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## Sommario/riassunto

This report assesses the configuration-management and performance-  
 verification options for the development and regulation of commercially  
 available Explosive Detection Systems (EDS) and other systems  
 designed for detection of explosives. In particular, the panel authoring  
 this report (1) assessed the advantages and disadvantages of methods  
 used for configuration management and performance verification  
 relative to the FAA's needs for explosives-detection equipment  
 regulation, (2) outlined a "quality management program" that the FAA  
 can follow that includes configuration management and performance  
 verification and that will encourage commercial development and  
 improvement of explosives-detection equipment while ensuring that  
 such systems are manufactured to meet FAA certification requirements,

and (3) outlined a performance-verification strategy that the FAA can follow to ensure that EDSs continue to perform at certification specifications in the airport environment.

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