

**MISSION DATA CARD**

| OPORD         |              | Callsign  |  | Mission  |     | Date/Time   |       |
|---------------|--------------|-----------|--|----------|-----|-------------|-------|
| 3311/2024     |              | Monster 1 |  | Training |     | 142000OCT24 |       |
| Task          | MSC Training |           |  |          |     | Freq        |       |
| AO            | LATN Central |           |  |          |     | 132.15      |       |
| Departure     |              |           |  | Recovery |     |             |       |
| A10 TAC NORTH |              |           |  | RAMMM    |     |             |       |
| #             | Callsign     | Pilot     |  | IFF      | TCN | LSR         | NET   |
| -1            | Monster 1-1  | Marsy     |  | 1411     | 1Y  | 1611        | 21/01 |
| -2            | Monster 1-2  | addiks    |  | 1412     | 64Y | 1612        | 21/02 |
| -3            | Monster 1-3  | Toolface  |  | 1413     | 64X | 1613        | 21/03 |
| -4            | Monster 1-4  | Crusader  |  | 1414     | 1X  | 1614        | 21/04 |

**LOADOUT**

|     |            |  |  |  |      |         |
|-----|------------|--|--|--|------|---------|
| A/A | 2xA9M      |  |  |  | GUN  | 100% CM |
| A/G | 7M282L     |  |  |  | CHF  | 240     |
| POD | TGP, A184L |  |  |  | FLR  | 240     |
| TKS |            |  |  |  | FUEL | 75%     |

**TOLD**

|      |         |        |       |       |      |
|------|---------|--------|-------|-------|------|
|      | Takeoff | Target | Joker | Bingo | Land |
| FUEL | 8315    |        |       |       |      |

**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 |

**FLIGHTPLAN**

| # | Name      | Navaid/Coords/DME                   | ALT | TOT |
|---|-----------|-------------------------------------|-----|-----|
| 1 | APEX      | LSV 027/09 (N36 21.580 W114 54.340) |     |     |
| 2 | DRY LAKE  | LSV 030/15 (N36 27.680 W114 52.211) |     |     |
| 3 | LATNCAA01 | N36 10.605 W114 26.850              |     |     |
| 4 | RAMMM     | LSV 024/38 (N36 45 W114 33.330)     |     |     |
| 5 | APEX2     | LSV 027/09 (N36 21.580 W114 54.340) |     |     |

## NOTES

A10MSC04 - Formation Takeoff  
A10MSC22 - FENCE Check  
A10MSC09 - Lead Change  
A10MSC20 - OPs check  
A10MSC25 - Ground Attack Roles  
A10MSC16 - Tactical Overhead Break

-Terminate vs KIO

-PUSH vs GO

## OTHER FLIGHTS

| Callsign    | Mission   | Airframe   | Freq                          | TCN  | Grpld | Laser |
|-------------|-----------|------------|-------------------------------|------|-------|-------|
| Edelweiss 1 | Training  | 4x F/A-18C | 264.05                        | 1/64 |       | 170X  |
| AO          |           | Task       | Formation Training            |      |       |       |
| Edelweiss 2 | Training  | 2x F-16C   | 135.0                         | 1/64 |       | 171X  |
| AO          | NTTR      | Task       | Departure / Recovery Training |      |       |       |
| Raptor 1    | Training  | 2x F-16C   | 134.0                         | 1/64 |       | 162X  |
| AO          | Range 61  | Task       | LGB Training                  |      |       |       |
| Nazgul 6    | Training  | 4x F-15E   | 262.45                        | 1/64 |       | 156X  |
| AO          | BFM Range | Task       | WVR                           |      |       |       |
| Rattler 4   | Training  | 4x AH-64D  | 133.5                         | 1/64 |       | 125X  |
| AO          | LATNG     | Task       | Radar-Training                |      |       |       |
| Raptor 2    | Training  | 3x F-16C   | 134.5                         | 1/64 |       | 163X  |
| AO          | Range 61  | Task       | LGB Training                  |      |       |       |
| Edelweiss 6 | Training  | 2x A-10C   | 132.25                        | 1/64 | 25    | 172X  |
| AO          | Nellis    | Task       | AAR                           |      |       |       |
| Raptor 3    | Training  | 2x F-16C   | 134.0                         | 1/64 |       | 162X  |
| AO          | Range 61  | Task       | LGB Training                  |      |       |       |
| Edelweiss 3 | Training  | 1x F/A-18C | 264.35                        | 1/64 |       | 173X  |
| 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 | A | D | L | O | C | K | I | N | G |

**KTC 1400 C**

|   | 0    | 1   | 2   | 3  | 4  | 5   | 6  | 7  | 8  | 9  |
|---|------|-----|-----|----|----|-----|----|----|----|----|
| A | JDVU | IHE | PNA | QO | TY | CWS | RF | KM | LG | BX |
| B | IYAE | MUH | SGO | TV | WP | QCB | JR | NF | XD | KL |
| C | SGEA | TCN | IFX | PH | VO | BDM | WL | KQ | YR | UJ |
| D | TGJB | HWI | XQU | YL | PV | ROE | MF | AD | CN | SK |
| E | DNLW | QRB | FCG | SE | HO | YJX | VK | MU | PT | AI |
| F | ECLO | IGY | FJN | VS | DT | XWQ | PA | MB | RU | KH |
| G | IRSU | OGP | VKW | NH | TE | JMQ | BD | XL | CY | FA |
| H | PFGO | EDB | AJK | UY | VR | NSQ | HL | MI | WC | TX |
| I | RXFM | NBE | QSJ | PT | IG | COA | KV | DU | YH | WL |
| J | PIGW | HMF | SOU | NA | RX | QVD | BC | EJ | KL | TY |
| K | DASI | OYT | JMN | ER | PW | GKQ | FC | LX | VH | BU |
| L | JIOU | WVB | XQR | DN | SA | LGP | CK | FH | EM | TY |
| M | LSIM | XPQ | DHY | BE | WJ | CNV | UT | OF | GR | AK |
| N | VAGQ | NBT | OEW | FL | UK | XCR | PH | YD | IJ | MS |
| O | QXFB | UYA | EDC | LW | NK | GRM | TP | OH | IJ | SV |
| P | EGMU | SPJ | TWQ | AN | YV | IDH | KR | BL | CO | FX |
| Q | MNEJ | YVX | SWA | PL | GK | QIB | RF | HT | DU | OC |
| R | DERB | OKI | JGY | CX | WV | PAN | SH | LM | TU | FQ |
| S | LRBK | CXY | MTJ | IQ | HW | NDE | VS | OP | UG | AF |
| T | MUOB | YHL | WIR | NE | CJ | VSQ | PK | FA | DG | TX |
| U | GVTK | AYD | FLJ | HQ | XR | SBO | NE | WM | PU | CI |
| V | GXSU | DTY | QVP | BO | AI | WLK | CR | EN | MJ | HF |
| W | USTG | PNI | HJW | RA | CQ | YBM | VE | OX | FK | DL |
| X | PUIN | REJ | TBA | YG | FD | KMQ | SW | CL | HO | XV |
| Y | IHAE | OKM | CYS | DT | WX | QLF | VG | PR | NJ | UB |

**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     |

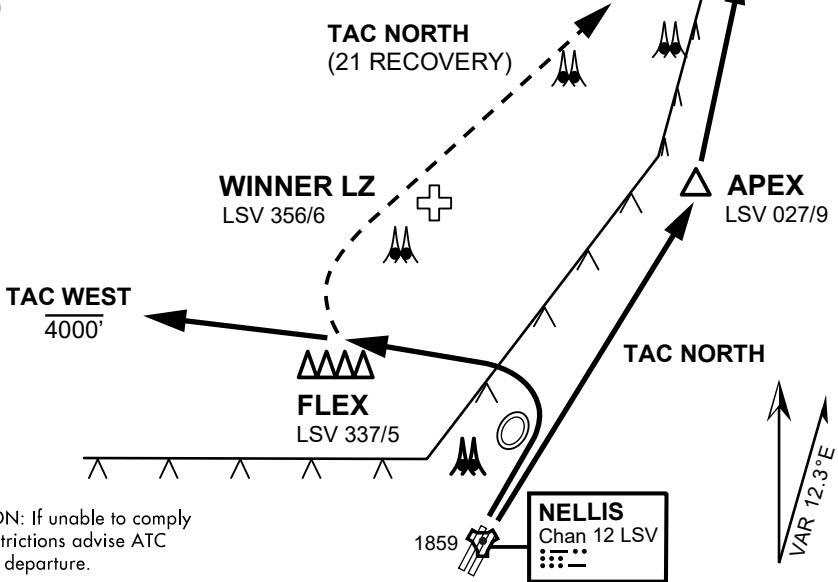


ATIS  
270.100  
NELLIS GROUND  
275.800  
NELLIS TOWER  
327.000  
NELLIS CONTROL  
317.525  
NELLIS DEP/APP EAST  
384.400  
BLACKJACK  
377.800

## VMC ONLY

PILOT RESPONSIBLE FOR  
TERRAIN AVOIDANCE

DRY LAKE  
LSV 017/15



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



### DEPARTURE ROUTE DESCRIPTION

- Tac North / Tac West departures only flown during daylight from RWY 03
- Use caution for helicopters operating 3 Nm NE of FLEX (Winner LZ).
- Flights will remain at 500' AGL until deconflicted with helicopter traffic.
- Upon reaching FLEX or Dry Lake maintain VFR, remain clear of Class B airspace, and switch frequency to coordinate for range entry.

#### TAC NORTH

- Proceed direct APEX then direct Dry Lake. Report "APEX" informing ATC flight will clear Class B in 3Nm enroute to Dry Lake.
- For opposite direction takeoffs when RWY 21 is the active, proceed to FLEX then to Dry Lake.
- Report "FLEX" to inform ATC flight is clear of Class B airspace. Use caution for helicopter training.

#### TAC WEST:

- Proceed to FLEX. Report "FLEX" to inform ATC flight is clear of Class B airspace. Remain below 4000' MSL until north of Gass Peak.

Figure A23.5. RAMMM Recovery (Not For Use In IMC).

