



GEOSCAN

DRONE LIGHT
SHOW

Technical rider

Schedule

- Contract is to be signed 1 month before the show.
- Final animation corrections are to be made and approved not later than 7 working days before the show.
- The necessity of test flight (rehearsal) is negotiable. Test flight is arranged 2 days before show.

Permits

To arrange a show it is necessary to coordinate the flight with town/city administration.

! Please note: obtaining a permit can take up to 2 months.

The permit procedures vary in different countries. Geoscan assists a permit obtaining by providing necessary documents.

Show site

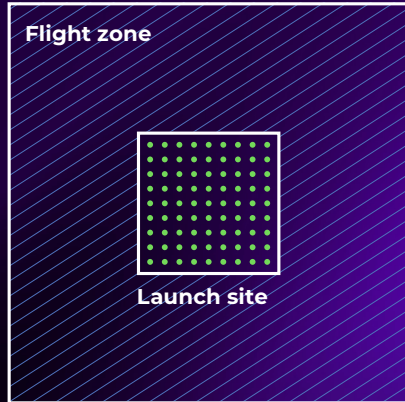
- Flat acclinal ground with dry solid surface. Best options are: asphalt, concrete, firm soil, synthetic turf, flat roof. The site is to be approved by a Geoscan specialist.
- No lofty trees, high buildings, power lines, cell towers and other constructions close to the flight site as far as they can cause interference to drones during show and limit the sight to the sky at the launch.
- No unauthorized persons are allowed to the launch pad during the preparation, show and one hour after the performance.
- Airspace over and nearby the site should be enough for animated forms. No viewers or cars are allowed to the area during the flight.

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Acceptable sites

Show site



Preferable launch site and flight zone dimensions depend on animation and drones number. These figures are to be agreed in advance. No viewers are allowed to enter the flight zone. Access to the launch site is for operating personnel only.



Make sure there are no large objects between spectators and the flight area to spoil the view.

Weather conditions

- Show can't be rendered at wind speed 5–10 m/sec and heavy rain/snow/etc. (more than 5 mm/h).
- Flight duration reduces at temperature below 10 °C. The lowest operational temperature for the show is -10 °C.

Radiofrequency requirements

- No GNSS suppressors must be operating in the show area at the following frequencies:

Control channel	2400–2484 MHz
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GPS (L1, L2)	1574–1577 MHz
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GLONASS	1596–1599 MHz
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Navigation channel	868–870 MHz
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- No operating signal suppressors influencing DJI drones are allowed in case of using such drone for filming.

Equipment storage and flight preparation

- It's very desirable to arrange a room close to the flight site in order to secure the equipment from weather and unauthorized access. The 24/7 access to the equipment for Geoscan team is mandatory.
- In case there's no appropriate room it's required to arrange a parking spot for the truck and handling operations and an operating area in case of bad weather (tent 5 × 5 m or similar). Network access (socket, extension cords, generator) is desirable.

Logistics

- Team and equipment transportation to the show area is to be agreed in advance. Transport and lodging costs are charged in the show price.
- Team and equipment arrive to the flight site 1-2 days before the test flight.
- The team must have an access to the flight site when needed.

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Coordination with other providers

- If a drone show needs to be coordinated with music, laser, light or other performances, please inform the project manager in advance.
- Drone show can be mixed with fireworks. The schedule and relative positions of the sites are to be agreed in advance.

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