SOVERON CRYPTO
SECURITY MANAGEMENT SYSTEM

For SOVERON radios

Product Brochure
Version 03.00

ROHDE & SCHWARZ
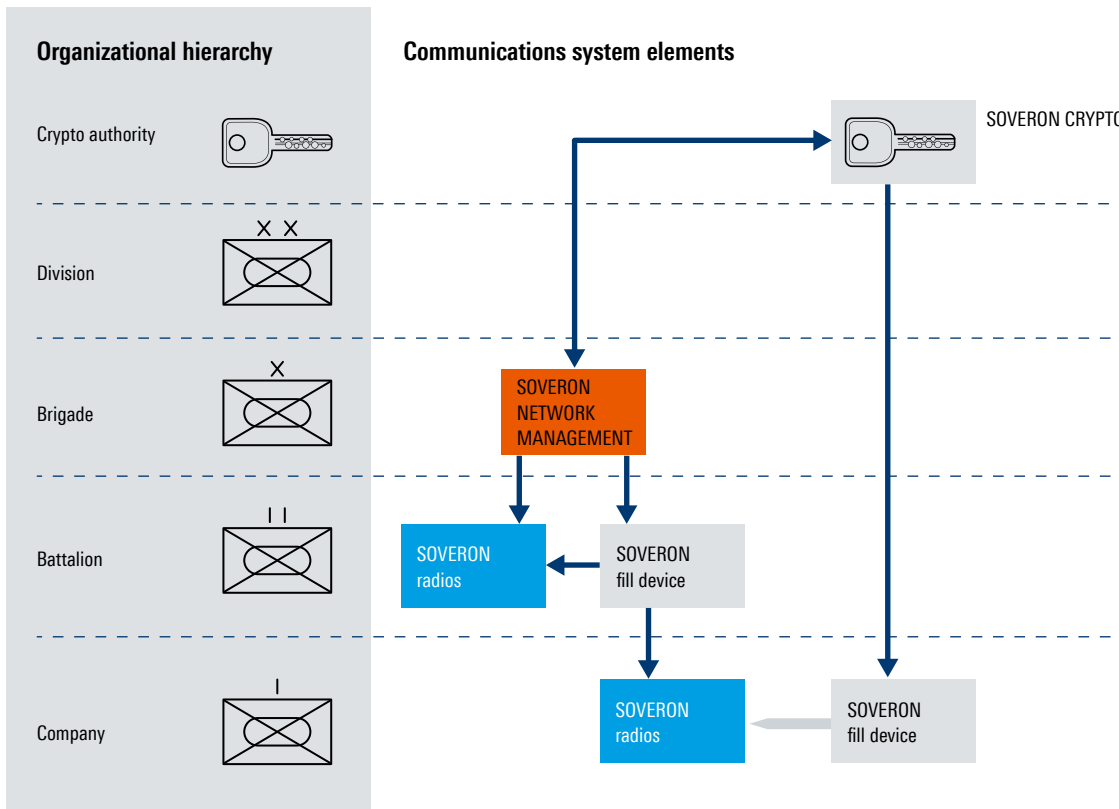
Make ideas real

AT A GLANCE

The key to military mission success is secure radiocommunications – from radio and IP network planning to deployment. SOVERON CRYPTO is a state-of-the-art security management system for the SOVERON radio family and has been developed specifically for managing security-critical elements in tactical radio and IP networks.

The security management system is used at the operational level to provide subordinate tactical units with the required crypto keys.
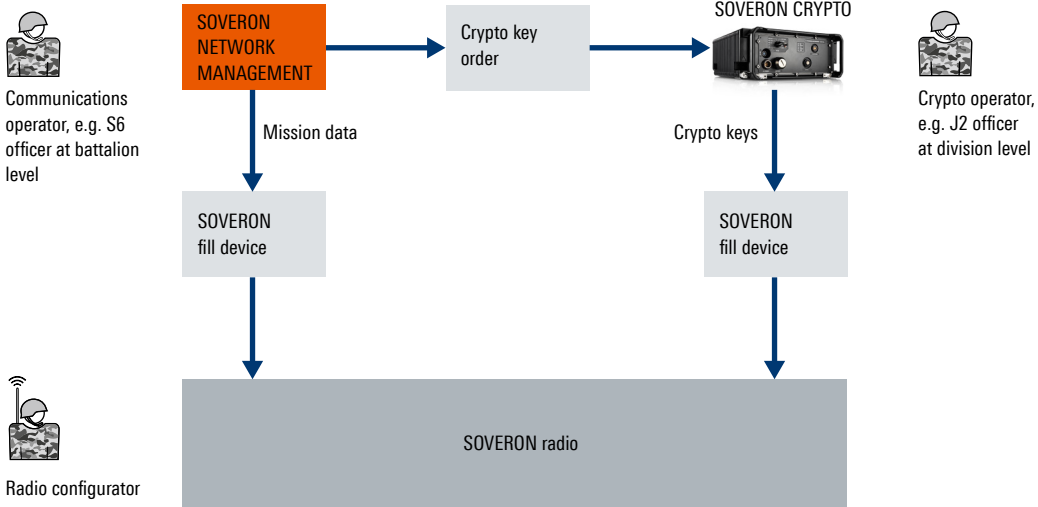
Key facts

► Secure key generation using a high-quality hardware-based random number generator
► Reliable storage of operational and nonoperational crypto keys
► Crypto device with secure tamper protection and zeroize function
► Ruggedized housing for operation under harsh environmental conditions
► Intuitive operation via standard PC or notebook

Organizational position

Organizational hierarchy	Communications system elements
Crypto authority	SOVERON CRYPTO
Division	
Brigade	SOVERON NETWORK MANAGEMENT
Battalion	SOVERON radios — SOVERON fill device
Company	SOVERON radios — SOVERON fill device

Organizational position

BENEFITS AND KEY FEATURES

Secure key generation using a high-quality hardware-based random generator
SOVERON CRYPTO is ideal for generating keys and configuring radio networks to ensure jam-resistant and tap-proof communications. SOVERON CRYPTO uses controlled, uniformly distributed random sequences utilizing the largest possible key space to generate high-quality crypto keys.

Reliable storage of security keys
SOVERON CRYPTO ensures reliable storage and secure management of operational, transport and system keys, and provides comprehensive data backup and data recovery options.

Crypto system with secure tamper protection and zeroize function
SOVERON CRYPTO includes a multilevel security concept and uses mechanical blocks, sensors and logging features to ensure tamper protection. The security management system also provides a zeroize function for deleting all sensitive data in case of emergency.

Convenient operation
SOVERON CRYPTO is easy and convenient to use thanks to its straightforward graphical user interface that can be installed on any standard PC or notebook. It comes with an integrated help function.

PRODUCT OVERVIEW

Designation	Type
SOVERON CRYPTO security management device	R&S®NS5010M
Software for the SOVERON CRYPTO security management device	R&S®GS5010M

Rohde & Schwarz

The Rohde & Schwarz technology group is among the trail-blazers when it comes to paving the way for a safer and connected world with its leading solutions in test & measurement, technology systems and networks & cybersecurity. Founded more than 85 years ago, the group is a reliable partner for industry and government customers around the globe. The independent company is headquartered in Munich, Germany and has an extensive sales and service network with locations in more than 70 countries.

www.rohde-schwarz.com

Sustainable product design

► Environmental compatibility and eco-footprint
► Energy efficiency and low emissions
► Longevity and optimized total cost of ownership

Certified Quality Management	Certified Environmental Management
ISO 9001	ISO 14001

Certified Quality Management
AQAP-2110

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