

SkyLume Risk Management Protocol

1. Contract Signing and Initial Planning

- **Risk Assessment and Site Evaluation:** Upon contract signing, SkyLume conducts a preliminary risk assessment. This includes evaluating the event site, identifying potential hazards, and determining whether there are any environmental or logistical constraints that could impact the drone display.
- **Client Briefing:** SkyLume holds an initial briefing with the client to review the event's details, venue conditions, and any specific risk factors. We confirm any unique requirements (e.g., local restrictions, noise regulations) and address them proactively.

2. Pre-Event Preparations

- **Flight Path Design and Safety Checks:** We design the drone flight path to ensure safe distances from spectators, structures, and wildlife. Our team uses simulation software to confirm all trajectories and adjust paths if necessary.
- **Permissions and Compliance:** SkyLume secures any necessary permits, licenses, or permissions from local authorities or air traffic control agencies. We work closely with regulators to ensure compliance with regional airspace and safety laws.
- **Weather Monitoring:** From seven days before the event, SkyLume monitors weather forecasts closely. We track conditions such as wind, precipitation, and visibility to anticipate any issues that may impact flight safety.
- **Equipment Preparation:** All drones undergo inspection, testing, and battery optimization to ensure operational readiness. Backup drones and equipment are prepared to mitigate potential technical issues.

3. Event Day Protocols

- **On-Site Safety Briefing:** Our team conducts a final safety briefing with the event staff and any relevant stakeholders. We review emergency protocols, establish safe zones, and assign roles to our team members for monitoring and incident response.
- **Real-Time Weather and Environmental Monitoring:** SkyLume has a real-time weather and environmental monitoring station on-site to track any immediate changes. We have a go/no-go decision point based on conditions at the event time.

- **Redundancy and Technical Checks:** Our team performs final technical checks on drones and equipment, ensuring all backup systems are operational. We prepare for unexpected issues by having a secondary control system ready.

4. Show Execution

- **Flight Monitoring and Team Coordination:** SkyLume's team supervises all drones during the show, ensuring adherence to planned flight paths and safety zones. Team members are positioned for clear communication with the control center, enabling quick responses to any issues.
- **Spectator Safety and Perimeter Security:** We coordinate with event security to maintain a clear perimeter around the flight zone, ensuring spectators are safely distanced. Our team is equipped to pause or halt the display if any breaches occur.
- **Emergency Response Plan:** In the event of an unexpected issue (e.g., weather changes, equipment failure), SkyLume's team is trained to initiate an emergency landing protocol. Drones can be safely grounded or returned to base immediately.

5. Post-Show Wrap-Up and Reporting

- **Debrief and Equipment Check:** After the show, all drones and equipment are inspected for any potential issues. This debrief ensures equipment is secure and ready for transport, and any faults are logged for maintenance.
- **Client Feedback and Report:** SkyLume provides the client with a post-show report, including details on the performance, any risk mitigations taken, and environmental impacts. We gather client feedback to continuously improve our risk management protocols.
- **Data and Incident Analysis:** In the event of any incidents, SkyLume performs a detailed analysis to identify root causes and document any preventive actions for future shows.

6. Continuous Improvement

- **Risk Assessment Updates:** SkyLume regularly updates its risk management protocols to incorporate new safety technology, industry best practices, and client feedback.
- **Staff Training:** SkyLume's team undergoes ongoing training on safety protocols, emergency responses, and new technologies to ensure top-quality service and safety.