



(Tactical Communications > Keys Management

EKMS

Electronic Key Management System

Secure generation, transport and distribution of keys – Security in the whole key lifecycle

Main Functional Capabilities

NATO key management system used by Spain

Electronic distribution including automatic reports Management of crypto devices and secure documentation

Sovereign key generation and management capability Different configuration on demand (server, client, standalone)

Provides keys to the end user with secure transport (own key transfer device)

TECNOBIT has developed an EKMS fully compliant to NATO standards. The system provides the capability of managing crypto and electronic keys with the ability to import and export via DTDs or interconnected nodes:

- Management, report and audit of:
 - Electronic keys
 - Crypto devices
 - Users
- Automatic Reports (Transfers, Hand Receipts, inventories, etc.)
- High availability and redundancy (backups)
- Electronic key distribution
- SKL and other key transfer devices compatibility
- Electronic key compliance



EKMS NODE



Key Processor (KPRU): Hardware with crypto generation capabilities. Fully-developed by TECNOBIT, it implements the cryptography to protect the input and output of cypher keys.

- Tempest SDIP-27/1 Level A certified
- Import and export keys via DS101 (EKMS 308 Rev. F)





Multi-domain key transfer device – OTAN,UE or National (two loaded simultaneously) selectable at power up via CIK – crypto ignition key





National key generation and exportation via DS-101 to integrate with other NATO systems





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