

# **RSA-MIL-STD-124**

## ***PYROTECHNIC COMPOSITIONS: QUALIFICATION OF***

### **SCOPE**

#### **1. Purpose**

Pyrotechnic compositions are mixtures of chemicals which can perform one or more of the following effects or uses:

- . Production of visible light or infra-red radiation
- . Production of heat
- . Generation of gas for the purpose of producing propulsive force or making noise
- . Generation of smoke
- . Effecting time delays
- . Actuating of explosive filled pyrotechnic devices

Although all compositions fall into the general category of explosives, their properties vary widely in both their sensitivity and hazardous nature. Interim qualification requires that relevant information is made available to enable assessment by comparison with approved military pyrotechnic compositions for which adequate safety has already been demonstrated. The information considered to be necessary for such an assessment is listed in this standard.

A satisfactory assessment on the basis of the tests described herein is necessary before a new pyrotechnic composition can be considered for use in a product intended for military use. However, it does not constitute approval or qualification for that specific application. Approval for use in a particular military store is subject to the safety and suitability of the pyrotechnic composition being demonstrated in that store. This is done by performing appropriate tests as described in the relevant Design Qualification Specification.

#### **2. Applicability**

This standard is applicable to new and modified pyrotechnic compositions intended for use in military products. It establishes the test methods to be used in their assessment for interim and formal qualification.