

PROXIMATE PYROTECHNICS CHECKLIST

(Shooter/Firing Technician)

l. Pre-F	Production Checklist (Pyrotechnician)	
1.	Prepare and file permit application for pyrotechnics (NFPA 1126: 4.2, 4.3).	
2.	Prepare pyrotechnic material description (NFPA 1126: 4.3.2 (j).	
3.	Review production schedule.	
4.	Installation plot plan and specifications (NFPA 1126: 4.3.2 (k).	
5.	Determine insurance levels, have insurance certificate prepared with	
	appropriate additional insurance filed (NFPA 1126: 4.3.2 (i).	
6.	Determine any pyrotechnic licenses required and other qualifications of	
	Personnel (NFPA 1126: 4.3.2 (h).	Ш
7.	Plan pyrotechnic transportation, handling and storage (NFPA 1126: 3.1, 3.2).	
8.	Determine and plan for security requirements (NFPA 1126: 6.1.3, 6.1.4, 6.5.6).	
9.	Determine venue management contact information (NFPA 1126: 4.3.2, 6.1.3).	
II. Site	Inspection Checklist (Pyrotechnician & Venue Management)	
1.	Confirm venue management consent to pyrotechnics.	
2.	Confirm venue management or production permit for event.	
3.	Verify plot plan measurements and accuracy (NFPA 1126: 4.3.2 (j) and (k).	
4.	Verify AHJ approval of venue compliance with life safety standards.	
5.	Determine fire protection systems, controls and equipment.	
6.	Determine HVAC systems and controls.	
7.	Determine show management production plan.	
8.	Determine venue management safety plans, crowd control, security and	
	emergency plans and procedures.	
9.	Determine personal safety requirements for pyrotechnicians (e.g., fall	
	protection plans and equipment).	
10.	Verify AHJ approval of flame retardant materials in public areas and	
	pyrotechnic installation sites.	
11.		
	1126:3.1.1, 4.3.2 (I) and (m), 6.1.3, 6.1.4).	
12.	Determine hazmat shipping depot (venue) if required.	

III.	Prod	duction Meeting Checklist (Production Management)	
	1.	Confirm installation plan and schedule (NFPA 1126: 4.2, 4.3).	
	2.	Schedule live pyrotechnic demonstration (NFPA 1126: 4.4.1, 4.4.2).	
	3.	Schedule rehearsal and performance.	
	4.	Determine need for HVAC/fire protection system control adjustments and	
		personnel responsibilities (NFPA 1126: 4.4.3, 6.1.6, 6.6.6, 6.7.6, 6.7.7).	
	5.	Assign responsibility for hazard communication with participants and staff	
		(NFPA 1126: 6.6.1).	
	6.	Review emergency action plan and assign responsibilities.	
	7.	Coordinate pyrotechnic control points, communications and line of sight	
		(NFPA 1126:6.3.5, 6.3.6, 6.6.5).	
	8.	Review crew lists and assignments.	
	9.	Review safety plans and procedures and personal protective equipment	
		NFPA 1126:6.5.7).	
IV.	Wal	kthrough Inspection Checklist (AHJ)	
	1.	Pyrotechnic walkthrough and demonstration:	
		a. Confirm venue management consent to pyrotechnics.	
		b. Verify pyrotechnic plot with actual site dimensions/adjustments.	
	2.	Type of devices – verify indoor/proximate use & performance specifications	
		(NFPA 1126: 5.1, 5.2, 5.3, 5.4).	
	3.	Verify quantities, locations, and cueing of devices to be used.	
	4.	Verify secure areas and methods for restricting unauthorized persons from	
		entering.	
	5.	Verify that all devices are securely fixed with proper audience separation:	
		a. Minimum 15ft or 2X fallout radius (NFPA 1126: 6.4.1).	
		b. Concussion mortars min 25ft in secured area (NFPA 1126: 6.4.2).	
		c. Trajectory of comets/mines not over audience (NFPA 1126: 6.2.11).	
		d. Waterfall effect area to be free of flammable materials (NFPA 1126:	
		6.2.12).	
		e. Wire rocket effects to be properly secured and terminated (NFPA 1126:	
		6.2.9).	
		f. Airbursts over audience to be minimum height of 3 times the diameter	
	6.	of effect, and no sparks within 15 ft of floor (NFPA 1126: 6.2.14(1) & (2)). Check fire fighting equipment:	Ш
	0.	a. Minimum of 2 approved water fire extinguishers (NFPA 1126: 6.1.1.1).	
		b. Other firefighting equipment as needed/required (NFPA 1126: 6.1.1 &	
		6.1.1.2).	
		c. Existing on-site fire fighting equipment/systems.	H
	7.	Pyrotechnic firing systems:	
		a. Verify operational/safety features and functions of systems (NFPA 1126:	
		6.3.2 & 6.3.3).	
		b. Verify operator & spotters have clear view of effects and	
		communication with operator (NFPA 1126: 6.3.5).	
	8.	Determine plan for HVAC /detectors adjustments & notification of	
		demonstration.	
	9.	Determine need for demonstration of representative effects.	

10	 Check plans for approved and secure on-site storage and preparation areas (NFPA 1126: 4.3.2 (I), 6.1.3 & 6.1.4): a. Separation from heat/flame sparks (NFPA 1126: 3.3). b. No smoking within 25ft (signage) (NFPA 1126: 6.5.5). c. Materials stored/handled neatly and orderly (NFPA 1126: 6.5.1). Check plan for personal protective equipment for preparation and loading of pyrotechnics (NFPA 1126: 6.5.7). 	
V. Re	hearsal & Show Checklist (Pyrotechnician):	
1.	Hold safety meeting with all participants.	
2.	Hold rehearsal, if required (all requirements of following section apply).	
3.	Performance:	
	a. Determine how final alert will be given to all performers, crew and	
	support personnel and who will give the alert.	
	b. Conduct final inspection immediately preceding performance:	
	i) Confirm pyrotechnic wiring connections and firing system.ii) Confirm device placement, mounting, orientation and	Ш
	readiness.	
	iii) Confirm firefighting equipment in position.	Ħ
	iv) Confirm spotters in place with communication.	Ħ
	c. Execute or fire show:	
	 i) Confirm and maintain audience separation, performers 	
	positioned correctly, support personnel readiness.	
	ii) Confirm and maintain unobstructed view of effects by operator	
	and/or spotter.	\mathbb{H}
\/I P c	iii) Observe effect performance for safe operation. ost-Show Checklist (Pyrotechnician)	
1.	Inspect all pyrotechnic devices to confirm firing (NFPA 1126: 6.7.1).	
2.	Confirm the integrity of fallout zones and adjacent areas.	H
3.	Return unfired devices to approved storage or repackage for transportation	
	(NFPA 1126: 6.7.2).	
4.	Confirm reactivation of any disarmed fire detection/HVAC systems to normal	_
	operating mode (NFPA 1126: 6.7.6).	
5.	File post-show report, if required.	