Show Name: _____

1. **UPON ARRIVAL TO SITE T:-08:00:00**
   - ☐ Confirm Site Plan & details of site
   - ☐ Take Photos of setup area
   - ☐ Check-in with client
   - ☐ Confirm number of drones
   - ☐ Confirm number of batteries
   - ☐ Check all necessary equipment
   - ☐ Check weather and wind forecasts
   - ☐ Brief Crew on do's & don'ts and show setup
2. **POWER ON CHECK**
   - ☐ Bluetti
   - ☐ Network Power Strip
   - ☐ Laptops / CC
   - ☐ Blackmagic Screen recorder
   - ☐ Access point(s)
   - ☐ RTK BS
   - ☐ Drones
   - ☐ Network Communication
   - ☐ Timecode test
   - ☐ GPS Survey Accuracy (0.35)
   - ☐ Redbutton Injecting data
3. **SHUTDOWN CHECK**
   - ☐ Drones unplugged
   - ☐ Power off bluetti
   - ☐ Laptops
   - ☐ RTK BS
   - ☐ Network Power Strip
   - ☐ Access Points Disconnected

Pre-flight Checklist

1. **SYSTEM CHECK T:~06:00:00**
   - ☐ Start recording on black magic
   - ☐ Drones Added to fleet
   - ☐ GPS injecting Data
   - ☐ RTCM Data Received
   - ☐ Correct Show (Dance) Loaded
   - ☐ Show coordinates (lat, long, alt.)
   - ☐ Show heading correct (verify w/ email)
2. **DRONE CHECK**
   - ☐ Pre-flight inspection
   - ☐ Pre-Flight Errors
   - ☐ Fleet replenished
   - ☐ Drone Heading check
3. **CONTROL CENTER CHECK**
   - ☐ Confirm spacing between hard and normal fence set to one half meter
   - ☐ 2D Map displays adjust and push Geofence
   - ☐ Upload Location
   - ☐ Assign by location
   - ☐ Set drone parameters
   - ☐ Upload paths
   - ☐ Set path parameters
   - ☐ Show heading Check (verify w/email)
   - ☐ Calibrate as needed (bottom 3 columns)
   - ☐ 3D Map check paths not crossing
   - ☐ Confirm horizontal distance to first point < 2M
   - ☐ Maximum altitude
   - ☐ Minimum altitude
   - ☐ Battery percentages
   - ☐ Drones unplugged
   - ☐ Stop recording
4. **POWER ON DRONES T:-01:00:00**
   - ☐ Start recording
   - ☐ Drones plugged in
   - ☐ Drones count verified
5. **PREFLIGHT CHECK T:-00:30:00**
   - ☐ VOs com check
   - ☐ VOs position check
   - ☐ Clear Grid
   - ☐ GPS quality (12 sats needed)
   - ☐ 3D view path check
   - ☐ Batteries at required levels
6. **15 Minute Rule T:-00:15:00**
   - ☐ Confirm show ready
   - ☐ Confirm all safety standards met
   - ☐ Call COA number if specified on call sheet or required for airspace
7. **FLIGHT CHECK Initiate Launch Sequence**
   - ☐ ARM Drones
   - ☐ Set Time (00:02:30:00)
   - ☐ Upload time
   - ☐ Dance Command
   - ☐ Confirm Drones are in Auto Mode
   - ☐ Drone Lights on (10 seconds before launch)
   - ☐ Countdown and LAUNCH
8. **IN FLIGHT CHECK**
   - ☐ System Status
   - ☐ Countdown Animation End
9. **LANDING CHECK**
   - ☐ All Drones Landed?
   - ☐ Report "Grid Clear"
10. **POST FLIGHT CHECK**
    - ☐ Total Hole Count
    - ☐ Missing drone recovery
    - ☐ Power off Drones
    - ☐ Stop recording
    - ☐ Post Flight Report
    - ☐ Checkout with client

RPIC Signature:

X_____

Date: _____

Copilot Signature:

X_____

Date: _____

EMERGENCY PROCEDURES

LOSS OF PRIMARY OR SECONDARY COMMUNICATION

- Confirm COM port activated
- Reboot Rebutton software verify GPS injection
- Network equipment
- CC network connection
- Backup antenna

IF radio connection cannot be reestablished

- Verify Land of all Drones

LOSS OF DSS

- Restart DSS
- If required, restart PC
- Alternatively use backup PC

AIRCRAFT INBOUND < 500ft AGL

- HIGHLIGHT ALL
- Dist. < 1NM outside NOTAM
- Entering NOTAM area

OUTSIDE WEATHER LIMITS

- If wind > 25mph
- If visibility below minimums
- If rain is more than moderate

DRONE FLIES OUT OF RESTRICTED ZONE

- Make immediate evaluation of how to proceed safely
- Hold, land, or disarm accordingly
- **UPON ALL DRONES LANDING**
- If no injury
    - Immediately notify Preston Ward
- If there is injury
    - Call 911
    - Call the NTSB (following procedure below)
    - Call Preston Ward- 817-538-3207
    - Within 10 days fill out Drone Zone report and send proof to Preston Ward via email

ABNORMAL PROCEDURES

GPS LOSS

- Note loss of drones
- Inform RPIC
- Abort Show
- Recover landed drones
- Total count

NTSB CONTACT PROCEDURE

Contact the NTSB's 24-hour Response Operations Center (ROC) at 844-373-9922 to file a report. Contacting the ROC satisfies 49 CFR 830.5. A phone call is sufficient initially, but a written follow-up may be required. When you contact the NTSB, 49 CFR 830.6 spells out exactly what needs to be reported to them.

The notification required in § 830.5 shall contain the following information, if available:
(a) Type, nationality, and registration marks of the aircraft;
(b) Name of owner, and operator of the aircraft;
(c) Name of the pilot-in-command;
(d) Date and time of the accident;
(e) Last point of departure and point of intended landing of the aircraft;
(f) Position of the aircraft with reference to some easily defined geographical point;
(g) Number of persons aboard, number killed, and number seriously injured;
(h) Nature of the accident, the weather and the extent of damage to the aircraft, so far as is known; and
(i) A description of any explosives, radioactive materials, or other dangerous articles carried.