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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.
