

Syllabus Report (SYL)

CorePass® Metal Detector Operation



7060:2025

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IQF Level	3	IQF Credit	2
Approved References	Improvised Explosive Device Clearance Good Practice Guide (GICHD, 2021); United Nations Improvised Explosive Device Threat Mitigation Handbook (UN, 2025)		
Special Notes	Skill and knowledge performance must be consistent with approved industry references and meet local laws and standard operating procedures.		

Identify metal detector components and nomenclature 706025D01

Performance	Identify and name the key components of hand-held and walk-through metal detectors including frequency indicators, battery housing, reference samples, volume controls, and protective covers.
Standards	In accordance with organisational doctrine, manufacturer specifications and approved references.
Conditions	Given various models of CEIA CMD and other standard police metal detectors with visual aids and equipment manuals.
Comments	

Assemble and prepare metal detectors for operation 706025D02

Performance	Correctly assemble metal detector components ensuring proper configuration, battery installation, and safety checks prior to operational deployment.
Standards	In accordance with organisational doctrine, manufacturer specifications and approved references.
Conditions	Using standard police metal detector equipment in controlled training environment with manufacturer-supplied components.
Comments	Critical safety step. Assessment must include verification of all mechanical connections and electrical continuity checks.

Demonstrate start-up and calibration procedures 706025D03

Performance	Perform correct start-up sequence, soil compensation, and sensitivity calibration using reference samples and manufacturer protocols.
Standards	In accordance with organisational doctrine, manufacturer specifications and approved references.
Conditions	In metal-free test environment with appropriate reference samples and calibration materials.
Comments	Soil compensation critical for accurate detection. Must demonstrate understanding of environmental factors affecting calibration.

Conduct functionality testing and inspection

706025D04

Performance	Test metal detector functionality including battery status, audible indicators, LED displays, and protective cover integrity.
Standards	In accordance with organisational doctrine, manufacturer specifications and approved references.
Conditions	Using standard inspection protocols with test objects and diagnostic procedures in designated testing area.
Comments	Pre-operational checks essential for reliable performance. Range includes audio, visual, and mechanical system verification.

Apply correct deployment and sweep techniques

706025D05

Performance	Demonstrate proper sweep patterns, height maintenance, and systematic search procedures for effective detection coverage.
Standards	In accordance with organisational doctrine, manufacturer specifications and approved references.
Conditions	During practical exercises covering various terrain types and search scenarios using marked test areas.
Comments	Systematic approach prevents missed areas. Speed should not compromise thoroughness - typical rate 1-2 metres per minute.