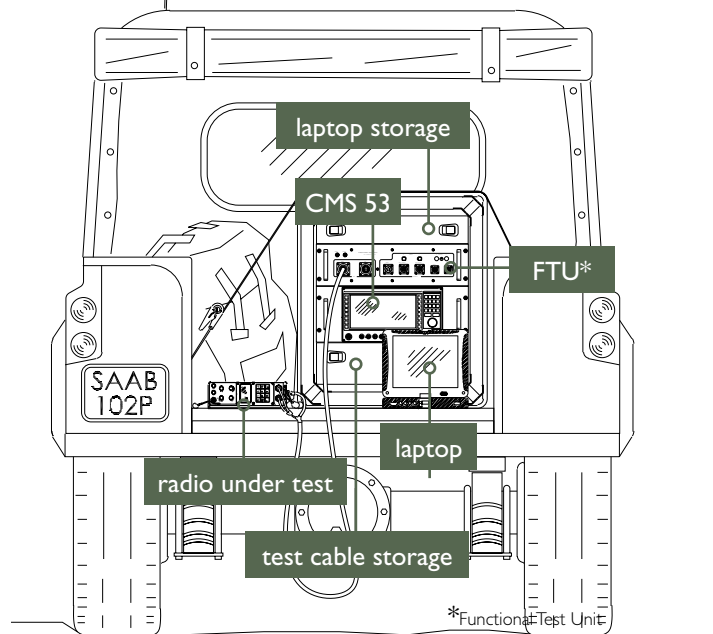


# FUNCTIONAL TEST CAPABILITY

Comprehensive testing & in-service support of communications equipment



The Functional Test Capability provides an operational readiness testing capability for virtually any deployable radio system used in the urban or field environment. The system can be used prior to deployment to confirm operational readiness or as part of a periodic inspection and test program.



## Key Advantages

- Highly Automated**  
 The ruggedised touchscreen laptop permits the rapid selection of the largely autonomous test sequences.
- Flexible**  
 The system can be configured for virtually any type of communication device through the adaptation of the test cable set.
- Portable**  
 The light-weight aluminium alloy transportation container and use of multi-purpose test equipment has enhanced transportability.
- Taskworthy assessment**  
 If a device under test is determined to be only partially functional, limitations and user advice is provided.
- Cost Effective**  
 The advance radio diagnostic capability of the system will help minimise the maintenance and logistic footprint associated with large radio fleets.
- Data Capture**  
 The system captures all test data for the purpose of trend analysis and logistic forecasting.
- Self-Test**  
 The system is equipped with a built-in self test capability.



## Major Elements

- Functional Test Unit**  
 This unit provides the hardware interface to the communication equipment's audio, data and control signals.
- Radiocommunication Service Monitor CMS 53**  
 The CMS 53 provides RF signal generation and measurement facilities.
- Ruggedised Laptop Computer**  
 The laptop computer provides the primary control, test functionality and advanced signal processing. The laptop's pressure sensitive touchscreen is the primary human-machine control interface.
- Functional Test Unit Power Supply**  
 The unit can be powered from AC mains supply or 28V DC.
- Cables**  
 The system contains storage capacity for all cables needed for testing. These cables can be provided in various lengths to allow in vehicle or remote testing of communication equipment if required.



## SAAB SYSTEMS

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