TRANSCOM Fact Sheet

Transportation Tracking and Communication System

Types of Shipments Tracked by TRANSCOM

- FRR—foreign research reactor fuel
- SNF—spent nuclear fuel
- TRU—transuranic waste
- Other—general category for radioactive materials and high visibility shipments

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.

Examples of materials tracked include:

- Transuranic Waste
- Spent Nuclear Fuel
- Foreign Research Reactor Fuel

Features:

Position and Messaging: data is updated at 4 to 7-minute intervals and shared with authorized Federal, State and Tribal customers across the United States.

2-Way communications: Communications Center and Shipper have two way communications with Drivers.

Route Deviation: can alert the operator if a route deviation has occurred.

TRANSCOM program components:

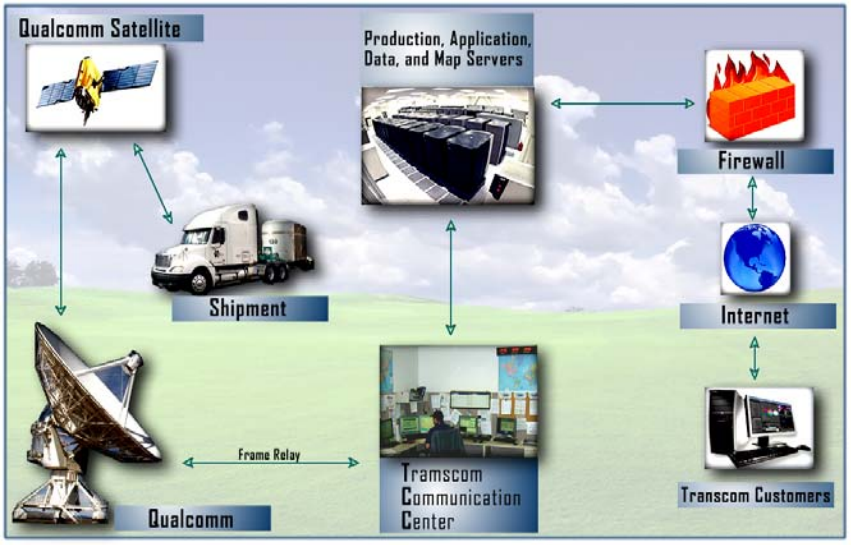
Vehicle Communication System: On-board vehicle equipment with near real-time tracking and two-way communications capability which feeds data and messages to the control center.

Monitoring Operations Support Center: 24/7 PC-Equipped operations center to administer the system and shipment tracking transaction records, monitor shipments, manage system access, support system users with training and help desk functions, and provide activity reports.

Monitoring Application: monitoring applications software which integrates communications and database functions with web interfaces for operations center and user shipment monitoring.

System Hardware, Network Security, and Backup: host servers for running the monitoring application with systems, secure networking, and backup support, as well as internet service provider access.

Transcom System Diagram



Contact Information

TRANSCOM Program Manager:
(575) 234-7643

TRANSCOM Contract Manager:
(505) 842-5608

U.S. Department of Energy
Office of Environmental Management