

**SSP3110: Data Encryption for Advancing Storage
Technology**



DATA SECURITY INC.

Jeff Hackbart

729 Q Street

Lincoln, Ne 68508

Phone: 1-800-326-1909

Fax: 1-402-434-3291

E-Mail: jhackbart@datasecurityinc.com

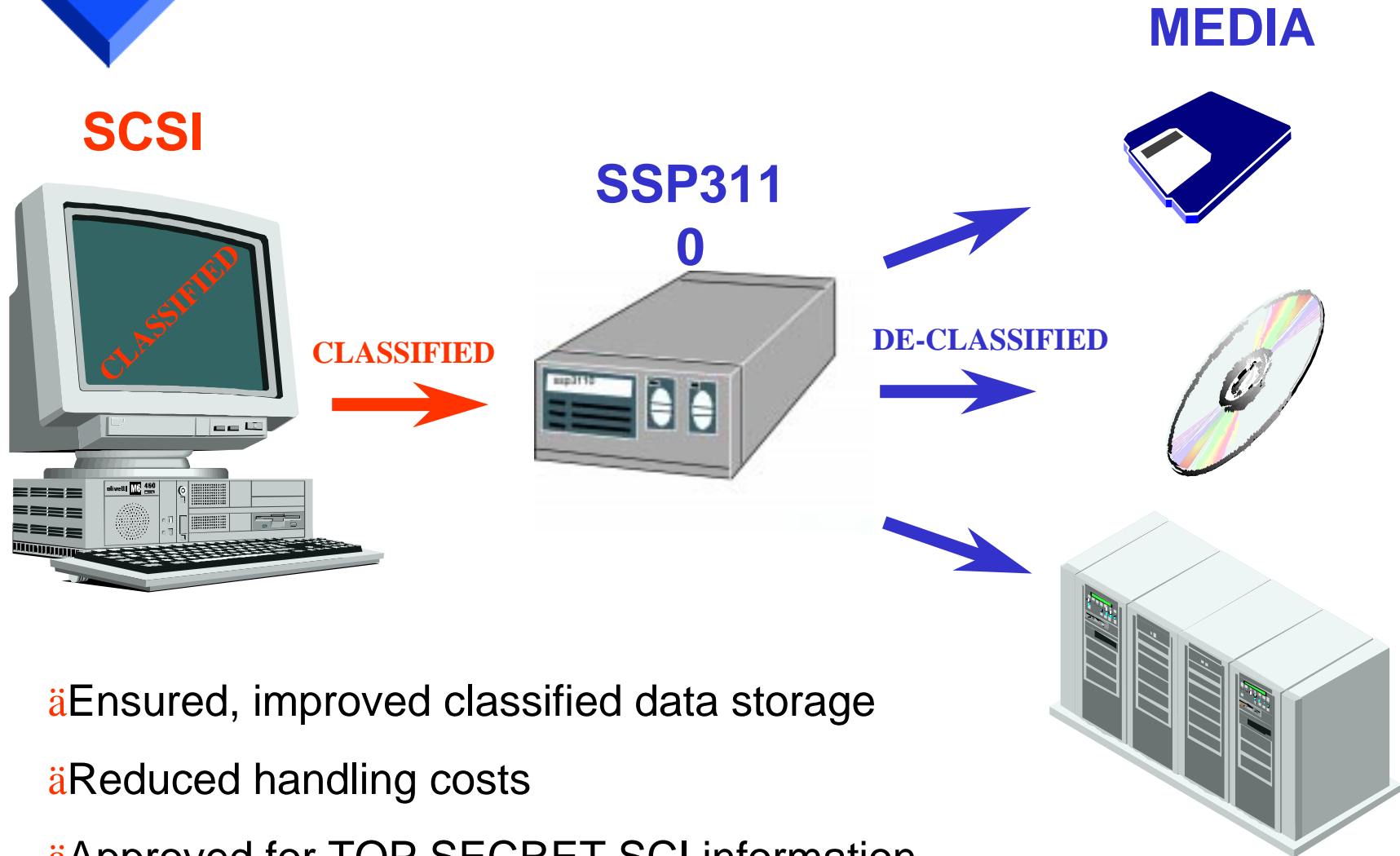


The SSP3110 and SRP-AT

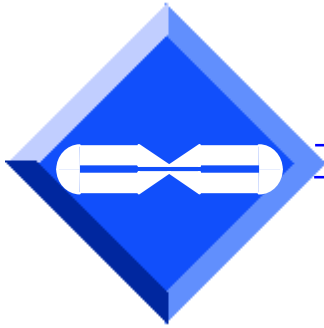
- **The SSP3110 and SRP-AT**
- **Applications for the SSP3110 and SRP-AT**
- **Using the SSP3110**
- **Conclusion**



The SSP3110 and SRP-AT



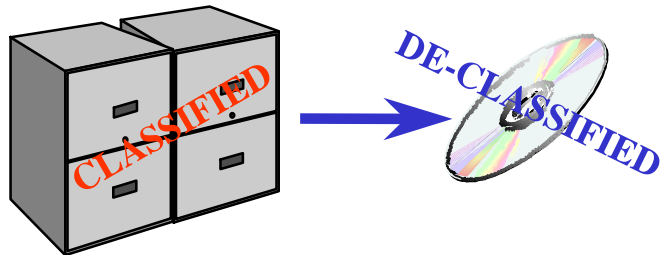
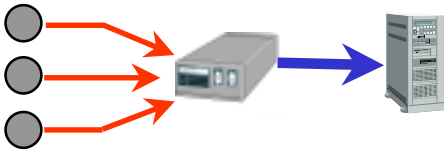
- Ensured, improved classified data storage
- Reduced handling costs
- Approved for TOP SECRET SCI information



Applications for the SSP3110

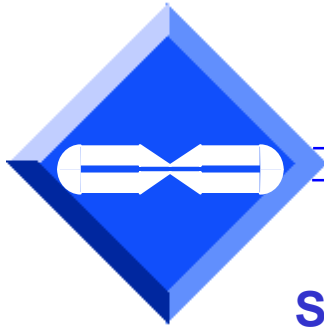


Transportation of classified
information

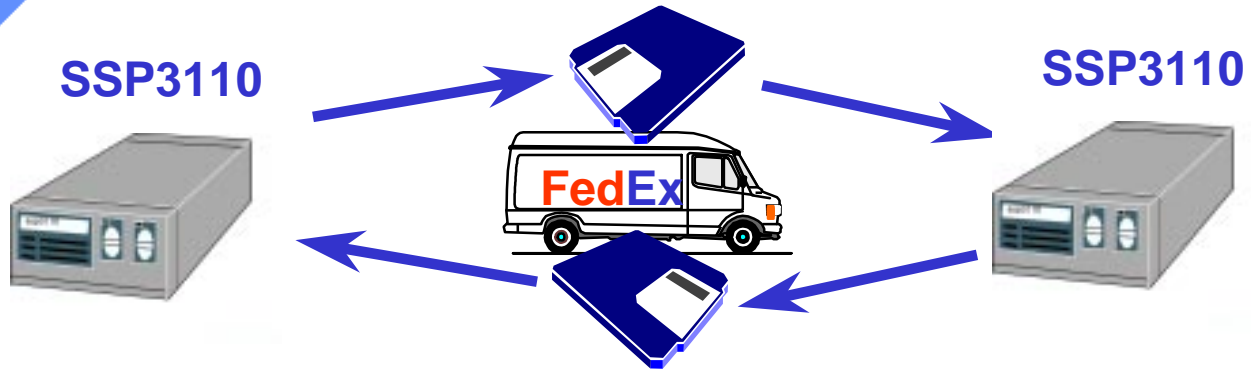


Non-Classified Storage

Paper Documents



Transportation



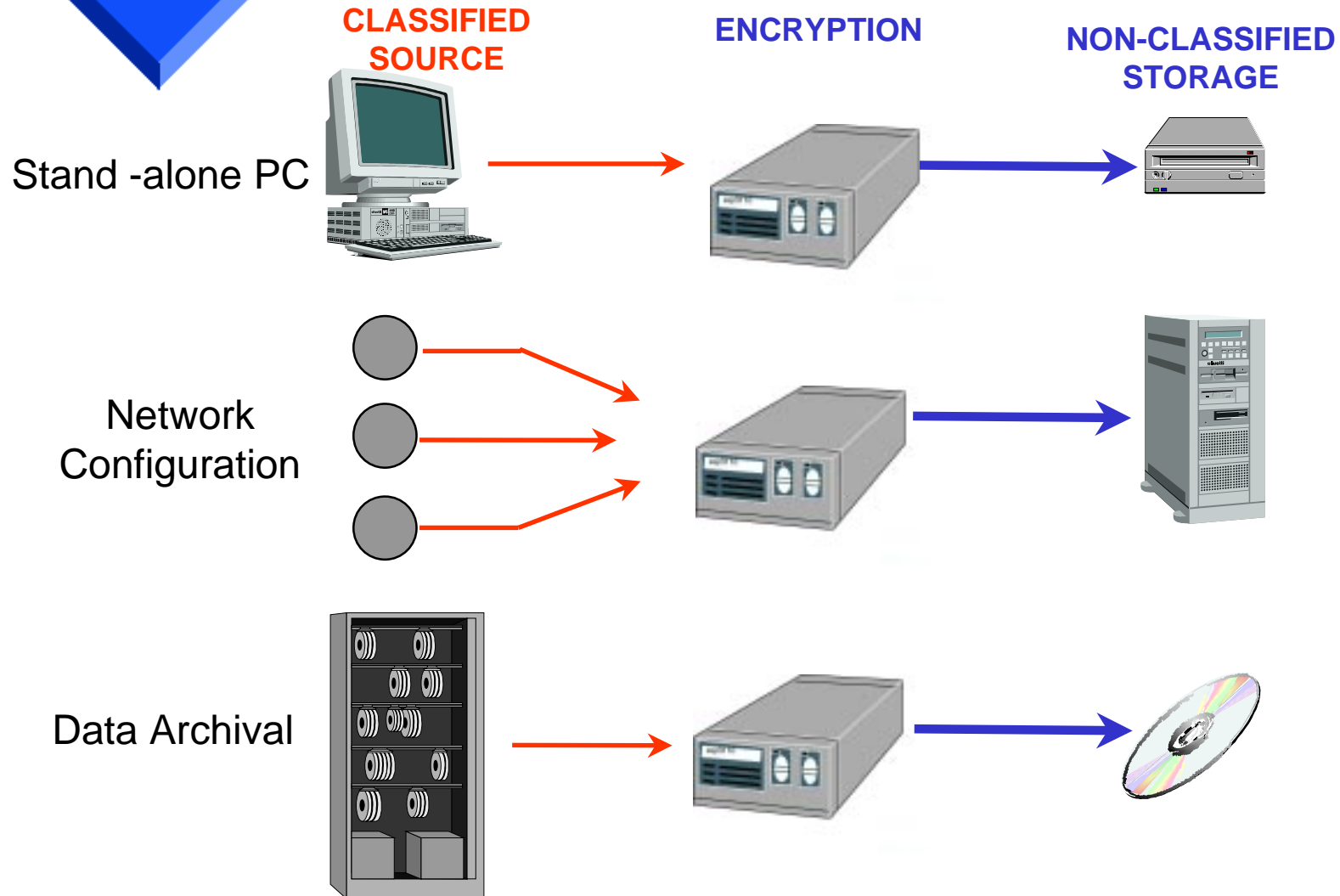


Transportation Benefits

- Regain Staff Availability
- Exchange Data in a timely manner
- Eliminate potential security risks
- Realize significant cost savings



Non-Classified Storage





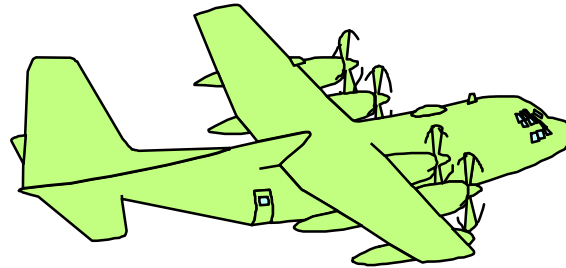
Benefits of Non-Classified Storage

- Simplifies receipt and accountability
- Eliminates the need for constant supervision
- Reduces the need for perimeter controls
- Provides simple emergency procedures
- Reduces need for secure storage



Paper Documents

**COMPROMISED
INEFFICIENCY**



**SECURE
EFFICIENCY**

NON-CLASSIFIED

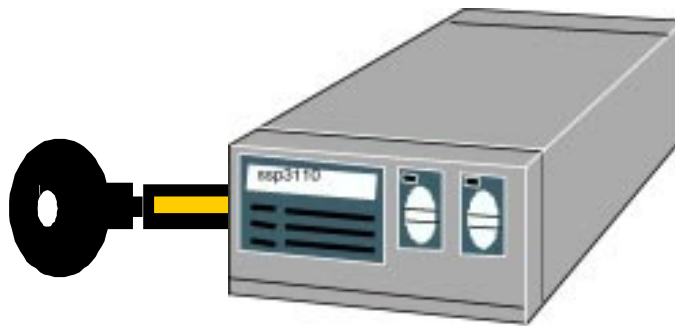




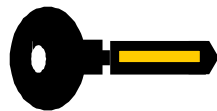
SSP3110 Daily Use

Encryption Mode

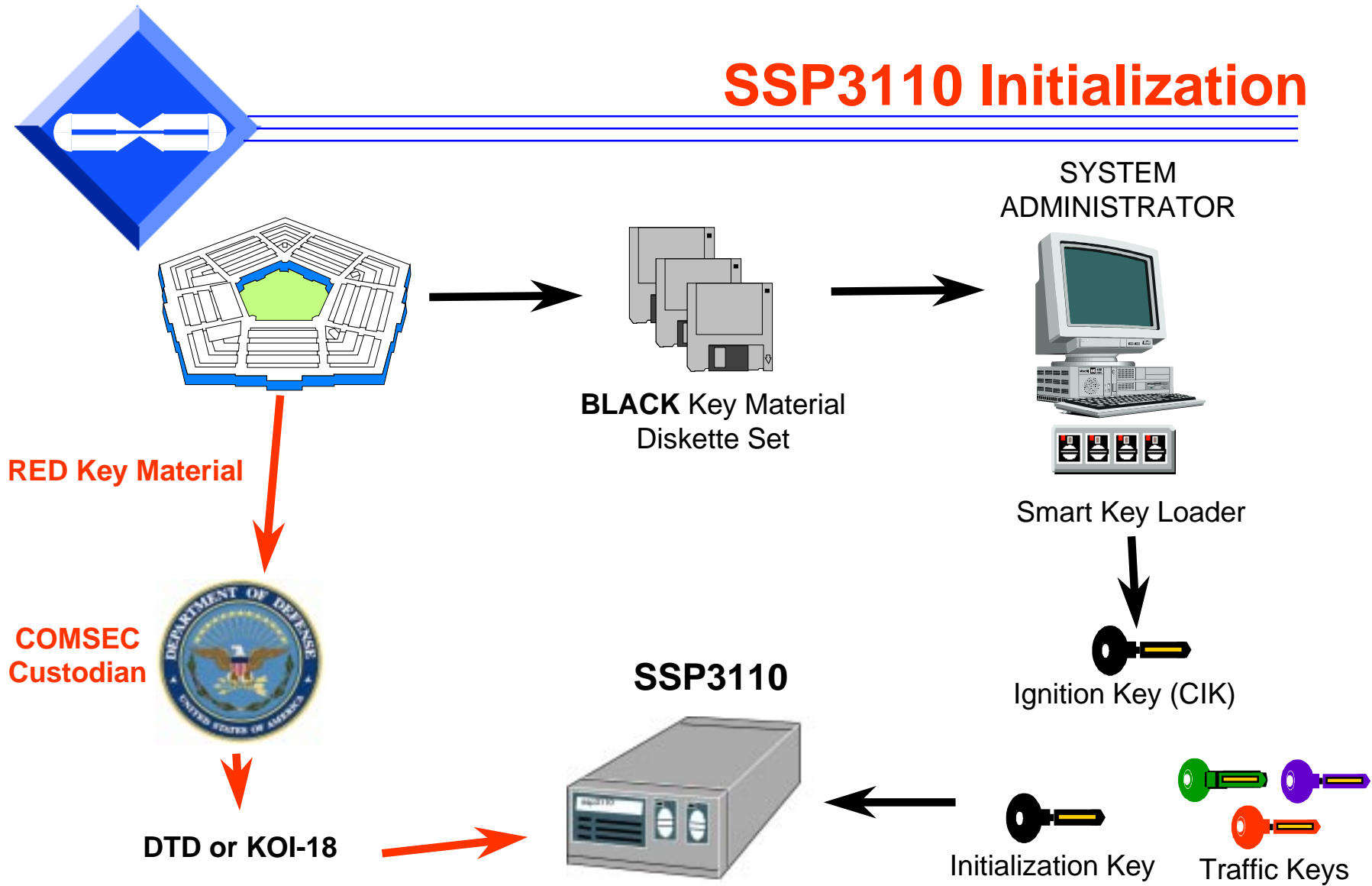
Crypto Ignition Key
(CIK)



Unclassified



SSP3110 Initialization



RED Key Material

COMSEC
Custodian

DTD or KOI-18

BLACK Key Material
Diskette Set

SSP3110

SYSTEM
ADMINISTRATOR

Smart Key Loader

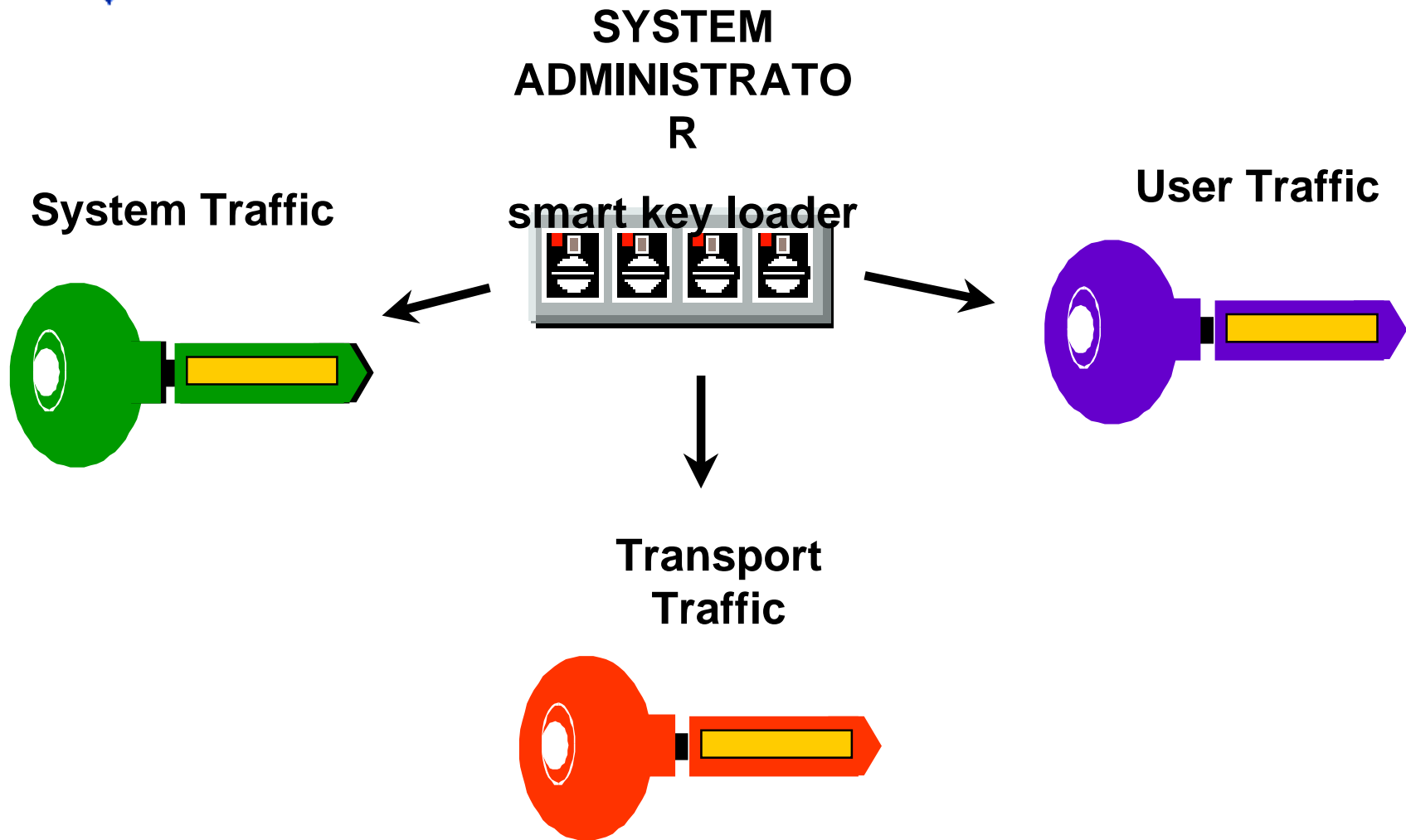
Ignition Key (CIK)

Initialization Key

Traffic Keys



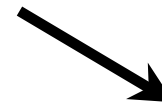
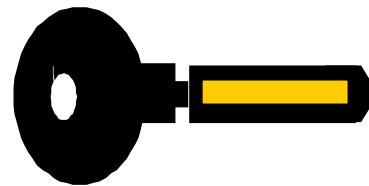
Traffic Smart Keys



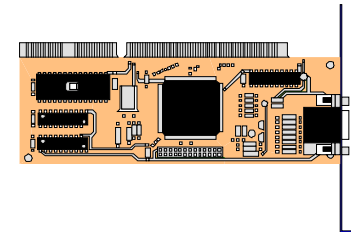
SRP-AT Initialization

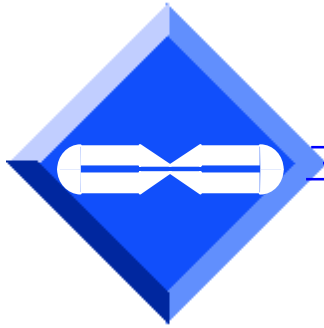


**SYSTEM
ADMINISTRATOR
Key Programmer**



SRP-AT





Applications & Activities Support

1. Classified Data Exchange and Distribution

- Logistics data
 - Tactical field data
 - Maps, charts, and imagery data
 - Diplomatic reports
 - Engineering data
 - Budgetary data
 - Intelligence database distribution
 - Clearance information
- Configuration baselines

2. Protection of Locally Stored Data

- Includes Applications Requiring:
 - Quick destruction in hostile environment
 - Reduction of safes and SCIF space
 - Computer system declassification

3. Data Collection Systems

- SIGINT data
- Intelligence collection materials
- Sensor data
- Field reporting information

4. Archiving, Paper Reduction, and Off-Site Storage

- Training materials
 - Technical data
 - Drawings, schematics, and manuals
 - Personnel records
- Configuration management information