



Standard Terminology for Homeland Security Applications¹

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1. Scope

1.1 This terminology provides definitions and abbreviations of terms used in ASTM International standards pertaining to homeland security applications.

2. Referenced Documents

2.1 *ASTM Standards*:²

E2411 Specification for Chemical Warfare Vapor Detector (CWVD)

3. Significance and Use

3.1 In this terminology, definitions used in other ASTM International standards are indicated by following the definition with the designation of the subcommittee responsible for that standard.

¹ This terminology is under the jurisdiction of ASTM Committee E54 on Homeland Security Applications and is the direct responsibility of Subcommittee E54.92 on Terminology.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

4. Terminology

4.1 Definitions:

add-on, n—in sensors and detectors for homeland security applications, any additional parts that provide tailoring of a personal detector's functionality for specific applications.

E2411

4.2 Abbreviations:

GA—nerve agent—common name: tabun, IUPAC name: O-Ethyl N,N-dimethyl phosphoramidocyanidate

GB—nerve agent—common name: sarin, IUPAC name: Propan-2-yl methylphosphonofluoridate

GD—nerve agent—common name: soman, IUPAC name: 3,3-Dimethylbutan-2-yl methylphosphonofluoridate

GF—nerve agent—common name: cyclosarin, IUPAC name: Cyclohexyl methylphosphonofluoridate

HD—blister agent—common name: distilled mustard, IUPAC name: Bis(2-chloroethyl) sulfide

L—blister agent—common name: lewisite, IUPAC name: 2-Chloroethenylarsonous dichloride

5. Keywords

5.1 decontamination; detection; homeland security; preparedness

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