

| MISSION DATA CARD |               |             |             |                |      |             |        |     |
|-------------------|---------------|-------------|-------------|----------------|------|-------------|--------|-----|
| OPORD             |               | Callsign    |             | Mission        |      | Date/Time   |        |     |
| 916/2022          |               | Edelweiss 2 |             | Training       |      | 232000MAY22 |        |     |
| Task              |               |             |             |                |      |             | Freq   |     |
| AO                |               |             |             |                |      |             | 133.25 |     |
| Departure         |               |             |             | Recovery       |      |             |        |     |
| HELICOPTER DEP    |               |             |             | HELICOPTER ARR |      |             |        |     |
| #                 | Callsign      |             | Pilot       |                | IFF  | TCN         | LSR    | NET |
| -1                | Edelweiss 2-1 |             | Hazel/Mütze |                | 1721 | 21Y         | 1721   |     |

| LOADOUT |  |      |           |
|---------|--|------|-----------|
| A/A     |  | GUN  | 100% HEDP |
| A/G     |  | CHF  | 30        |
| POD     |  | FLR  | 60        |
| TKS     |  | FUEL | 100%      |

| TOLD |         |        |       |       |      |
|------|---------|--------|-------|-------|------|
|      | Takeoff | Target | Joker | Bingo | Land |
| FUEL | 2513    |        |       |       |      |

| 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          | WEST FLEX | LSV 307/6.5 (N36 18.640 W115 08)     |     |     |
| 2          | Winner LZ | LSV 356/6 (N36 20.330 W115 00.250)   |     |     |
| 3          | WEST FLEX | LSV 307/6.5 (N36 18.640 W115 08)     |     |     |
| 4          | SOUTH GAP | LSV 160/2.9 (N36 11.940 W115 00.400) |     |     |
| 5          | DRY LAKE  | LSV 030/15 (N36 27.680 W114 52.211)  |     |     |
| 6          | NORTH GAP | LSV 018/5.5 (N36 20 W114 59.300)     |     |     |

| COMMS |        |
|-------|--------|
| Radio | Usage  |
| 1     | 133.25 |
| 2     | 327.0  |
| 3     | 35.35  |

NOTES

Hover (steady)

Beschreibung :  
Standsschwebe, entweder tief (im Bodeneffekt, in-ground-effect IGE) oder hoch (out-of-ground-effect OGE).

Limits :  
Heading +/- 10°  
Altitude +/-10ft (IGE) , +/-20ft (OGE)  
drift 12ft (IGE) , 12ft (OGE)

Hover (moving, turns)

Beschreibung :  
Bewegung des Helikopter in verschiedene Richtungen in der Standsschwebe

Limits :  
Heading +/- 10°  
Altitude +/-10ft (IGE), +/-20ft (OGE)  
drift 12ft (IGE) , 12ft (OGE)  
constant rate of movement  
constant rate of turn

Level Flight

Beschreibung :  
Geradeausflug.

Limits :  
Heading +/-10°  
Altitude : +/-100ft  
Speed +/-10kts  
Trim +/- ball width

30° AOB level turn

Beschreibung :  
Ein Turn auf ein neues, vom IP (Instructor Pilot) vorgegebenen neuen Headings mit 30° AOB (angle of bank)

Limits :  
neues Heading +/-10°  
Altitude +/-100ft  
Speed +/-10knots  
Trim +/- ball width

Acceleration / Deceleration

Beschreibung :  
Aus einem stabilen Hover in 10ft auf 30kts beschleunigen und wieder abbremsen in ein Hover.

Limits :  
Heading +/- 10°  
Altitude max +10ft, -5ft  
drift : stay on runway

Return-To-Target (Zoom&Dive)

Beschreibung :  
Pitch-up auf 45° nose high. Dann harter turn (cyclic und pedals) bis man nose down auf dem gegengesetzten Heading ist. Recovern.

Limits :  
neues Heading +/-10°  
Trim +/- ball width

| OTHER FLIGHTS |          |           |        |                    |       |       |
|---------------|----------|-----------|--------|--------------------|-------|-------|
| Callsign      | Mission  | Airframe  | Freq   | TCN                | GrpId | Laser |
| Edelweiss 4   | Training | 3x AH-64D | 133.5  | 21/84              |       | 174X  |
|               | AO       |           | Task   |                    |       |       |
| Monster 1     | Training | 1x A-10C  | 132.15 | 25/88              | 21    | 161X  |
|               | AO       | R62       | Task   | AAR & ILUM         |       |       |
| T-Rex 2       | Training | 3x A-10C  | 132.25 | 25/88              | 25    | 157X  |
|               | AO       | R66       | Task   | AAR & ILUM         |       |       |
| T-Rex 4       | Training | 4x A-10C  | 132.45 | 25/88              | 25    | 157X  |
|               | AO       | R66       | Task   | Night Formation    |       |       |
| Lion 1        | Training | 4x F-16C  | 134.0  | 41/104             |       | 158X  |
|               | AO       | BFM Area  | Task   | Fox3 Training HOT! |       |       |

| 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          | L    | O   | T   | H  | E  | S   | P  | I  | N  |    |
| KTC 1400 C |      |     |     |    |    |     |    |    |    |    |
|            | 0    | 1   | 2   | 3  | 4  | 5   | 6  | 7  | 8  | 9  |
| A          | WCDX | BSP | NIK | UH | RF | AMV | JT | GQ | OY | LE |
| B          | PSIU | OQR | MGF | VT | CY | KNL | BE | HX | AJ | DW |
| C          | DBEC | JIG | PRV | TH | LW | NXM | FQ | AO | SU | YK |
| D          | PXSA | LYU | HNC | OI | GQ | DEV | KM | FR | WT | BJ |
| E          | EWMX | QIF | TNO | DC | BG | LPY | UK | HA | VJ | RS |
| F          | CHYA | LWK | UIP | MX | GE | DRF | VQ | SO | TN | BJ |
| G          | JWXH | STA | QCG | LD | BK | ERY | UF | IM | OP | NV |
| H          | HMXL | ETJ | OUK | VW | CP | FSQ | YR | NB | ID | GA |
| I          | VQWC | ADT | KOL | MS | XI | NPY | HR | BG | FJ | UE |
| J          | ATER | WHB | DCM | JV | UI | LXK | GQ | PF | YO | SN |
| K          | BCSJ | QMF | UAP | TY | KD | RHE | VG | XL | IO | WN |
| L          | PKOX | SWL | NCD | QB | JG | HYF | RT | AU | VE | MI |
| M          | JKIP | ROG | QBX | NH | UT | LCA | VF | SD | MW | EY |
| N          | AMYD | IXW | KSH | QN | EP | GTB | UR | OJ | CV | LF |
| O          | EFSG | DCQ | BYM | XH | WR | ONA | TI | LJ | PU | VK |
| P          | RYFI | VXS | LOW | JA | MD | HUG | KP | NB | EQ | CT |
| Q          | YEWM | LFA | TQD | VX | NB | GOI | CR | SJ | HP | UK |
| R          | QGVD | KYH | XIJ | EB | FS | LUC | PM | RT | NW | AO |
| S          | VSKW | JXA | IOC | GQ | YL | UFH | ND | RE | BT | MP |
| T          | JTQD | PKO | RHF | VS | XI | ECM | BU | NY | LG | WA |
| U          | XUCM | HOP | DRV | FL | TI | JSA | BG | QY | WN | KE |
| V          | BOIP | NWQ | UJF | AL | GV | KME | YC | DH | TX | SR |
| W          | QTFW | UEH | PKC | MX | ND | RVA | IJ | BY | OG | SL |
| X          | MIOP | GAX | CRH | VL | WB | YKJ | SE | FU | DQ | NT |
| Y          | ANYT | EFV | IKL | SO | XJ | GBW | QU | RD | PM | HC |

| 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  
BLACKJACK  
377.800

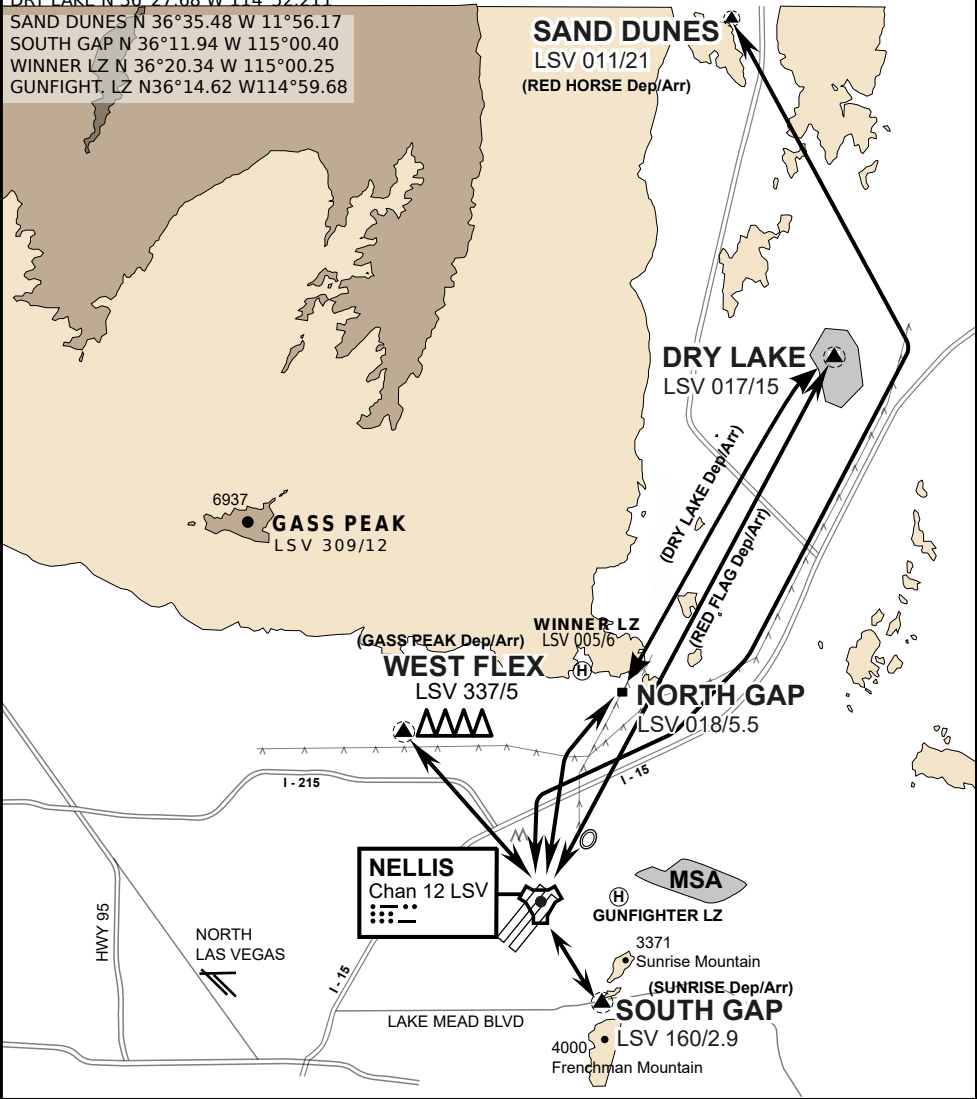
CAUTION: If unable to comply  
with restrictions advise ATC  
prior to departure.

**VMC ONLY**

if below WX Minima request SVFR



JOLLY PAD N 36°15.08 W 115°01.65  
WEST FLEX N 36°18.64 W 115°08.00  
NORTH GAP N 36°20.00 W 114°59.30  
DRY LAKE N 36°27.68 W 114°52.211  
SAND DUNES N 36°35.48 W 11°56.17  
SOUTH GAP N 36°11.94 W 115°00.40  
WINNER LZ N 36°20.34 W 115°00.25  
GUNFIGHT, LZ N36°14.62 W114°59.68



HELICOPTER ARRIVAL AND DEPARTURES ROUTES

ATIS  
270.100  
NELLIS GROUND  
275.800  
NELLIS TOWER  
327.000  
BLACKJACK  
377.800

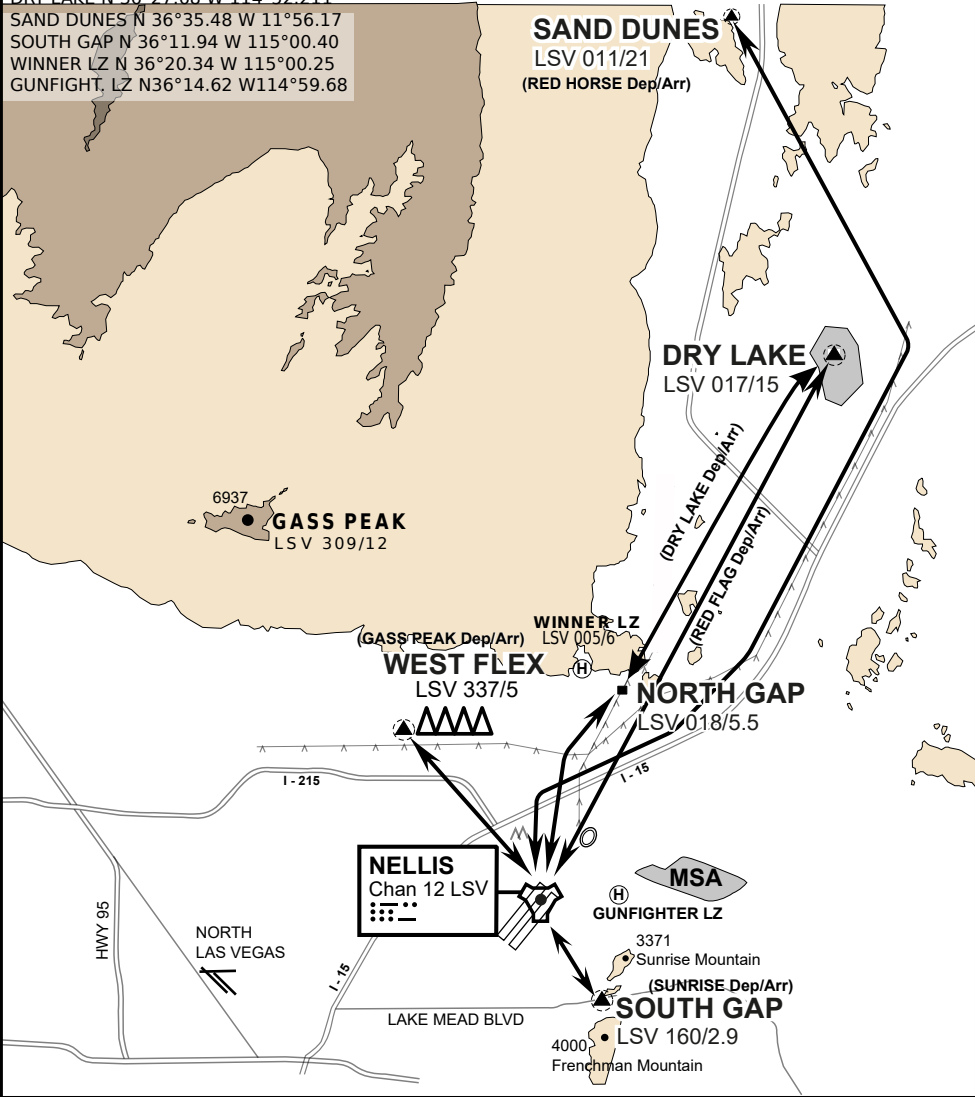
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HELICOPTER ARRIVAL AND DEPARTURES ROUTES