

| MISSION DATA CARD |                       |          |          |          |      |             |      |       |
|-------------------|-----------------------|----------|----------|----------|------|-------------|------|-------|
| OPORD             |                       | Callsign |          | Mission  |      | Date/Time   |      |       |
| 591/2022          |                       | T-Rex 2  |          | Training |      | 072030FEB22 |      |       |
| Task              | Bervities, Laser GBUs |          |          |          |      | Freq        |      |       |
| AO                | R65                   |          |          |          |      | 132.25      |      |       |
| Departure         |                       |          |          | Recovery |      |             |      |       |
| FYTTR LOW         |                       |          |          | STRYK    |      |             |      |       |
| #                 | Callsign              |          | Pilot    |          | IFF  | TCN         | LSR  | NET   |
| -1                | T-Rex 2-1             |          | Crusader |          | 1521 | 27Y         | 1651 | 25/01 |
| -2                | T-Rex 2-2             |          | Thunder  |          | 1522 | 90Y         | 1652 | 25/02 |

| LOADOUT |               |      |         |
|---------|---------------|------|---------|
| A/A     | A9M           | GUN  | 100% CM |
| A/G     | 7M282L, 4xG12 | CHF  | 240     |
| POD     | A184, TGP     | FLR  | 240     |
| TKS     |               | FUEL | 79%     |

| TOLD |         |        |       |       |      |
|------|---------|--------|-------|-------|------|
|      | Takeoff | Target | Joker | Bingo | Land |
| FUEL | 8758    |        |       |       |      |

| 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) |     |     |
| 2          | Range 65B | N36 55.504 W115 49.525              |     |     |
| 3          | STRYK     | LSV 282/26 (N36 25.620 W115 30.700) |     |     |

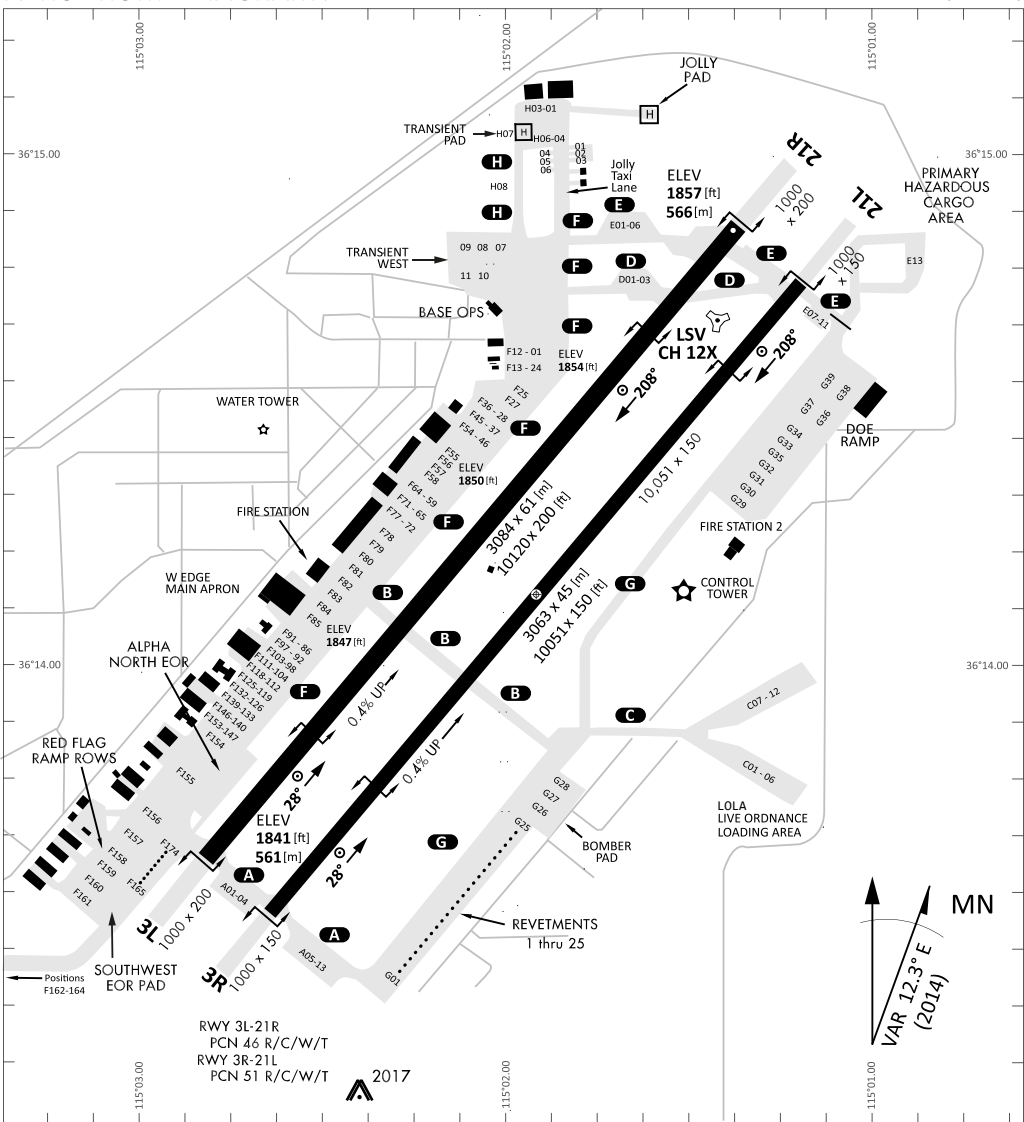
| COMMS |                              |
|-------|------------------------------|
| Radio | Usage                        |
| 1     | 132.25                       |
| 2     | 11 - 3 - 4 - 16 - 11 - 4 - 3 |
| 3     | 32.25                        |

| OTHER FLIGHTS |          |                   |        |                         |       |       |
|---------------|----------|-------------------|--------|-------------------------|-------|-------|
| Callsign      | Mission  | Airframe          | Freq   | TCN                     | Grpld | Laser |
| Tiger 2       | Training | 4x F/A-18C        | 261.15 | 11/74                   |       | 155X  |
|               | AO       | RACHEL NORTH      | Task   | BVR Basics 1            |       |       |
| Tiger 3       | Training | 3x F/A-18C        | 261.35 | 11/74                   | 3     | 155X  |
|               | AO       | Range 76.21       | Task   | Long Range AG           |       |       |
| Edelweiss 4   | Training | 4x F-14B          | 264.45 | 21/84                   |       | 174X  |
|               | AO       | Student Gap       | Task   | Formation Procedures    |       |       |
| Panther 7     | Training | 4x F/A-18C        | 261.35 | 31/94                   |       | 157X  |
|               | AO       | R63B Bomb Circles | Task   | Dump Bombs (CCIP, CCRP) |       |       |
| Lion 1        | Training | 4x F-16C          | 134.0  | 31/94                   |       | 157X  |
|               | AO       | Range 61          | Task   | HighDrag CCRP with TGP  |       |       |
| Zapper 1      | Training | 2x Ka-50          | 260.5  | 21/84                   |       | 156X  |
|               | AO       | West Flex         | Task   | reconnaissance          |       |       |
| Monster 1     | Training | 2x A-10C          | 132.5  | 25/88                   | 21    | 161X  |
|               | AO       |                   | Task   | Laser Bombs Range 64    |       |       |
| Tiger 1       | Training | 4x F/A-18C        | 261.15 | 11/74                   | 1     | 155X  |
|               | AO       | RACHEL NORTH      | Task   | BVR Basics 1            |       |       |
| Edelweiss 1   | Training | 4x F/A-18C        | 264.35 | 21/84                   | 40    | 172X  |
|               | AO       |                   | Task   | 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  |    |
| D          | E    | X   | T   | R  | O  | U   | S  | L  | Y  |    |
| KTC 1400 C |      |     |     |    |    |     |    |    |    |    |
|            | 0    | 1   | 2   | 3  | 4  | 5   | 6  | 7  | 8  | 9  |
| A          | UOQS | IWH | MNG | PB | KF | DLA | RV | TJ | XY | EC |
| B          | DYPK | XLU | TEI | RW | FB | OHG | AV | NQ | CS | JM |
| C          | XHGF | TON | IPK | QE | RB | VDA | MS | CJ | WL | YU |
| D          | SIVU | JFK | LRD | NE | HA | OXW | TG | BQ | CM | PY |
| E          | NBHA | PGR | FSU | EL | CJ | OTD | WK | IM | VX | YQ |
| F          | SBIG | CDV | EHO | FY | NM | XWL | QK | RU | TA | JP |
| G          | RNPV | UXJ | HMB | YG | LK | DOS | TA | FI | EQ | CW |
| H          | GCPA | TVL | WBS | JF | HX | UMR | OY | IQ | NE | KD |
| I          | JIDR | ATP | VKM | LS | CN | FWB | YU | OG | XH | EQ |
| J          | SJPY | BUH | EXL | TF | QV | AGW | DN | IM | KC | OR |
| K          | MJGF | CRW | TND | YI | KH | SLV | AU | EO | XQ | BP |
| L          | ALEK | GOJ | XTC | VU | WR | IHS | PF | QN | MB | YD |
| M          | CXUV | KNP | FRM | JQ | BD | GHY | EA | SW | OI | LT |
| N          | BNCA | UMH | DQX | SE | PT | GOK | RV | JW | FY | LI |
| O          | LNFI | DSX | WGE | OC | JT | AUK | VY | MP | HB | QR |
| P          | XEBD | RKW | VUM | TN | JQ | LCY | PI | HA | SO | FG |
| Q          | LAGI | YMC | SWD | NX | FQ | VEH | JB | TO | KR | PU |
| R          | XQKY | SFV | DJM | BP | WO | TLN | GC | RI | EU | HA |
| S          | UTQJ | WXK | MHR | DI | OG | FBC | PS | AV | LY | EN |
| T          | TAJY | KOW | PSQ | CB | IH | MUF | VG | XL | DE | RN |
| U          | EXJF | KPU | DLY | RI | NC | STA | HM | WG | VO | BQ |
| V          | VNTO | DLC | MIB | SY | RU | JWA | XQ | EF | GK | PH |
| W          | VXSC | UID | YAK | OB | PM | NJR | WT | GL | EH | QF |
| X          | NUWF | LHI | MRO | JG | YQ | KCT | SA | VX | DP | BE |
| Y          | NABE | TWJ | KGX | CH | FY | LOR | MQ | US | DV | IP |

| 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     |

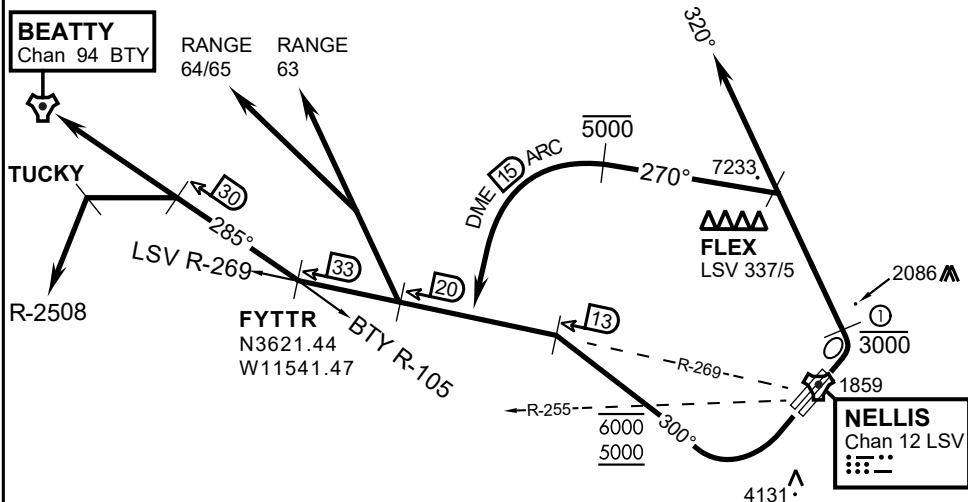
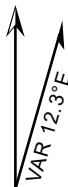
ATIS  
 270.100  
 NELLIS GROUND  
 275.800  
 NELLIS TOWER  
 327.000  
 NELLIS CONTROL  
 317.525  
 NELLIS DEP/APP EAST  
 384.400  
 BLACKJACK  
 377.800

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

## VMC ONLY

### PILOT RESPONSIBLE FOR TERRAIN AVOIDANCE

① 4 NM from RWY 3L/R



### DEPARTURE ROUTE DESCRIPTION

#### TAKEOFF RWY 3L/R:

- Remain below 3,000' MSL until north of Race Track and turned westbound.
- Turn left within 4NM of Nellis direct FLEX. Fly north of FLEX and turn left heading 270°.
- Intercept LSV R-255 between 5,000' and 6,000' , intercept and proceed outbound on the LSV R-269. Recommend climb to 8,500' MSL or appropriate VFR altitude for overflight of North Las Vegas Training Area. Fly routing for appr. mission/transition.
- ARC south, intercept LSV R-269 outbound. Maintain VFR.

#### TAKEOFF RWY 21L/21R:

- Follow Noise Abatement Procedures.
- Fly runway heading until past Golf Course, turn right heading 300°.
- Cross LSV R-255 between 5,000' and 6,000' , intercept and proceed outbound on the LSV R-269. Recommend climb to 8,500' MSL or appropriate VFR altitude for overflight of North Las Vegas Training Area. Fly routing for appr. mission/transition.

#### TRANSITIONS:

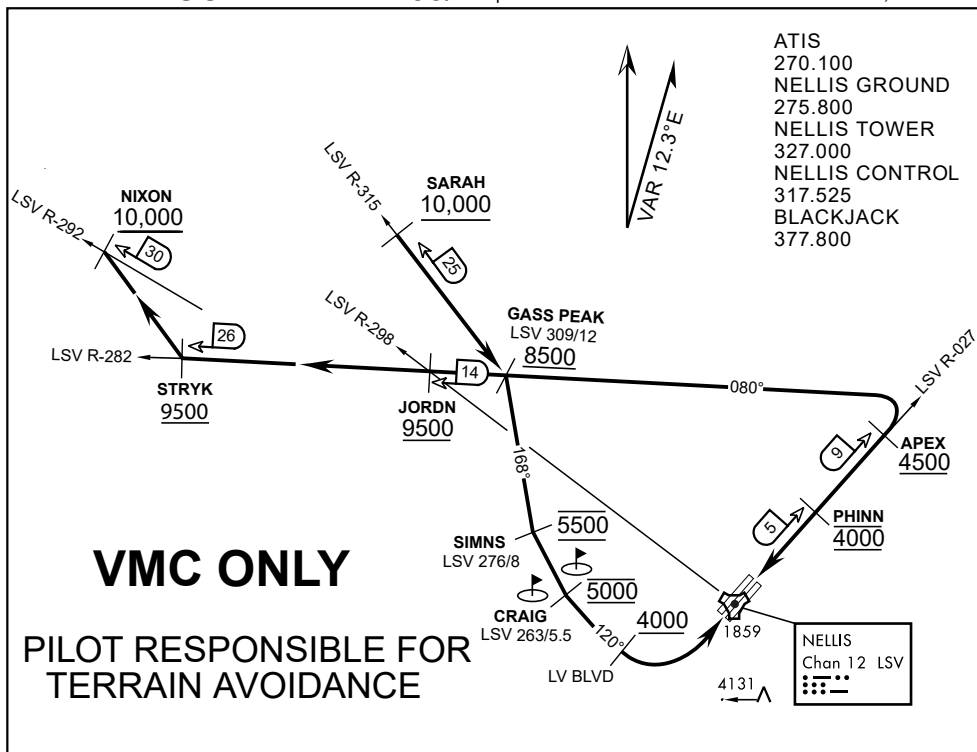
**R-4806:** Turn right at the LSV 269/20 direct to assigned ranges.

**BEATTY:** Turn right at FYTTR direct BTY via the BTY R-105

**R-2508:** Turn right at the FYTTR, intercept the BTY 105/30, direct TUCKY, then direct R-2508

### FYTTR DEPARTURE AND TRANSITIONS (FYTTR LOW)





### APPROACH ROUTE DESCRIPTION

#### APPROACH RWY 3L/R

Cross STRYK at or above 9,500' MSL, proceed direct GASS PEAK. Cross JORDN at or above 9,500' MSL, cross GASS PEAK at or above 8,500' MSL. Proceed direct SIMNS and cross at 5,500' MSL. Cross Las Vegas Blvd at or above 4,000' MSL then to 3,500' MSL for Initial. Remain within 4 DME if LSV on turn to final.

#### VFR STRAIGHT-IN RWY 3L/R

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

#### APPROACH RWY 21L/R

Cross STRYK at or above 9,500' MSL, proceed direct GASS PEAK. Cross JORDN at or above 9,500' MSL, cross GASS PEAK at or above 8,500' MSL. Cross APEX at or above 4,500' MSL then direct 5NM initial. Descend to cross PHINN at 4,000' MSL, Inside 5 NM descend to 3,500' MSL.

#### VFR STRAIGHT-IN RWY 21L/R

Cross APEX at 4,000' MSL. Descend to be at 3,000' MSL at PHINN. Descend to 3,000' MSL at LSV 027/5.

#### RANGE 63B EXIT

**SOUTH:** Via NIXON at or above 10,000' MSL, then direct STRYK.

**EAST:** Via SARAH at or above 10,000' MSL, then direct GASS PEAK.



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)



\* 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

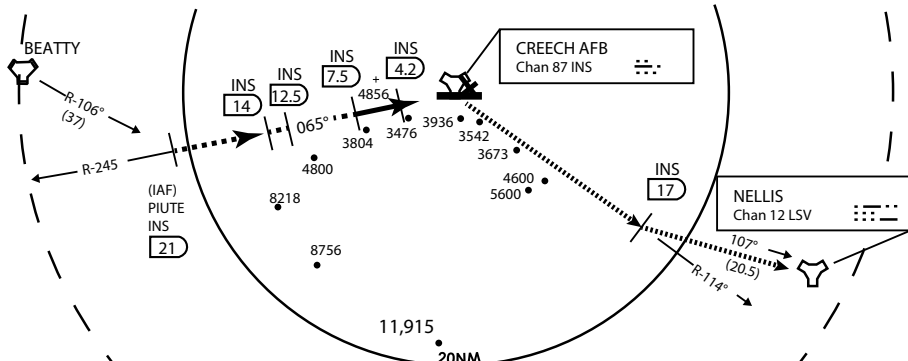
NOT FOR CIVIL USE

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



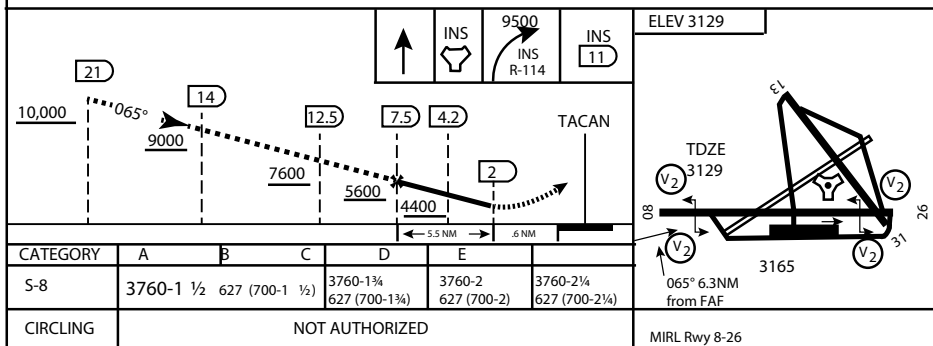
\* CAUTION: Missed Approach Climb Rate to 4,700

|           |     |     |     |     |      |
|-----------|-----|-----|-----|-----|------|
| 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



