,000, heading 209° to 2.5 DME (ROCKX), then climbing right turn heading 020° to join LSV TACAN R-355 to ARCOE and hold, continue climb in hold to 15,000.

ATIS <b>270.1</b>	NELLIS APP CON <b>124.95 273.55</b>	NELLIS TOWER <b>132.55 327.0</b>	GND CON <b>121.8 275.8</b>	CLNC DEL <b>120.9 289.4</b>
----------------------	--	-------------------------------------	-------------------------------	--------------------------------

\*\*\* Circling not authorized E of Rwy 3R-21L.



## RADAR OR DME REQUIRED

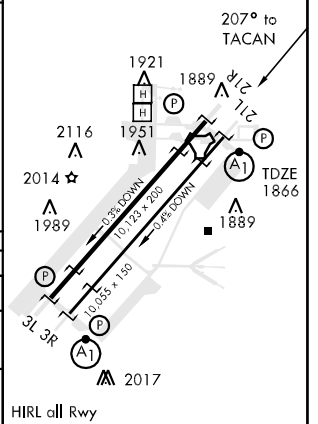
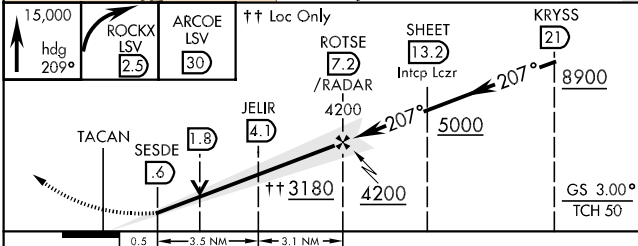
Minimum MSL reception at ARCOE 15,000.

MISSED APPROACH requires ATC Radar monitoring.

Knots	60	120	180	240	300	360
V/V(ftm)	470	940	1410	1880	2350	2820

Controlling obstacle 7599'

EMERG SAFE ALT 10.00 NM 14,000' ELEV 1870

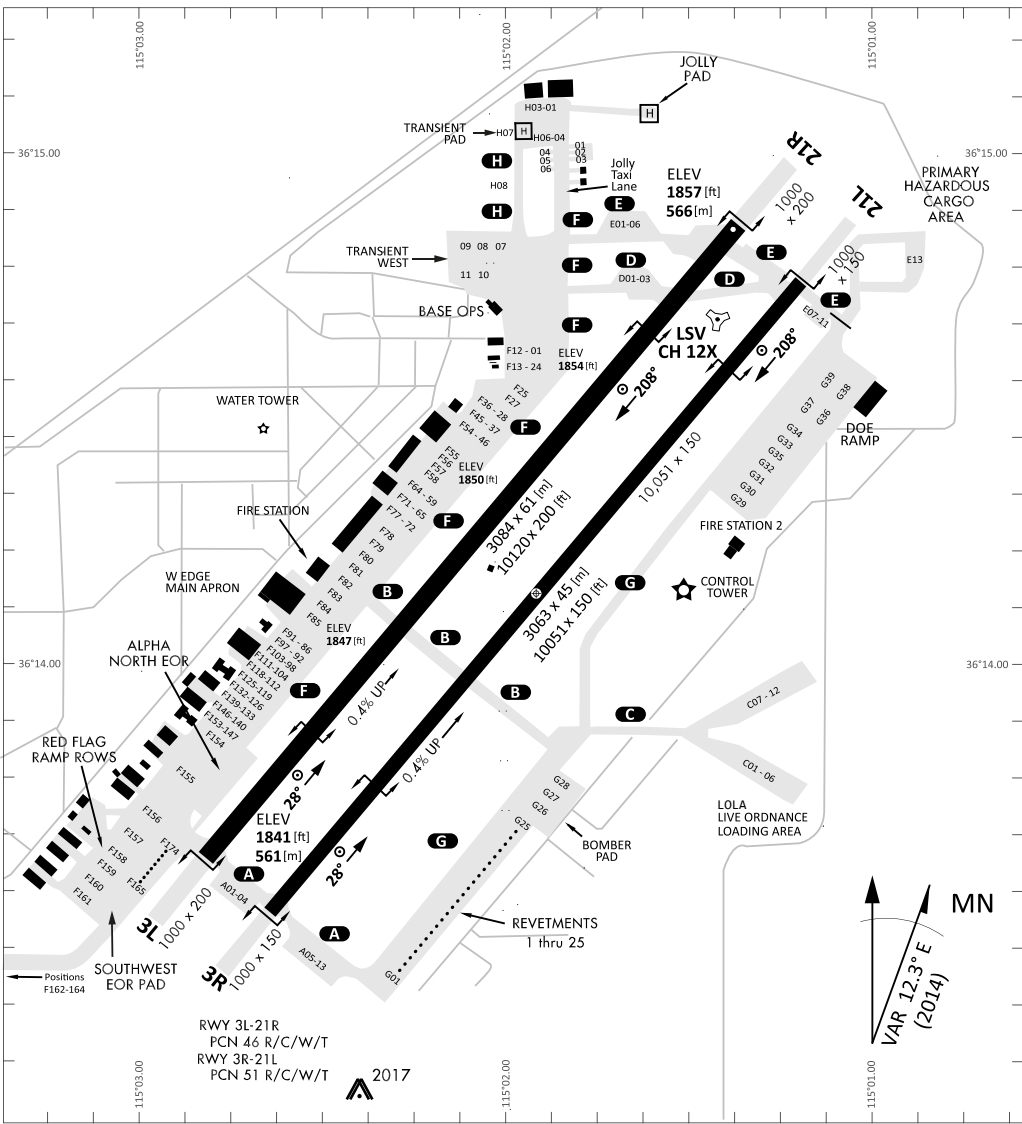


CATEGORY	A	B	C	D	E
S-ILS 21L *	2066/24		200	(200-1/2)	
S-LOC 21L **	2440/24 574 (600-1/2)		2440/50 574 (600-1)	2440/60 574 (600-1 1/4)	2440-1 1/2 574 (600-1 1/2)
CIRCLING ***	2480-1 610 (700-1)	2680-1 1/4 810 (900-1 1/4)	2680-2 1/4 810 (900-2 1/4)	2680-2 1/2 810 (900-2 1/2)	2940-3 1070 (1100-3)

# ILS or LOC/DME Z RWY 21L

SW-4, 23 SEP 2010 to 21 OCT 2010

SW-4, 23 SEP 2010 to 21 OCT 2010



RWY 3L-21R  
 PCN 46 R/C/W/T  
 RWY 3R-21L  
 PCN 51 R/C/W/T  
 2017

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 115° 01.058° W	1857 [ft] 566 [m]	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