

# Firework Genix Firework Displays Method Statement

Last Updated: October 2021

FireworkGenix purpose is to produce professional firework displays, fired electrically, choreographed to a custom soundtrack, with event lighting and laser accompaniment; and provide associated entertainments such as Sparklers, Confetti and Flame effects.

These documents explain the measures, procedures and practices associated with fulfilling this safely, efficiently and legally.

These documents exist to overcome the impracticality of the need to carry out a Risk Assessment for every aspect of our work, for every event we work at. Hence all generic risks are covered in these documents, and any specific risks to an event are covered in specific Risk Assessments for that event.

All of the Method Statements must be read in conjunction with one-another and not treated as separate documents. In addition, the Method Statements must also be read in conjunction with the Health & Safety Policy, Terms & Conditions of Displays and Site Visits / Risk Assessments specific to each event.

Due to the nature of the company, working with both dangerous goods and electricity outdoors, security and safety are treated with the utmost importance. All practices are carried out, and additional decisions made with safety and security as the priorities.

No member of the Crew, or indeed any person, shall be allowed access to sites/units or to work for the company without having received in house training including all method statements, policies and risk assessments. This shall be refreshed at least annually.

It is the opinion of Firework Genix that all reasonable foreseeable hazards associated with our purpose (above) have been addressed and adequately controlled. In doing so, reasonable practicable steps to ensure health, safety and welfare of the Crew (including volunteers and sub-contractors), spectators, property and General Public have been taken.

This document must be available for anyone working for Firework Genix or accessing any of its facilities, and be updated at least annually or whenever changes require it

Further Method Statements for our specific procedures are:

- Display Setup
- Display Firing
- Display Clearing
- Waste Disposal
- Storage
- Workshop
- Transport
- Sparklers
- Lasers
- Electrical Display  
*Covering the PA and Lighting Systems*
- Flame Shows

## Security

- Unauthorised access must be dealt with by assessing the risks and taking appropriate action to make safe the situation, such as contacting the Police
- All documents relating to security must themselves be kept secure

## Safety

- All fireworks used must conform to current British Standards
- Manual Handling policies must be followed at all times
- Fire fighting and First Aid equipment must be easily accessible
- All equipment and tools must be visually inspected and any in poor condition or damaged should not be used until repaired/replaced



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## Personnel

All persons whilst working for Firework Genix must

- Be over the age of 18
- Never take drugs and/or consume alcohol whilst working
- Never have evidence of drug or alcohol use in their system while working
- Not smoke on a display site, in a company vehicle or at a company unit
- Have read all method statements, training documents, health & safety policies and risk assessments
- Carry a mobile phone in case of emergency
- Be constantly aware of potential hazards and engage in proactive risk management
- Be clear on their role and responsibilities
- Be able to use any fire fighting equipment
- Be trained in using all equipment they require for the work they are doing
- Take responsibility for their own health and safety

## Working Practices

Prior to any display, a potential display site must be visited by Firework Genix to carry out a risk assessment, ensuring:

- the site is suitable for the size and type of display required
- adequate safety distances are available, being at least 1mm shell diameter = 1m additional safety distance required with nil wind
- an adequate fallout zone can be accommodated with no buildings, vehicles, etc
- vulnerable establishments such as hospitals, stables, etc are notified
- there are no high risk installations such as overhead cables, petrol stations, airfields, etc nearby
- adequate provision by the Client of fire fighting equipment, first aid facilities, crowd management strategies including barriers, marshalls, signage, etc and emergency plans including escape routes, emergency services communication, lighting, etc

Following this the Client will be required to sign a copy of the Terms & Conditions, which will include any action required by them to fulfil these conditions and anything identified by the Risk Assessment

## Risks

The following are the possible risks to the public and crew from firing a firework display:

- Loss of Life                      Due to poor manufacturing
- Lung Damage                      From smoke inhalation
- Skin Damage                      From fire, heat and/or explosion
- Hearing Damage                      By sound
- Sight Damage                      By flash or sparks

These risks are minimised through use of all of our working practice documents, training and risk assessments. Specific risks to each event, such as vehicles, scaffolding and slips/trips/falls shall be addressed in that events risk assessments.

## Emergency Procedures

- All incidents, including near-misses, must be reported immediately to assess and make safe the situation
- The Emergency Services must be contacted if any immediate risk to public safety
- In any case of emergency, the instructions of the Senior Person must be followed

The Senior Person (unless otherwise stated) is Steve Day. In the case of incapacitation a secondary person must always be nominated.

END.