



**Pre-Coordination Weeks Prior to Shipment**

Tasks to Complete

- ✓ Confidentiality
- ✓ Material Characterization
- ✓ State Coordination
- ✓ Route Approvals
- ✓ Notifications

**Pre-Coordination Week of Shipment**

Tasks to Complete

- ✓ Risk Assessment
- ✓ Training
- ✓ Security Planning
- ✓ Schedule
- ✓ Notifications
- ✓ Escorts
- ✓ Shipment Tracking
- ✓ Weather 3-day Check
- ✓ Authorization to Ship



**Post Delivery**

Date of Shipment:

Location:  
 from

to

Shipper:

Receiver:

Material Being Shipped:

Quantity:

Transportation Company:

Phone Number for Transportation Company:

Escort Driver Company:

Escort Company Phone Number:

**Pre-Coordination  
Weeks Prior to  
Shipment**

## Pre-Coordination Weeks Prior to Shipment

### Confidentiality

All individuals have authorized photo identification badges

### Material Characterization

Material categorization has been determined in accordance with IAEA Nuclear Security Series No. 26-G, Security of Nuclear Material in Transport, Table 1  
3000 A<sub>2</sub> determinations have been made

### State Coordination

Safe havens have been coordinated with the appropriate authority

### Route Approvals

Route approved by Competent Authority

**Pre-Coordination  
Weeks Prior to  
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## **Pre-Coordination Weeks Prior to Shipment**

### **Notifications**

The shipper has given the receiver advance notification of the shipment details and the expected time of arrival

States and local authorities have been notified of shipment details as required by national regulations

**Note: Inform the receiver, State, and local authorities of any changes to shipment details.**

**Pre-Coordination  
Week of Shipment**

## Pre-Coordination Week of Shipment

### **Risk Assessment**

Confirm threat level has not changed since writing Transportation and Security Plan (TSP)

### **Training**

All hazardous materials (HAZMAT) employees have the appropriate training card/credentials for safety and security

### **Security Planning**

Transport Security Plan (TSP) approved by Competent Authority as required  
Testing and exercising of TSP has been completed as required

### **Schedule**

Shipment schedule has been authorized by Competent Authority

### **Notifications**

Response coordination has been conducted with appropriate law enforcement agencies

**Pre-Coordination  
Week of Shipment**

## Pre-Coordination Week of Shipment

### Escorts

Escorts have been arranged

Escorts have provided mobile phone number(s) and point of contacts (POC)

### Shipment Tracking

Shipment scheduled with transport control center

Shipment has ability for continuous monitoring by a central control point

Transport control center has redundant communications

### Weather 3-day Check

Weather conditions are safe to conduct shipment

### Authorization to Ship

Competent authority has authorized shipment with the appropriate license

Shipper has received formal written authorization to ship from receiver

Carrier has been authorized to transport nuclear material

**Pre-Coordination  
Week of Shipment**

## **Pre-Coordination Week of Shipment**

### **Document Distribution**

#### **Transport Security Plan (TSP)**

- TSP provided to the shipper/carrier
- TSP provided to local law enforcement agency and has been approved
- TSP provided to transport control center
- TSP provided to truck drivers

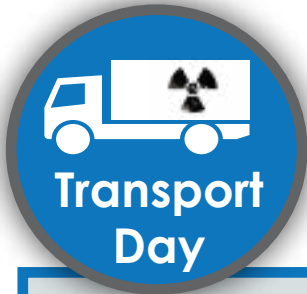
#### **Shipping Manifest**

- Draft shipping manifest distributed to shipper, receiver, and trucking company for review

### **Regulatory Compliance**

#### **Driver Documentation**

- Drivers' Hazardous Material (HAZMAT) training (or the State equivalent, if required) is current
- Drivers' Commercial Driver License (CDL) or equivalent with HAZMAT endorsement is current
- Drivers have had background checks appropriate to the material categorization they are transporting or maintain security clearances



## Day 0 - Transport

### **Transport Security Plan (TSP)**

TSP provided to truck drivers

### **Confidentiality**

Verify all individuals have authorized photo ID badges

### **Trucking**

Truck has arrived at the appropriate time and place

Truck has been loaded

### **Driver's Briefing**

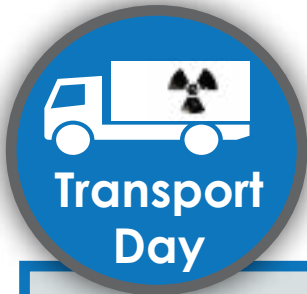
Drivers briefed of their responsibilities in the Transport Security Plan (TSP)

Drivers provided emergency contact information

Drivers have documentation on how to summon local response forces

Drivers assigned a duress code in the TSP

Drivers instructed on sensitive information transmission procedures



## Day 0 - Transport

### Communications Test

Transport control center messaging is functional  
Driver's cell number is valid and has been tested  
Communications with escorts, secondary response, shipper, and receiver have been verified

### Packaging

All packages are in closed, locked conveyances, compartments, or freights  
Packages tied down or attached to the vehicle or freight  
If open load, cover or hide from view unless a safety concern  
**Note: Freights 2000kg or more may be transported in open vehicles using locks and seals**

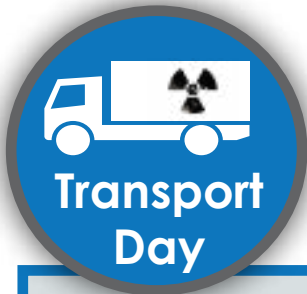
### Locks and Seals

Security locks and seals have been installed and checked  
Keys to locks are in possession of the driver

### Alarms

Intrusion detection system is functional  
Drivers have been provided with duress alarms  
Transportation Control Center (TCC) received a test signal from the intrusion system  
TCC received a test signal from driver's duress alarm





## Day 0 - Transport

### Physical Security

Trucks equipped with immobilization equipment described in the Transport Security Plan (TSP)

### Radiation Survey

Shipper's Hazardous Material personnel (HP) conduct official radiation survey

Shipper's HP identify tamper indicating devices (TID), placards, and labels

### Marking Labelling and Placards

Appropriate radioactive labels have been applied on 2 opposing sides

Fissile material labels have been applied on 2 opposite sides (if required) with the Criticality Safety Index (CSI) specified in the package Certificate of Conformity (CoC) for the contents

Labels show UN number preceded by the letters "UN" in 2 opposing locations

Consignor/consignee label applied

Placards displayed if necessary

Driver has spare placards

Maximum gross weight of containers is displayed

Package certification number is displayed

Redundant marking and labelling has been applied to the personnel barrier (if package is obscured)



## Day 0 - Transport

### **Tamper Indicating Device (TID)**

TID(s) have been applied to the personnel barrier. Record number(s) if available  
Photos of all available TID(s) have been sent to destination

### **Bill of Lading**

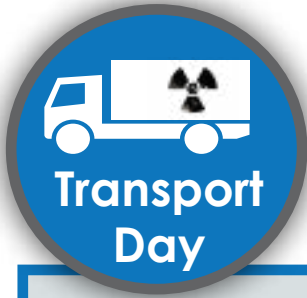
Radioactive survey data has been added to Shipping Manifest  
Tamper Indicating Devices (TID) numbers have been recorded on the Shipping Manifest  
Final Shipping Manifest has been signed by shipper and drivers  
Two (2) copies of the Shipping Manifest have been provided to shipper, vehicle safety inspector, drivers

### **Exclusive Use**

Drivers have been provided with exclusive use instructions (if required)

### **Inspections**

Packaging is in good physical condition with no visible structural issues  
Ensure any findings by the inspection have had corrective action completed and a follow-up by an inspector to verify  
Regulatory vehicle safety inspection has been successfully completed (if required)



## Day 0 - Transport

### Departure

- Transport Control Center notified of departure
- Transport Control Center notified and advised of duress code word (if required)
- Competent Authority advised of departure time
- Other shipment stakeholders notified

### In Transit

- Status updates transmitted to stakeholders (stops, escort changes, incidents, schedule or route deviations)

**Post Delivery**

**Post Delivery**

**Tasks to Complete**

Transport Security Plan (TSP) and shipping documents filed and maintained in accordance with State regulations

Drivers debriefed (if required)

Debrief escorts, shipper, receiver, and Transportation Control Center (TCC) on lessons learned and improvements to the TSP and conduct of operations