Note: PLEASE DO NOT STAPLE

1.	Item Name:	This is a series application (Y/N):
2.	Company Name:  Address: Phone: Fax:	
		icant must provide a designated U.S. agent of service (name of ress and phone number required).
	U.S. responsible party:  Name/Affiliation: Address: Phone: Fax: Email:	
3.	DOT Class:	
	☐ Fireworks UN 0336, 1.4	G Fireworks UN 0335, 1.3G
	☐ Fireworks UN 0333, 1.1	G Article Pyrotechnic UN 0431, 1.4G
	☐ Oth	er:
4.	Address:	
5.	Category of Device: (una	ler APA 87-1):
	☐ Cylindrical Fountain	☐ Cone Fountain
	☐ Rocket	☐ Mine/Shell
	☐ Roman Candle	☐ Wheel
	☐ Reloadable Shell Kit	☐ Other:
	☐ Aerial Shell (non-salute)	ı
	□ Aerial Shell (salute)	☐ Other:

Description of Device:		
Number of tub	es:	
Tube separati	on (over 200 gram device):	
Diameter of de	evice (or range of diameters for a series):	
Maximum pow	der weight per tube:	
For 1.4G mine	/shell: Max. propellant/tube:	
Maximum	effect/tube (including burst):	
Total powder	veight in device:	
Tubes are fus	ed in sequence (if UN0336 multiple-tube item) (yes	s / no)
Number of rep If yes, max. w	e a report? (yes/no) orts per tube: Number of tubes: eight per individual report: mg f report powder in item: grams	
Effect produce	d (e.g., shoots red star in air):	
	le Shell Kits: able shell kits are limited to 400 grams of pyrotechnic composatio not to exceed 12 shells to 1 tube)	sition and must

## 10. Thermal stability test results:

A thermal stability test of this device was performed on					
(date)	(name of tester)	(job title)	(company)		
The test was performed on: □ finished item □ component chemical mixtures, as present together in the device. The device did not ignite, explode, or undergo any significant decomposition during heating at 75° C (167° F) for 48 hours.					

## 11. Certification:

This is to certify that the device for which approval is requested conforms to APA Standard 87-1 and that the descriptions and technical information contained in this application are complete and accurate.

(date) (Signature of applicant named above) (typed name of applicant, in English)

Chemical Composition List for (Item name): Total weight of pyrotechnic composition in Item:							
Effect and total weight for each composition (e.g., red star – 21 g; propellant – 18 g):  1, g						,g	
	g 4.		,g Weight %	6.		,g	
			weight %				
Chemicals <sup>1</sup>		1	2	3	4	5	6
Potassium Nitrate	KNO <sub>3</sub>						
Potassium Perchlorate	KClO <sub>4</sub>						
Ammonium	NH <sub>4</sub> ClO <sub>4</sub>						
Perchlorate							
Barium Nitrate	Ba(NO <sub>3</sub> ) <sub>2</sub>						
Strontium Nitrate	Sr(NO <sub>3</sub> ) <sub>2</sub>						
Sulfur							
Charcoal							
Aluminum****							
Magnallum ****	Mg/Al alloy						
Dextrine							
RESTRICTED		1	1	1			
Potassium Chlorate	KCIO <sub>3</sub>						
Magnesium							
Titanium***** See Note							
NOTE(s):							

\*\*\*\* titanium - particle size must be larger than 149 microns

\*\*\*\* particle size must be provided for all metals in the Fireworks (EX) Approval Application

<sup>(1)</sup> The above list is from Table 4.3-1 of APA Standard 87-1, "Standard Fireworks Chemicals".

<sup>(2)</sup> Each chemical must be listed in Table 4.3-1

<sup>(3)</sup> For specifics on the Restricted Chemicals, see APA Standard 87-1

## DIAGRAM OF DEVICE

(note: include and mark all dimensions, fusing sequence	e, external ignition fuse, empty tubes, effects)
Item Name:	This is a series application (Y/N):