

| MISSION DATA CARD |                                     |              |  |                          |     |             |     |
|-------------------|-------------------------------------|--------------|--|--------------------------|-----|-------------|-----|
| OPORD             |                                     | Callsign     |  | Mission                  |     | Date/Time   |     |
| 2113/2023         |                                     | Nazgul*      |  | Training                 |     | 072000SEP23 |     |
| Task              | IFR Navigation und ILS Wiederholung |              |  |                          |     | Freq        |     |
| AO                |                                     |              |  |                          |     | 261.25      |     |
| Departure         |                                     |              |  | Recovery                 |     |             |     |
| DREAM FOUR        |                                     |              |  | ILS or LOC/DME Z RWY 21L |     |             |     |
| #                 | Callsign                            | Pilot        |  | IFF                      | TCN | LSR         | NET |
| -2                | Nazgul*-2                           | Tank         |  | 1102                     | 84Y | 1562        |     |
| -3                | Nazgul*-3                           | Repsus/Lempo |  | 1103                     | 84X | 1563        |     |
| -4                | Nazgul*-4                           | Razorback    |  | 1104                     | 21X | 1564        |     |

| LOADOUT |         |      |                |
|---------|---------|------|----------------|
| A/A     |         | GUN  | 100%<br>SAPHEI |
| A/G     |         | CHF  | 240            |
| POD     | 5xMX648 | FLR  | 0              |
| TKS     | 2xFT610 | FUEL | 100%           |

| TOLD |         |        |       |       |      |
|------|---------|--------|-------|-------|------|
|      | Takeoff | Target | Joker | Bingo | Land |
| FUEL | 30518   |        | 5000  | 4000  |      |

| 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 |     |      |       |

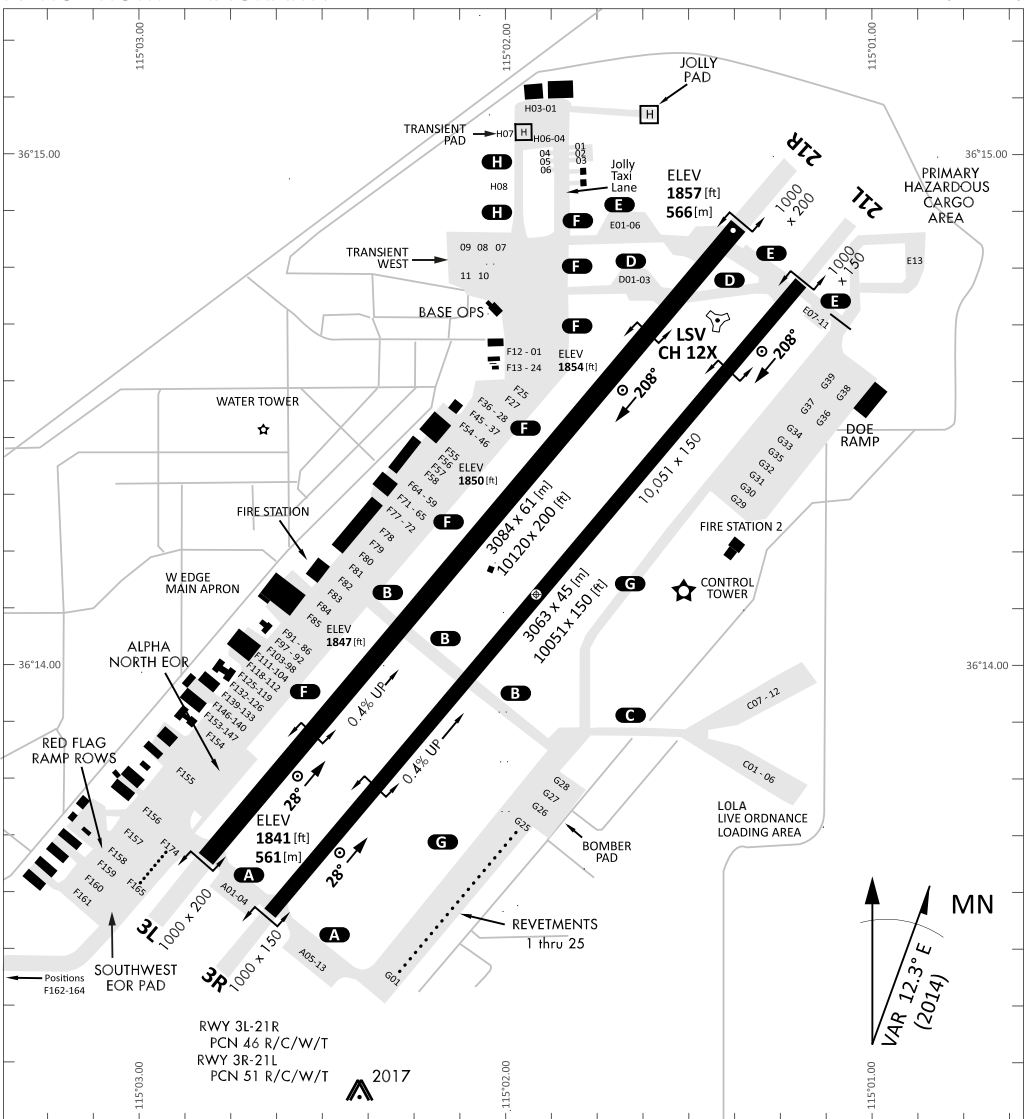
| FLIGHTPLAN |                        |                                                |       |     |
|------------|------------------------|------------------------------------------------|-------|-----|
| #          | Name                   | Navaid/Coords/DME                              | ALT   | TOT |
| 1          | DREAM                  | LAS 354/66 BLD 342/71 (N37 10.340 W114 59.530) | 35000 |     |
| 2          | St George              | N37 05.290 W113 35.530                         | 35000 |     |
| 3          | Lincoln County Airport | N37 47.321 W114 25.191                         | 35000 |     |
| 4          | ALAMO                  | N37 17.565 W115 07.730                         | 35000 |     |
| 5          | ARCOE                  | LSV 357/30 (N36 44.260 W114 55.020)            | 20000 |     |

| OTHER FLIGHTS |                  |              |                  |        |       |       |
|---------------|------------------|--------------|------------------|--------|-------|-------|
| Callsign      | Mission          | Airframe     | Freq             | TCN    | Grpld | Laser |
| Raptor 1      | Training         | 4x F-16C     | 134.0            | 21/84  |       | 156X  |
| AO            | R61              | Task         | Mav + TGP        |        |       |       |
| Vanguard 1    | Training         | 1x AV-8B N/A | 264.55           | 21/84  |       | 167X  |
| AO            |                  | Task         |                  |        |       |       |
| Tiger 1       | Training         | 4x F/A-18C   | 261.15           | 11/74  | 1     | 155X  |
| AO            | Lincoln Airfield | Task         | Deep Strike      |        |       |       |
| Monster 1     | Training         | 4x A-10C     | 132.15           | 25/88  | 21    | 161X  |
| AO            | Range 62         | Task         | Maverick & bombs |        |       |       |
| Edelweiss 6   | Training         | 2x A-10C     | 134.65           | 21/84  | 40    | 166X  |
| AO            |                  | Task         | BJT              |        |       |       |
| BamBam 2      | Training         | 2x AH-64D    | 133.5            | 21/84  |       | 156X  |
| AO            | LATNC            | Task         |                  |        |       |       |
| Tiger 2       | Training         | 4x F/A-18C   | 261.15           | 11/74  | 1     | 155X  |
| AO            | Lincoln Airfield | Task         | Deep Strike      |        |       |       |
| Lion          | Training         | 1x A-10C     | 261.45           | 41/104 |       | 158X  |
| 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  |    |
| P          | L    | A   | S   | T  | E  | R   | I  | N  | G  |    |
| KTC 1400 C |      |     |     |    |    |     |    |    |    |    |
|            | 0    | 1   | 2   | 3  | 4  | 5   | 6  | 7  | 8  | 9  |
| A          | PJTX | BMU | AYD | FH | GR | CKW | OQ | VL | IN | ES |
| B          | BSRK | UAM | TWX | LG | PN | FCE | QJ | OH | ID | VY |
| C          | WFIG | CBH | TYS | UD | OE | MVX | JK | AN | LQ | PR |
| D          | ENQL | OKJ | VBP | YH | UA | FXC | GM | SR | WD | TI |
| E          | AVWM | OHP | RJX | GQ | CS | TUB | KY | FN | LE | DI |
| F          | ULAR | VJN | YWS | MD | TP | COG | BX | KI | QE | HF |
| G          | NRUF | EYB | VGX | WC | LQ | ODH | KP | TM | AI | SJ |
| H          | HPBI | KST | YOM | ED | WQ | NXL | AU | GJ | RC | FV |
| I          | UGEK | QFP | IWD | VO | AN | BCH | JL | XM | YR | TS |
| J          | GSXK | HAU | YFW | QL | EV | NIP | JD | MC | TO | BR |
| K          | BCOM | VYW | UQS | NA | JD | EFH | LK | XI | TP | RG |
| L          | AHWR | MLK | TQC | FU | BJ | EPD | VO | YX | IN | GS |
| M          | LIKX | AGS | BYR | WQ | UC | EOJ | TN | HP | FV | DM |
| N          | FBJI | WVL | NUQ | RY | CS | OTP | GD | EA | XH | MK |
| O          | JIYL | KQX | CTR | BO | AU | DWE | NM | PS | GF | HV |
| P          | ACEX | KLQ | TIJ | DS | PN | OGH | VR | WM | BU | FY |
| Q          | FLXK | WCY | VIN | GH | EA | RJS | OU | QT | BM | PD |
| R          | JLCU | OST | ARD | YW | IV | KPQ | FG | NB | EM | XH |
| S          | LQVY | GWM | SRN | FI | KA | EDP | BU | HX | CJ | TO |
| T          | MKXC | SIO | YUE | FR | LP | VNT | WJ | QB | GH | AD |
| U          | LPCJ | AHR | EUQ | TD | OV | KBW | XS | FN | MG | IY |
| V          | POLF | UXV | GYI | HT | JN | RWK | ME | BA | CQ | DS |
| W          | TRYW | DHG | PNA | BM | UK | ECV | JF | OQ | LI | XS |
| X          | FGQI | WOH | VMR | PY | JE | CXS | BL | DN | TA | KU |
| Y          | UMID | GXF | NHE | CV | LY | BRK | OT | QW | SJ | AP |

| 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<br>36° 14.060' N<br>115° 01.058' W | ELEV<br>1857 [ft]<br>566 [m] | Scale 1:35'500 |                     |      |                          |      |             |             |
|             | 21L | A B D E             | 2057 - Q.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     |

DREAM FOUR DEPARTURE

DREAM4 | VALID 2014

NELLIS AFB (KLSV)  
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

**DREAM**  
N3710.34  
W11459.53

**MINTT**  
LAS 351/38  
17,000

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

\* Minimum † ATC Climb Rate

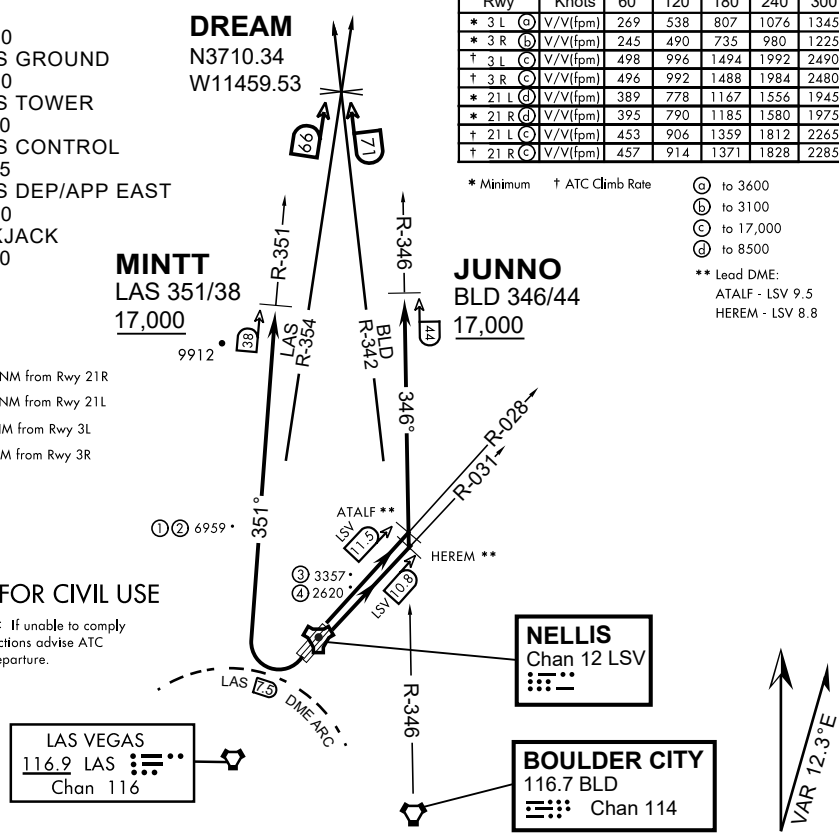
(a) to 3600  
(b) to 3100  
(c) to 17,000  
(d) to 8500

\*\* 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.



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.

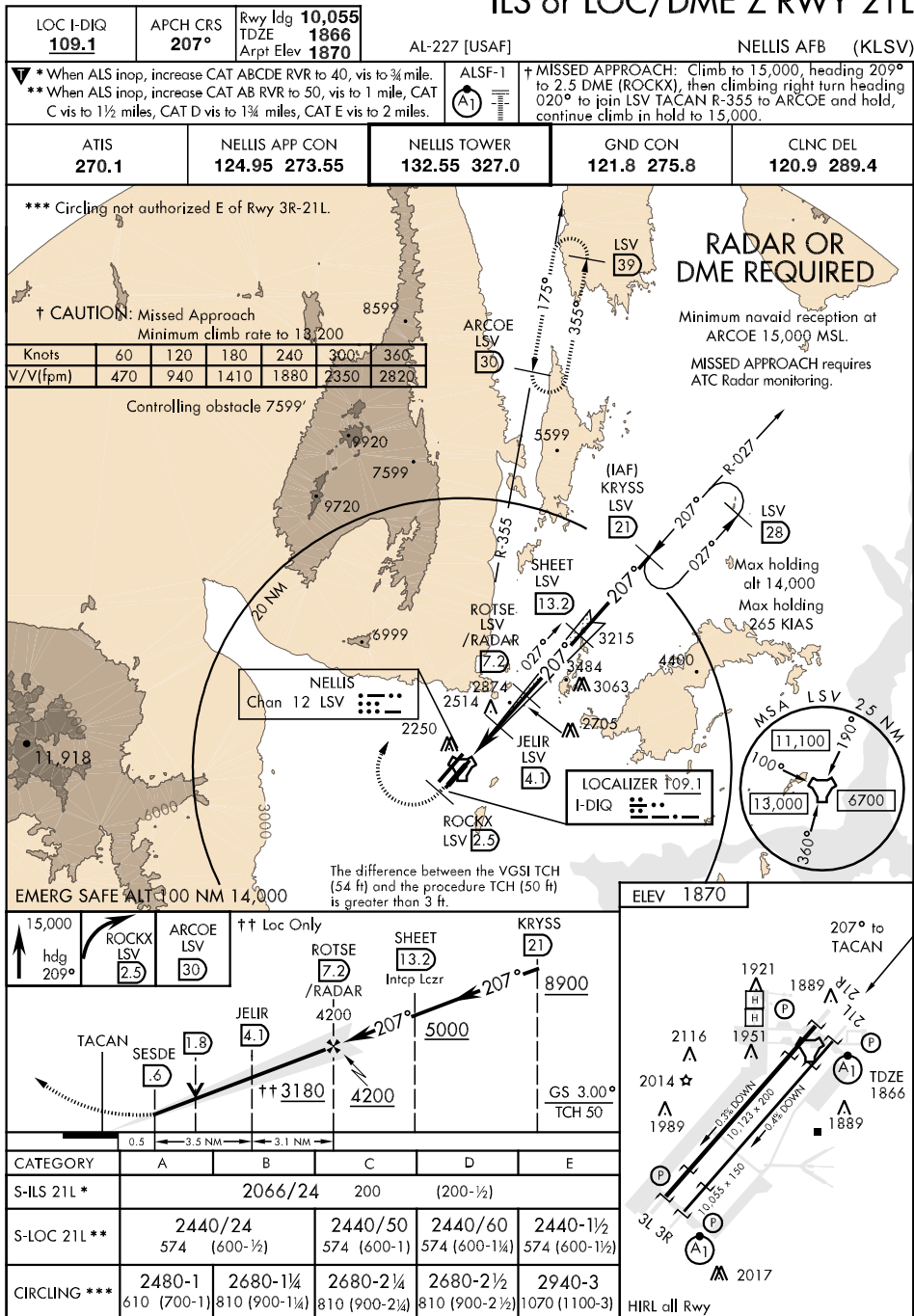
TAKE-OFF RWY 3R

- 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





INDIAN SPRINGS, NEVADA

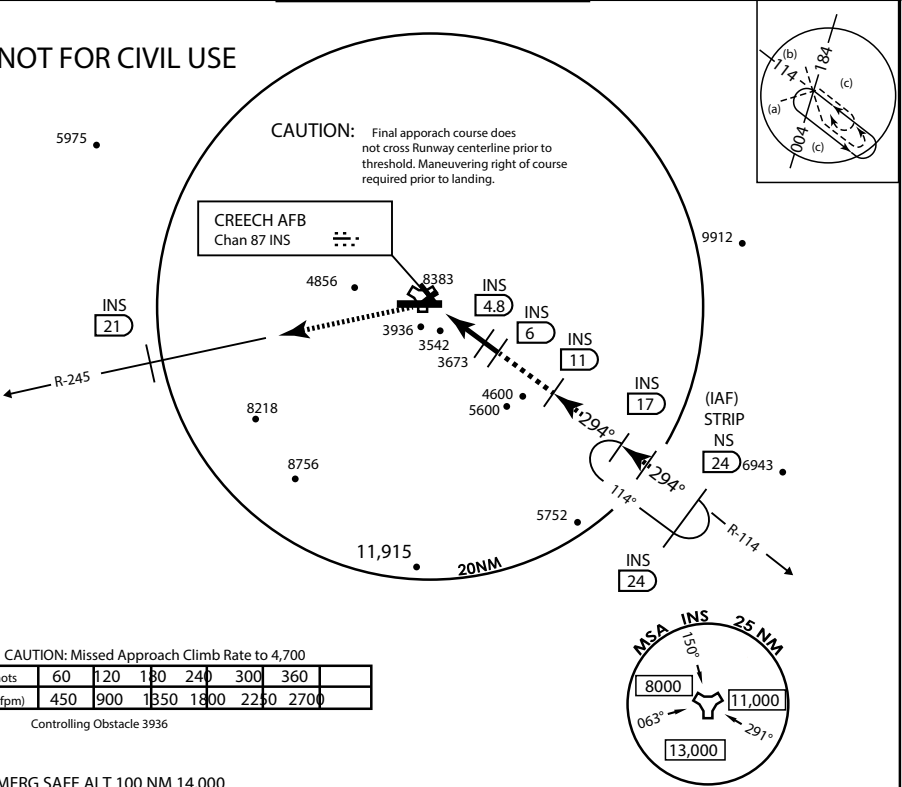
|                      |                   |                              |                      |
|----------------------|-------------------|------------------------------|----------------------|
| TACAN INS<br>Chan 87 | APCH CRS<br>294 ° | Rwy Idg<br>TDZE<br>Arpt Elev | 9002<br>3133<br>3113 |
|----------------------|-------------------|------------------------------|----------------------|

INDIAN SPRINGS AF AUX (KINS)

\* MISSED APPROACH: Direct INS then outbound INS t8-2#DME climbing to 10,000.

|                 |                                        |              |
|-----------------|----------------------------------------|--------------|
| NELLIS CON<br>- | INDIAN SPRINGS TOWER<br>118.30 1360.60 | GND CON<br>- |
|-----------------|----------------------------------------|--------------|

NOT FOR CIVIL USE

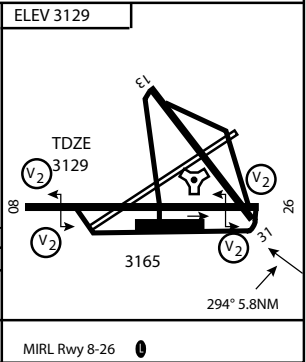
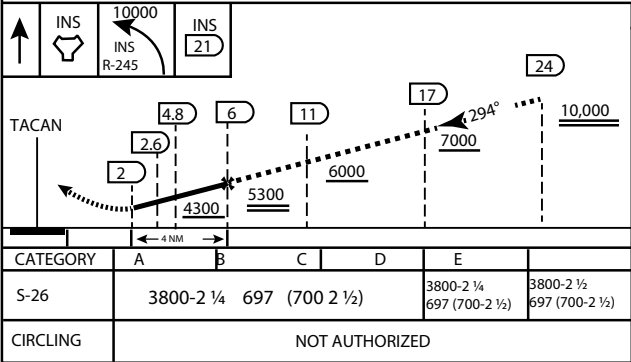


\* CAUTION: Missed Approach Climb Rate to 4,700

|           |     |     |      |      |      |      |  |
|-----------|-----|-----|------|------|------|------|--|
| Knots     | 60  | 120 | 180  | 240  | 300  | 360  |  |
| V/V (fpm) | 450 | 900 | 1350 | 1800 | 2250 | 2700 |  |

Controlling Obstacle 3936

EMERG SAFE ALT 100 NM 14,000



CITY OF INDIAN, NEVADA

INDIAN SPRINGS AF AUX (KINS)

Modified by vJaBoG 66 for use with DCS

Modified by vJaBoG 66 for use with DCS

NOT FOR REAL LIFE NAVIGATION



