

**MISSION DATA CARD**

| OPORD       |                     | Callsign  |      | Mission                     |      | Date/Time   |  |
|-------------|---------------------|-----------|------|-----------------------------|------|-------------|--|
| 3291/2024   |                     | Monster 1 |      | Training                    |      | 102000OCT24 |  |
| Task        | Illumination Flares |           |      |                             |      | Freq        |  |
| AO          | Range 62            |           |      |                             |      | 132.15      |  |
| Departure   |                     |           |      | Recovery                    |      |             |  |
| FYTTR THREE |                     |           |      | HI-ILS or LOC/DME Z RWY 21L |      |             |  |
| #           | Callsign            | Pilot     | IFF  | TCN                         | LSR  | NET         |  |
| -1          | Monster 1-1         | Lenzi     | 1431 | 1Y                          | 1611 | 21/01       |  |
| -2          | Monster 1-2         | addiks    | 1432 | 64Y                         | 1612 | 21/02       |  |
| -3          | Monster 1-3         | Stoner    | 1433 | 64X                         | 1613 | 21/03       |  |

**LOADOUT**

|     |                |      |         |
|-----|----------------|------|---------|
| A/A | 2xA9M          | GUN  | 100% CM |
| A/G | 7M282L, 2x8LU2 | CHF  | 120     |
| POD | A184L, 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 | Creech AFB | 87X | 290.45 | 275.8 | 360.6 |     |      |       |

**FLIGHTPLAN**

| #  | Name       | Navaid/Coords/DME                   | ALT   | TOT |
|----|------------|-------------------------------------|-------|-----|
| 1  | FYTTR      | LSV 269/33 (N36 21.440 W115 41.470) | 12000 |     |
| 2  | Creech AFB | N36 35.200 W115 40.120              | 12000 |     |
| 3  | T62.04     | N36 53.800 W115 27.064              | 12000 |     |
| 4  | ARCOE      | LSV 357/30 (N36 44.260 W114 55.020) | 15000 |     |
| 5  | RONKY      | N36 39.332 W114 56.110              | 15000 |     |
| 6  | WISTO      | N36 35.388 W114 56.977              | 12500 |     |
| 7  | OLNIE      | N36 34.989 W114 54.756              | 8900  |     |
| 8  | KRYSS      | N36 30.369 W114 44.190              | 8900  |     |
| 9  | SHEET      | N36 24.532 W114 50.652              | 5000  |     |
| 10 | ROTSE      | N36 20.025 W114 55.561              | 4200  |     |
| 11 | JELIR      | N36 17.482 W114 58.326              | 3140  |     |
| 12 | SESDE      | N36 15.072 W115 00.943              | 3140  |     |

**COMMS**

| Radio | Usage                        |
|-------|------------------------------|
| 1     | 132.15                       |
| 2     | 11 - 3 - 4 - 16 - 11 - 4 - 3 |
| 3     | 32.00                        |

## NOTES

### Illumination Flares Training

1. Battlefield Illumination der Creech AFB im Dome Verfahren. Erst Wingmen, dann Flight Lead, ohne Beschuss.
2. Combat Illumination feindliche Fahrzeuge ausleuchten Area T62.04 durch Flight Lead.  
Beschuss der generischen Fahrzeuge mit Gun durch den (die) Wingmen und im zweiten Anlauf Rollentausch.
3. Wenn wir schnell durchkommen, geht es noch zum Tanker, wenn nicht, dann zurück nach Nellis.

## OTHER FLIGHTS

| Callsign    | Mission               | Airframe   | Freq                       | TCN   | Grpld | Laser |
|-------------|-----------------------|------------|----------------------------|-------|-------|-------|
| Raptor 1    | Training              | 2x F-16C   | 134.0                      | 1/64  |       | 162X  |
| AO          | Range 61              | Task       | LGB Training               |       |       |       |
| Raptor 2    | Training              | 2x F-16C   | 134.25                     | 1/64  |       | 163X  |
| AO          | Range 61              | Task       | LGB Training               |       |       |       |
| Edelweiss 3 | Training              | 4x F/A-18C | 264.35                     | 1/64  |       | 173X  |
| AO          |                       | Task       | Bewerber Flug              |       |       |       |
| T-Rex 1     | Training              | 3x A-10C   | 132.25                     | 1/64  | 23    | 159X  |
| AO          |                       | Task       | Illumination Flares        |       |       |       |
| Edelweiss 1 | Training              | 2x F/A-18C | 264.15                     | 12/75 | 1     | 171X  |
| AO          | Beatty                | Task       | BJT Check Ride             |       |       |       |
| Edelweiss 4 | Training              | 1x F/A-18C | 264.45                     | 1/64  |       | 174X  |
| AO          |                       | Task       |                            |       |       |       |
| Tiger 1     | Training              | 2x 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              | 3x F-16C   | 134.5                      | 1/64  |       | 164X  |
| AO          | Range 61              | Task       | LGB Training               |       |       |       |
| Nasty 6     | Training              | 4x AH-64D  | 133.5                      | 1/64  |       | 173X  |
| AO          |                       | Task       |                            |       |       |       |
| Nazgul 6    | Training              | 4x F-15E   | 262.45                     | 1/64  |       | 156X  |
| AO          |                       | Task       | Formation & AAR            |       |       |       |
| Beast 4     | Training              | 1x A-10C   | 132.75                     | 1/64  | 30    | 170X  |
| AO          | Nellis AFB            | Task       | PAR                        |       |       |       |
| Raptor 3    | Training              | 3x F-16C   | 134.5                      | 1/64  |       | 164X  |
| AO          | Range 61              | Task       | LGB Training               |       |       |       |

**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**

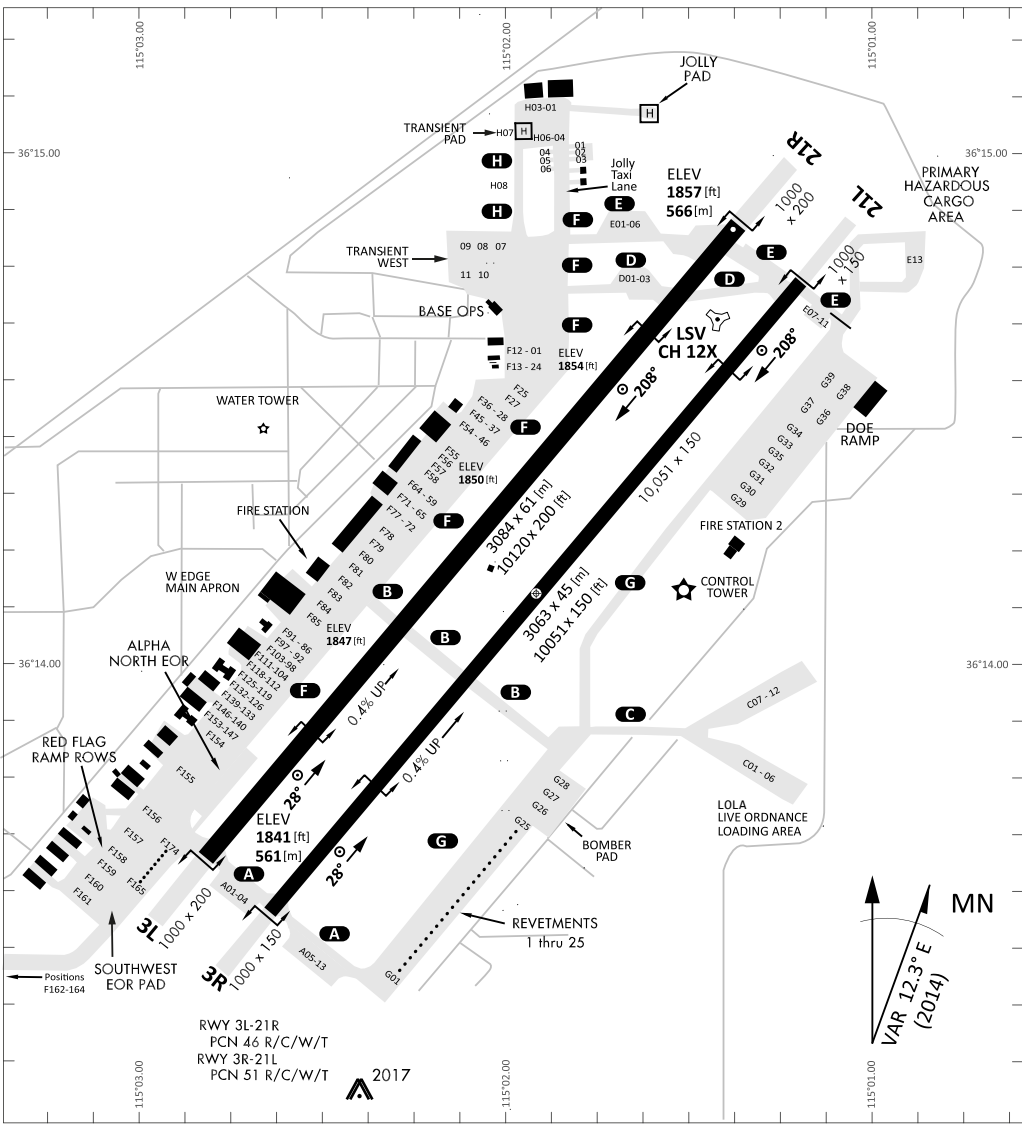
|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| B | O | L | S | T | E | R | I | N | G |

**KTC 1400 C**

|   | 0    | 1   | 2   | 3  | 4  | 5   | 6  | 7  | 8  | 9  |
|---|------|-----|-----|----|----|-----|----|----|----|----|
| A | AXHV | SBN | IYU | KP | TC | LQW | MO | EJ | FG | RD |
| B | OMVP | FNA | XLC | RT | GS | BJI | HD | KU | YW | QE |
| C | PSOJ | HVC | NEX | KI | UB | DYL | WM | GR | AF | QT |
| D | RIVM | OWE | UJK | CD | QA | PXL | YB | GF | SN | TH |
| E | VBKO | RAW | HLD | QE | JS | XCP | FI | MU | TG | YN |
| F | JRIY | NMU | WLK | AD | PO | CHX | GV | QE | FT | BS |
| G | SMPD | UTH | LBR | WE | KA | GNC | VQ | OY | JI | FX |
| H | PQYV | DKB | UXE | TL | MR | CSG | WJ | HA | FO | IN |
| I | LRUI | ETB | OGW | FN | PQ | CVA | XM | YK | JS | HD |
| J | VEXH | JAF | GKB | PT | UR | CQI | DY | SM | LO | WN |
| K | VTKR | YOB | SUP | EW | JX | INC | AM | HL | DG | FQ |
| L | YIVS | OEK | WNL | XG | TQ | MUH | PC | RB | JA | FD |
| M | UVIA | PGM | XKF | CL | JO | QNT | ED | RB | SY | HW |
| N | WFKB | PXM | ULG | CH | JA | EST | OV | ID | RN | QY |
| O | GPMX | OKY | HNQ | LW | UT | DFV | BJ | CR | EA | SI |
| P | DLJI | FHM | XVA | SR | EO | BYT | GQ | KP | CU | WN |
| Q | DONU | THP | FXG | AJ | IK | EWY | BV | QM | SR | LC |
| R | DXBS | EHN | YPU | CM | IV | KFL | TW | OJ | GR | QA |
| S | EUDV | LPJ | XFG | OQ | HR | IMT | AB | CS | WY | NK |
| T | WLHB | NQP | KDV | RY | CT | XGF | AE | IU | SO | MJ |
| U | CLSF | JHK | BIW | TV | PD | OGA | RE | XM | YQ | UN |
| V | JHBR | QNP | AWM | GX | VL | TSI | CO | KD | YE | FU |
| W | WETC | OSI | JUH | KV | DY | GAX | RN | MP | LF | BQ |
| X | PFRB | QGU | DXL | CT | MY | KSJ | IN | EO | VH | WA |
| Y | URMH | CIX | NDW | GT | LK | OYS | FQ | JP | VB | EA |

**NAVAIDS**

| <b>Id</b> | <b>Name</b>   | <b>Channel</b> | <b>Position</b>    | <b>Elevation</b> |
|-----------|---------------|----------------|--------------------|------------------|
| 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<br>115° 01.058° W | 1857 [ft]<br>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



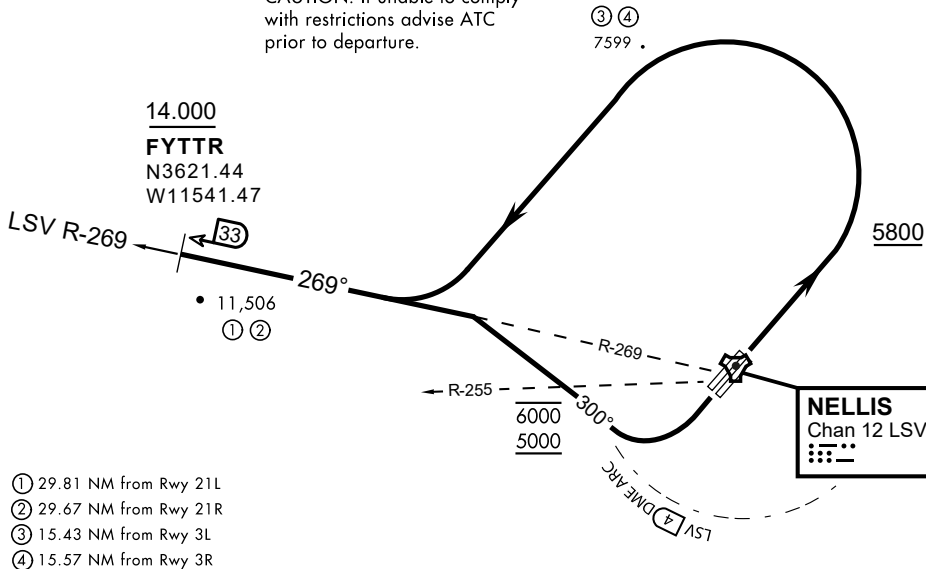
| Rwy     | Knots    | 60  | 120 | 180  | 240  | 300  | 360  |
|---------|----------|-----|-----|------|------|------|------|
| 3L (a)  | V/V(fpm) | 394 | 788 | 1182 | 1576 | 1970 | 2364 |
| 3R (a)  | V/V(fpm) | 392 | 784 | 1176 | 1568 | 1960 | 2352 |
| 21L (b) | V/V(fpm) | 388 | 776 | 1164 | 1552 | 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

# HI-ILS or LOC Z RWY 21L

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

JAL-227 (USAF)

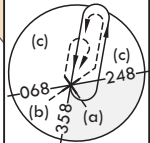
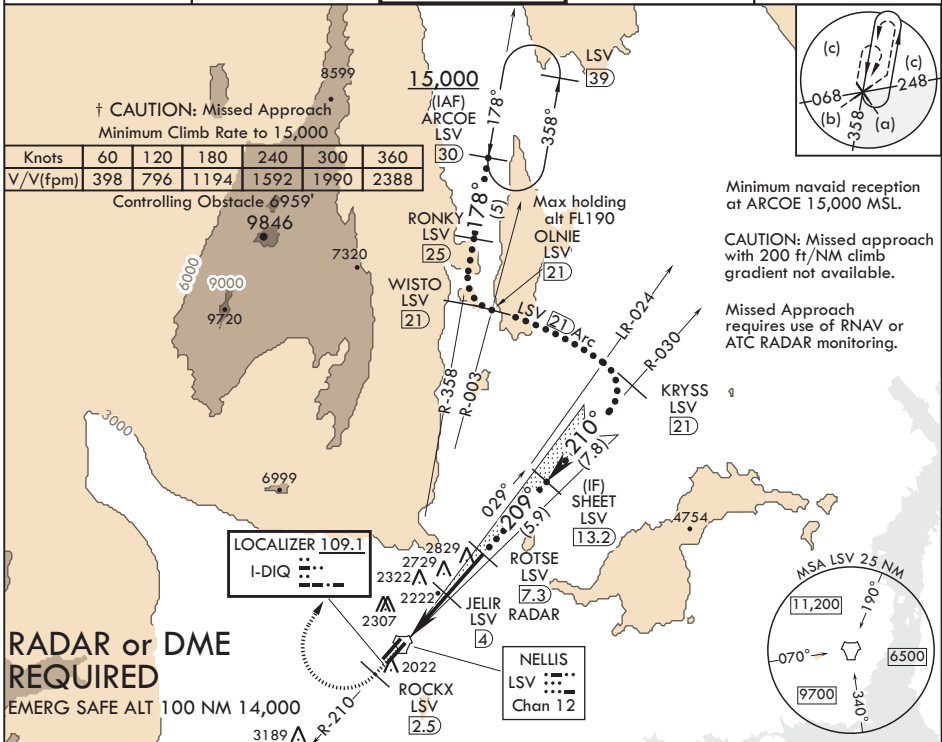
NELLIS AFB (KLSV)

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



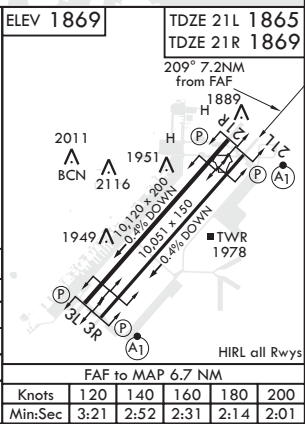
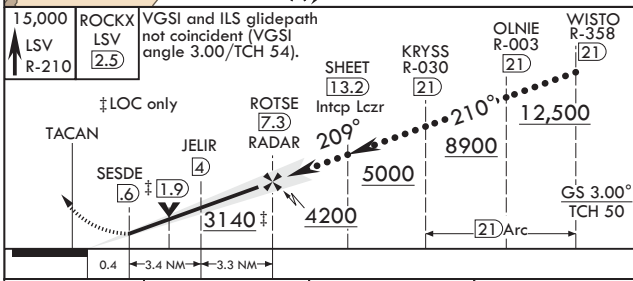
† MISSED APPROACH: Climb to 15,000, intercept LSV TACAN R-210 to 2.5 DME (ROCKX), then climbing right turn heading 020° to join LSV R-358 to ARCOE and hold, continue climb-in-hold to 15,000. Missed approach not for civil use.

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



Minimum navaid reception at ARCOE 15,000 MSL.  
 CAUTION: Missed approach with 200 ft/NM climb gradient not available.  
 Missed Approach requires use of RNAV or ATC RADAR monitoring.

**RADAR or DME REQUIRED**  
 EMERG SAFE ALT 100 NM 14,000



| CATEGORY                                       | C                      | D                       | E           |
|--|------------------------|-------------------------|-------------|
| S-ILS 21L*                                     | 2065/24                | 200                     | (200-1/2)   |
| S-LOC 21L**                                    | 2480-1 3/8             | 615                     | (700-1 3/8) |
| SIDESTEP 21R                                   | 2500-1 3/4             | 631                     | (700-1 3/4) |
| † CIRCLING***<br>2620-2 1/4<br>751 (800-2 1/4) | 2840-3<br>971 (1000-3) | 3040-3<br>1171 (1200-3) |             |

LAS VEGAS, NEVADA 36°14'N - 115°02'W NELLIS AFB (KLSV)

# HI-ILS or LOC Z RWY 21L

| FAF to MAP 6.7 NM |      |      |      |      |      |
|-------------------|------|------|------|------|------|
| Knots             | 120  | 140  | 160  | 180  | 200  |
| Min:Sec           | 3:21 | 2:52 | 2:31 | 2:14 | 2:01 |

SW-4, 05 DEC 2019 to 02 JAN 2020

SW-4, 05 DEC 2019 to 02 JAN 2020



INDIAN SPRINGS, NEVADA

|                      |                  |                         |              |
|----------------------|------------------|-------------------------|--------------|
| TACAN INS<br>Chan 87 | APCH CRS<br>065° | Rwy ldg<br>TDZE<br>3133 | 9002<br>3113 |
|                      |                  | Arpt Elev<br>3113       |              |

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 60.60

GND CON

**NOT FOR CIVIL USE**

FOR USE UNDER BASIC VFR  
WEATHER MINIMUMS ONLY

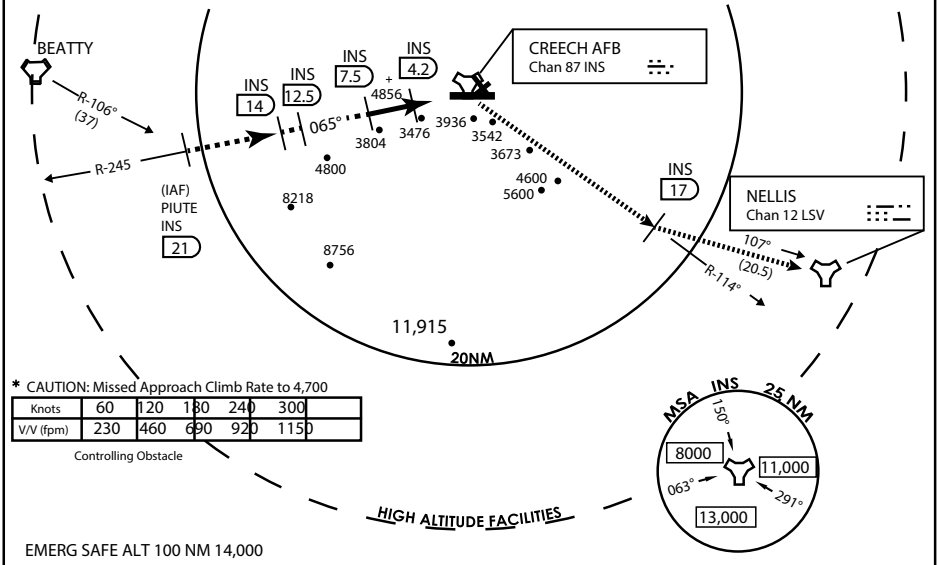
PILOT IS RESPONSIBLE FOR TERRAIN/OBSTACLE AVOIDANCE AND APPROPRIATE VFR CLOUD CLEARANCE FOR ALL

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

Modified by viaBog 66 for use with DCS  
NOT FOR REAL LIFE NAVIGATION

Modified by viaBog 66 for use with DCS  
NOT FOR REAL LIFE NAVIGATION

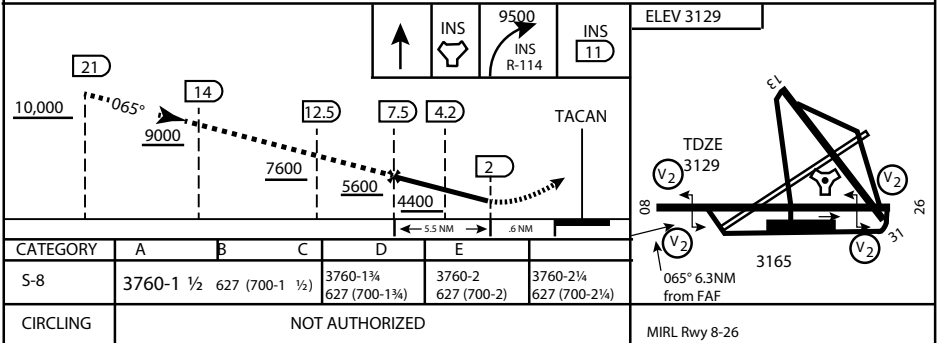


\* CAUTION: Missed Approach Climb Rate to 4,700

|           |     |     |     |     |      |
|-----------|-----|-----|-----|-----|------|
| Knots     | 60  | 120 | 180 | 240 | 300  |
| V/V (fpm) | 230 | 460 | 690 | 920 | 1150 |

Controlling Obstacle

HIGH ALTITUDE FACILITIES



CITY OF INDIAN, NEVADA

INDIAN SPRINGS AF AUX (KINS)

(FOR DAY VFR USE ONLY)



