TRANSCOM Fact Sheet

Transportation Tracking and Communications System

Types of Shipments Tracked in TRANSCOM

TRU—Transuranic Waste

SNM—Special Nuclear Material

FNM—Foreign Nuclear Material

Other—General category for radio-active materials and high visibility shipments

TRANSCOM Contacts

TRANSCOM Support Site https://tcc.transcom.energy.gov	
DOE/CBFO Program Manager (575) 234-7627	
TRANSCOM Project Manager (505) 363-3057	
TCC 24/7 Help Desk (575) 234-7105	

What is TRANSCOM?

TRANSCOM is the Department of Energy (DOE) satellite tracking and communications system used to monitor radioactive material shipments from DOE and Nuclear Regulatory Commission (NRC) licensee facilities.

TRANSCOM program components:

Vehicle Communications System:

On-board vehicle equipment with near real-time tracking and two-way communications capability which feeds data and messages to the TRANSCOM web application.

Operations Support Center:

24/7-TRANSCOM Communication Center staff maintain the system and monitor shipments, manage system access, support system users with training and help desk functions, and provide activity reports.

Monitoring Application:

Software which integrates communications and database functions with a web interface

⇒ Unclassified

⇒ Encrypted Web Application

⇒ Mobile Compatible

⇒ Satellite and Cellular data feed

⇒ Rail and Vessel or Barge Transport

⇒ Used by 30 States and Canada

⇒ 99.7% System Uptime

Features:

- Mapping capabilities using a Google interface with mile marker and weather layers
- Status Board with snapshot of shipments
- Messaging two way communication
- Data entry screen for shippers
- Reporting capabilities for users
- Users set personal preferences
- Carrier and vehicle screens
- System alerts
- Geofencing capabilities
- Simulation model for testing and **training**

Enhanced Transportation Security:

- Protect shipment routes, positions, and bill of lading information
- Limit customer access to shipments based on a "need to know"
- Alerts: Route deviations; panic, emergency
- Maps: Identify mile markers and inclement weather near shipments

TRANSCOM System Diagram