



**DEPARTMENT OF FORESTRY AND FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHAL  
FIRE ENGINEERING AND INVESTIGATIONS**

P.O. BOX 944246  
SACRAMENTO, CA 94244-2460  
(916) 568-2948  
Website: [www.fire.ca.gov](http://www.fire.ca.gov)



**Date:** November 21, 2024

**To:** General Fireworks Advisory Committee

**From:** Caleb Phillips, Fireworks Program Coordinator

**SUBJECT/AGENDA ACTION ITEM:**

Regulation Proposal for Pyrotechnic Drone Show Requirements (Phillips)

**Recommended Actions:**

Information only

**Background Information:**

Drones or Unmanned Aerial Systems (UAS) are increasingly being used to augment public displays of dangerous fireworks, in particular, the use of these devices to mount dangerous fireworks to the UAS and/or use the UAS as a launch platform for the dangerous fireworks. To date there have been three shows in California that the Office of the State Fire Marshal (OSFM) has been made aware of and in each case the local Authorities Having Jurisdiction (AHJs) have contacted OSFM for assistance and information regarding local permits of these devices. Title 19 was last updated in the mid-1990s, prior to the commercial availability of UAS and does not contain any directives regarding use of UAS within public displays of dangerous fireworks.

**Analysis/Summary of Issue:**

AHJs have contacted OSFM for guidance regarding requirements and recommendations for the usage of UAS within public displays of dangerous fireworks. Currently, OSFM has no specific guidance regarding these devices but is proposing to add to the pre and post display reports to include information about the usage of the UAS in public displays of dangerous fireworks.

The intent of requiring this information is to gather intel and knowledge about the usage of UAS to determine if future rulemaking is required and to inform said rulemaking.

**Potential Industry Impacts:**

Minimal impact to industry is expected as this is a nominal increase in reporting requirements. The post display report is already a requirement, and therefore the only additional proposed requirement would be a pre-display report. This report will contain information about the UAS usage in the public display of dangerous fireworks.

**Action Items:**

Information Only