

| MISSION DATA CARD |                          |          |        |          |      |             |       |     |
|-------------------|--------------------------|----------|--------|----------|------|-------------|-------|-----|
| OPORD             |                          | Callsign |        | Mission  |      | Date/Time   |       |     |
| 500/2022          |                          | Lion 1   |        | Training |      | 102000JAN22 |       |     |
| Task              | East Airfield Fam Flight |          |        |          |      |             | Freq  |     |
| AO                | NTTR East                |          |        |          |      |             | 134.0 |     |
| Departure         |                          |          |        | Recovery |      |             |       |     |
| FLEX 3 TURNOUT    |                          |          |        | MINTT    |      |             |       |     |
| #                 | Callsign                 |          | Pilot  |          | IFF  | TCN         | LSR   | NET |
| -1                | Lion 1-1                 |          | Nerkub |          | 1311 | 41Y         | 1581  |     |
| -2                | Lion 1-2                 |          | Cyking |          | 1312 | 104Y        | 1582  |     |
| -3                | Lion 1-3                 |          | Poet   |          | 1313 | 104X        | 1583  |     |

| LOADOUT |  |      |            |
|---------|--|------|------------|
| A/A     |  | GUN  | 100% HEI-T |
| A/G     |  | CHF  | 120        |
| POD     |  | FLR  | 0          |
| TKS     |  | FUEL | 100%       |

| TOLD |         |        |       |       |      |
|------|---------|--------|-------|-------|------|
|      | Takeoff | Target | Joker | Bingo | Land |
| FUEL | 7163    |        |       | 2500  | 800  |

| 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          | Boulder City<br>(Flyover)       | N35 56 37.884 W114 51 35.865 | 15000 |     |
| 2          | Laughlin Intl<br>(Low Pass, TG) | N35 10 00.621 W114 33 40.843 | 15000 |     |
| 3          | AAR                             | N36 18 50.318 W114 07 52.301 | 15000 |     |
| 4          | Mesquite Airport<br>(Low Pass)  | N36 49 56.207 W114 03 36.520 | 15000 |     |
| 5          | Lincoln Airport<br>(Low Pass)   | N37 47 20.764 W114 25 04.356 | 15000 |     |
| 6          | Echo Bay<br>(Flyover)           | N36 18 39.391 W114 27 45.091 | 15000 |     |
| 7          | Nellis AFB (TG,<br>TG and Land) | N36 13 41.891 W115 02 16.296 | 15000 |     |

NOTES

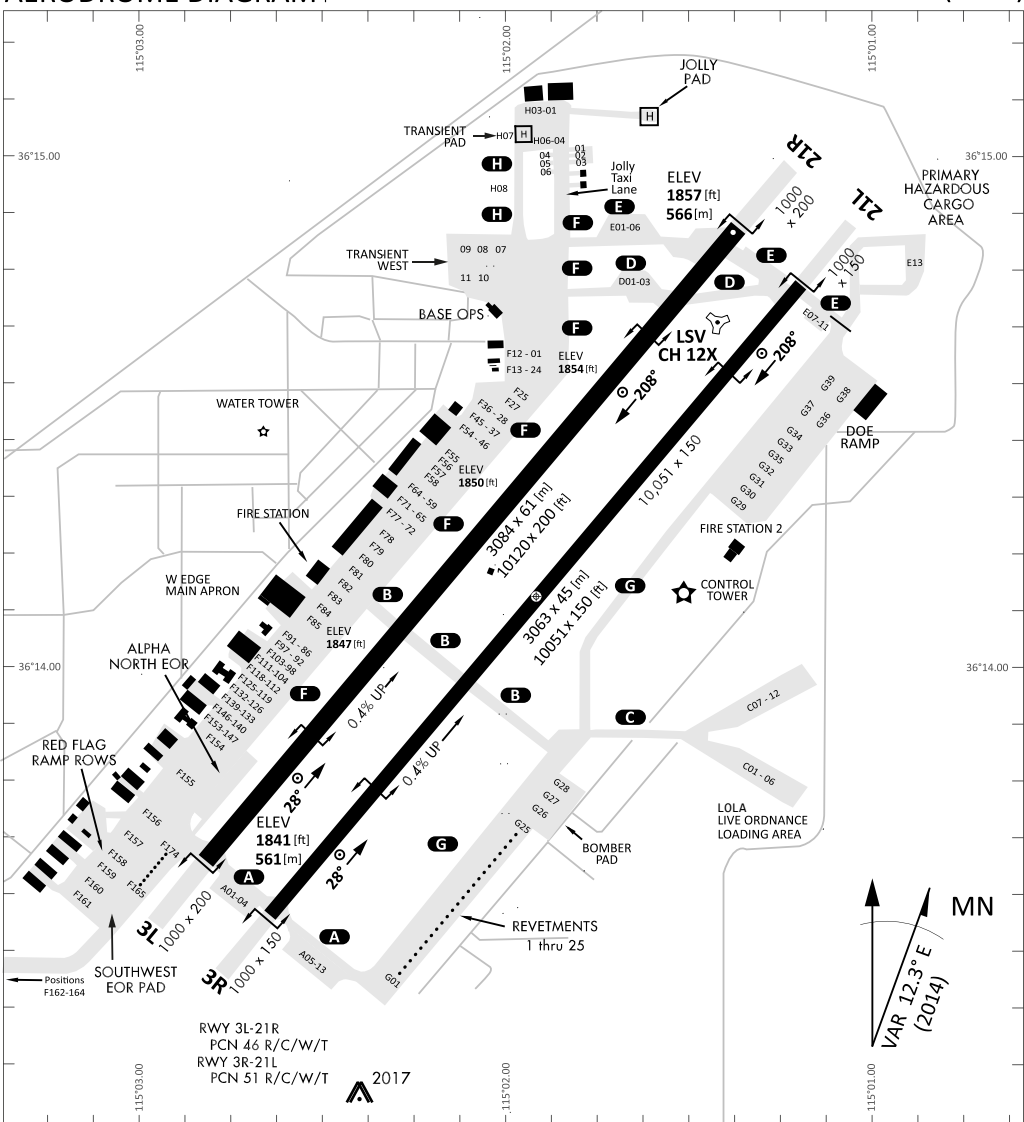
Laughlin: 680 MSL 118.25 Tower RWY 16-34 (LP 1.300, TG) [Break West]  
Mesquite: 1860 MSL 120.3 Tower RWY 18-36 (LP 2.500) [Break East]  
Lincoln: 4831 MSL no Tower RWY RWY 17-35 (LP 5.500) [Break West]

| OTHER FLIGHTS |          |                                                |        |                           |       |       |
|---------------|----------|------------------------------------------------|--------|---------------------------|-------|-------|
| Callsign      | Mission  | Airframe                                       | Freq   | TCN                       | Grpld | Laser |
| Panther 7     | Training | 4x F/A-18C                                     | 261.35 | 31/94                     |       | 157X  |
|               | AO       |                                                | Task   |                           |       |       |
| Tiger 1       | Training | 4x F/A-18C                                     | 261.15 | 11/74                     | 1     | 155X  |
|               | AO       | Jean Airport, Boulder City, Echo Bay, Mesquite | Task   | Landing & AAR Refresher   |       |       |
| T-Rex 2       | Training | 2x A-10C                                       | 132.25 | 27/90                     | 25    | 165X  |
|               | AO       | Pahute Mesa, Beatty, Range64                   | Task   | Touch'n'Go Training + AAR |       |       |
| Monster 1     | Training | 2x A-10C                                       | 132.15 | 25/88                     | 11    | 161X  |
|               | AO       | Range 64, Pahute, Beatty                       | Task   |                           |       |       |
| Axe 4         | Training | 3x A-10C                                       | 132.65 | 21/84                     | 24    | 156X  |
|               | AO       | Lincoln, LATN East, Echo Bay                   | Task   |                           |       |       |
| Cougar 2      | Training | 4x F-14B                                       | 264.25 | 20/83                     |       | 156X  |
|               | AO       |                                                | Task   | T&Gs and AAR              |       |       |
| Panther 5     | Training | 4x F/A-18C                                     | 261.25 | 32/95                     | 1     | 156X  |
|               | AO       | Creech, Tonopah                                | Task   | Landing & AAR Refresher   |       |       |

| 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          | O    | M   | P   | A  | T  | I   | B  | L  | E  |    |
| KTC 1400 C |      |     |     |    |    |     |    |    |    |    |
|            | 0    | 1   | 2   | 3  | 4  | 5   | 6  | 7  | 8  | 9  |
| A          | HTEY | RJC | NIO | QK | GX | FWU | PS | MV | BA | DL |
| B          | NJKA | OGX | EWR | SC | HP | YFU | TQ | IL | DV | BM |
| C          | AFXR | TQK | GCB | YI | DE | WMU | SH | PV | JO | NL |
| D          | QOVL | UKX | TNF | JG | MH | ICS | PA | YW | DE | RB |
| E          | SYCW | UXA | GHM | VL | DR | JPO | KI | BQ | TE | NF |
| F          | DFNK | WSO | UMX | TJ | AQ | RBY | GI | EL | HV | PC |
| G          | UHXE | CSY | IPW | NR | AO | VFK | TQ | DB | JG | LM |
| H          | PSRV | IQU | YXC | HN | EG | WLM | KB | AT | FJ | OD |
| I          | QVTG | LUS | MEN | RI | WJ | ABK | XP | OF | CY | DH |
| J          | LARJ | VHP | GYX | SN | TD | EIQ | CB | FM | OK | WU |
| K          | KTWH | YLP | EAF | OJ | GS | IBM | DR | VX | QN | UC |
| L          | BVHQ | MOL | DEI | AY | RG | NJC | TK | XW | PU | SF |
| M          | NXPK | VDU | MSJ | QE | CA | GRO | YW | BT | LH | FI |
| N          | GQYF | ILK | VEJ | CO | SM | DBP | TR | UN | AX | HW |
| O          | XCID | TSJ | LAB | FG | MN | VEK | HU | PW | YO | RQ |
| P          | PFKB | AJM | QLN | IO | SR | XET | CY | HW | GD | UV |
| Q          | FYSB | OJQ | XDN | IM | RC | GVL | PE | HK | AU | TW |
| R          | HGPC | MEK | IOS | JQ | LW | UXD | NA | YR | TF | BV |
| S          | UBRI | DOE | QFL | GJ | TS | WXH | YN | MK | AV | PC |
| T          | SGFU | XOH | WCB | DI | QR | EJV | MA | PN | YL | TK |
| U          | WDJV | CBQ | NFA | RY | OT | XSH | PM | UL | KE | GI |
| V          | AJDE | HCP | YGI | XB | KM | SFL | UT | NO | QW | RV |
| W          | SICA | VRL | DKM | FN | HB | TQY | OE | JG | WX | PU |
| X          | RWJI | TUM | PYC | OK | QD | SAH | NF | LE | GV | BX |
| Y          | RHGD | ELF | QWV | BI | AN | OYM | SU | CJ | XK | TP |

| 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

# VMC ONLY

PILOT RESPONSIBLE FOR  
TERRAIN AVOIDANCE

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

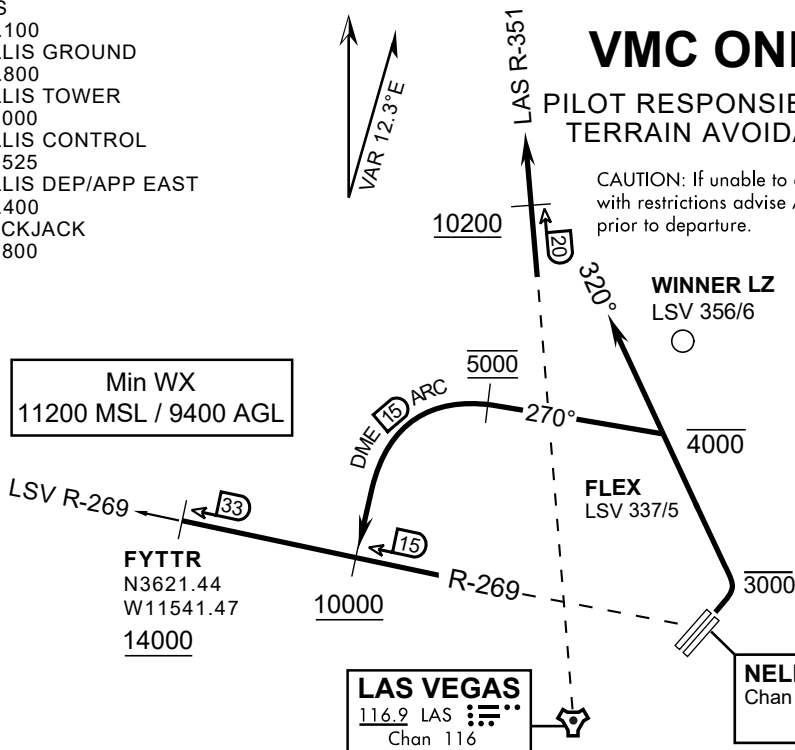
**WINNER LZ**  
 LSV 356/6

**FLEX**  
 LSV 337/5

**NELLIS**  
 Chan 12 LSV

**LAS VEGAS**  
 116.9 LAS  
 Chan 116

Min WX  
 11200 MSL / 9400 AGL



## ▼ Request from GROUND prior to Taxi and APVD by TWR prior to TAKEOFF

1. Used for RWY 03 departures regardless of active runway to expedite the departure movement.
2. ATC may initiate to apply Simultaneous Opposite Direction Operations (SODO) when filed on FYTTR TWO or DREAM THREE and arrivals are landing RWY21.
3. ATC/aircrew may initiate to provide quick turn out to FYTTR TWO when departing RWY 03.
4. Procedure is VFR to IFR. During VFR portion aircrews are responsible for terrain clearance. CLASS B VFR separation services will be provided as appropriate.

### FYTTR THREE:

1. Remain below 3000' MSL until north of Race Track and turned westbound
2. Turn left within 4NM of Nellis direct FLEX.
3. Fly north of FLEX at or below 4000' MSL and then heading 270°.
4. Intercept the LSV 15DME arc at or below 5000' MSL and arc south.
5. Intercept the LSV R-269/15 at or above 10,000' MSL and track outbound.

Aircrews are VFR until intercepting the LSV R-269 at or above 10,200' MSL.

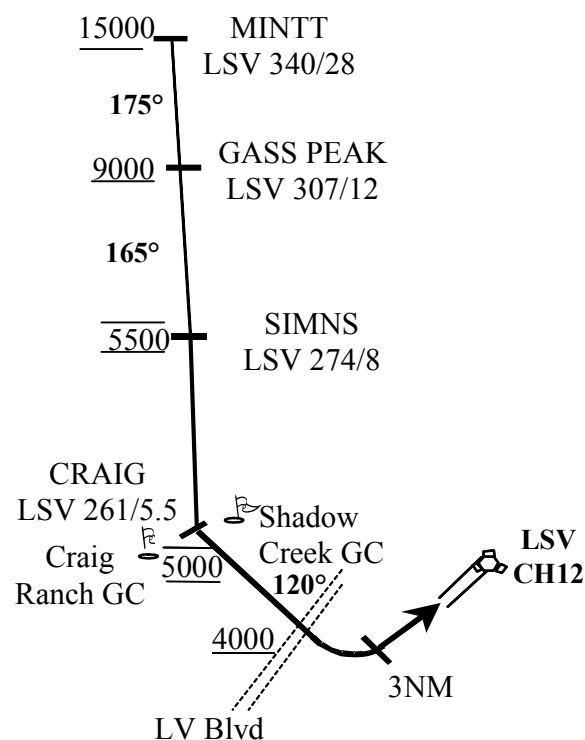
### DREAM FOUR:

1. Remain below 3000' MSL until north of Race Track
  2. Fly north of FLEX at or below 4000' MSL and then heading 320°.
  3. Intercept the LSV R-349 (Ch 116) and comply with DREAM THREE restrictions.
- Aircrews are VFR until crossing the LSV R-349/20 at or above 10,200' MSL
4. If unable to comply with restrictions, maintain VFR and advise approach.
  5. All FLEX Turnouts to the DREAM FOUR will comply with RWY 21 DREAM FOUR (intercept LAS R-351) outbound regardless of active runway.

## FLEX TURNOUT 03 DEPARTURE AND TRANSITIONS

**CONTENT OF THIS PUBLICATION HAS BEEN APPROVED  
BY  
99 ABW/CC**

**FIGURE 4.10. MINTT RECOVERY (NOT FOR USE IN IMC).**  
FOR USE UNDER VMC ONLY  
PILOT IS RESPONSIBLE FOR TERRAIN/OBSTACLE AVOIDANCE



**OVERHEAD:**

- Cross MINTT at or above 15,000 feet MSL, direct GASS PEAK
- Cross GASS PEAK at or above 9,000 feet MSL
- Cross SIMNS at 5,500 feet MSL
- Cross CRAIG at 5,000 feet MSL; Report CRAIG to Tower
- Cross Las Vegas Blvd at or above 4,000 feet MSL, then to 3,500 feet MSL for initial
- Remain within 4 DME of LSV on turn to initial

**VFR STRAIGHT-IN:**

- Depart CRAIG and descend to be at 3,000 feet MSL by Las Vegas Blvd
- Do not descend below 3,000 feet MSL until within 5 DME of LSV or 4 NM of the runway, remain within 4 DME of LSV on turn to final



INDIAN SPRINGS, NEVADA

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

INDIAN SPRINGS AF AUX (KINS)

|          |                                                                                                                                |     |
|----------|--------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>T</b> | * 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<br>- | CREECH AFB TOWER<br>118.30 660.60 | GND CON<br>- |
|-----------------|-----------------------------------|--------------|

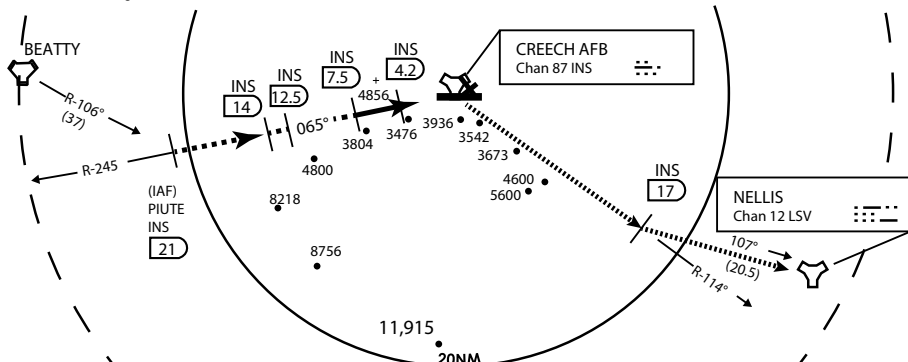
NOT FOR CIVIL USE

FOR USE UNDER BASIC VFR  
WEATHER MINIMUMS ONLY

PILOT IS RESONPSIBLE  
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

|          |                |               |                         |                       |                         |  |
|----------|----------------|---------------|-------------------------|-----------------------|-------------------------|--|
|          |                |               |                         |                       | ELEV 3129               |  |
|          |                |               |                         |                       | MIRL Rwy 8-26           |  |
| CATEGORY | A              | B             | C                       | D                     | E                       |  |
| S-8      | 3760-1 ½       | 627 (700-1 ½) | 3760-1¾<br>627 (700-1¾) | 3760-2<br>627 (700-2) | 3760-2¼<br>627 (700-2¼) |  |
| CIRCLING | NOT AUTHORIZED |               |                         |                       |                         |  |

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



