

# The Role of Border Security

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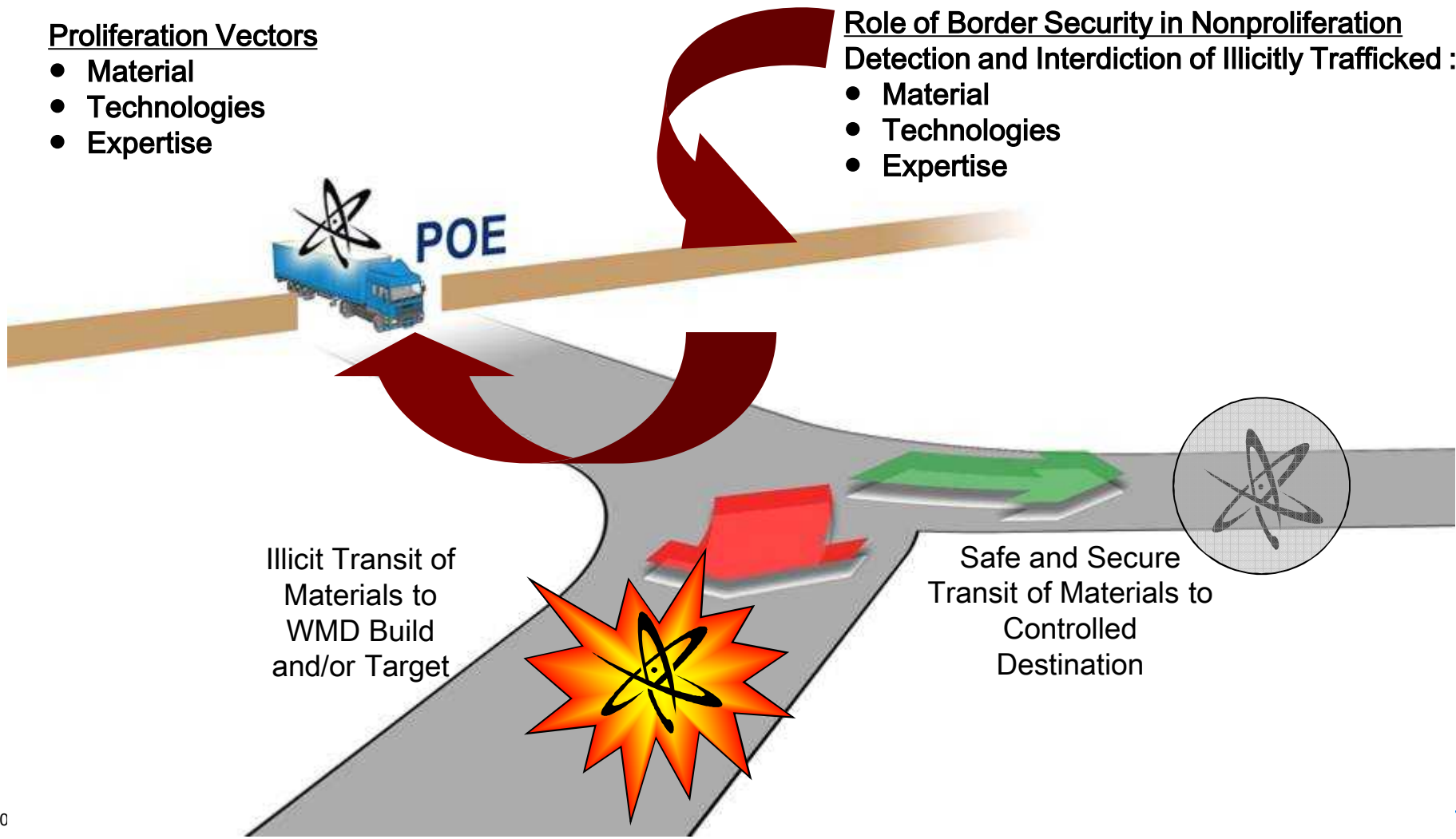
# Role of Border Security in Nonproliferation

## Proliferation Vectors

- Material
- Technologies
- Expertise

## Role of Border Security in Nonproliferation Detection and Interdiction of Illicitly Trafficked :

- Material
- Technologies
- Expertise



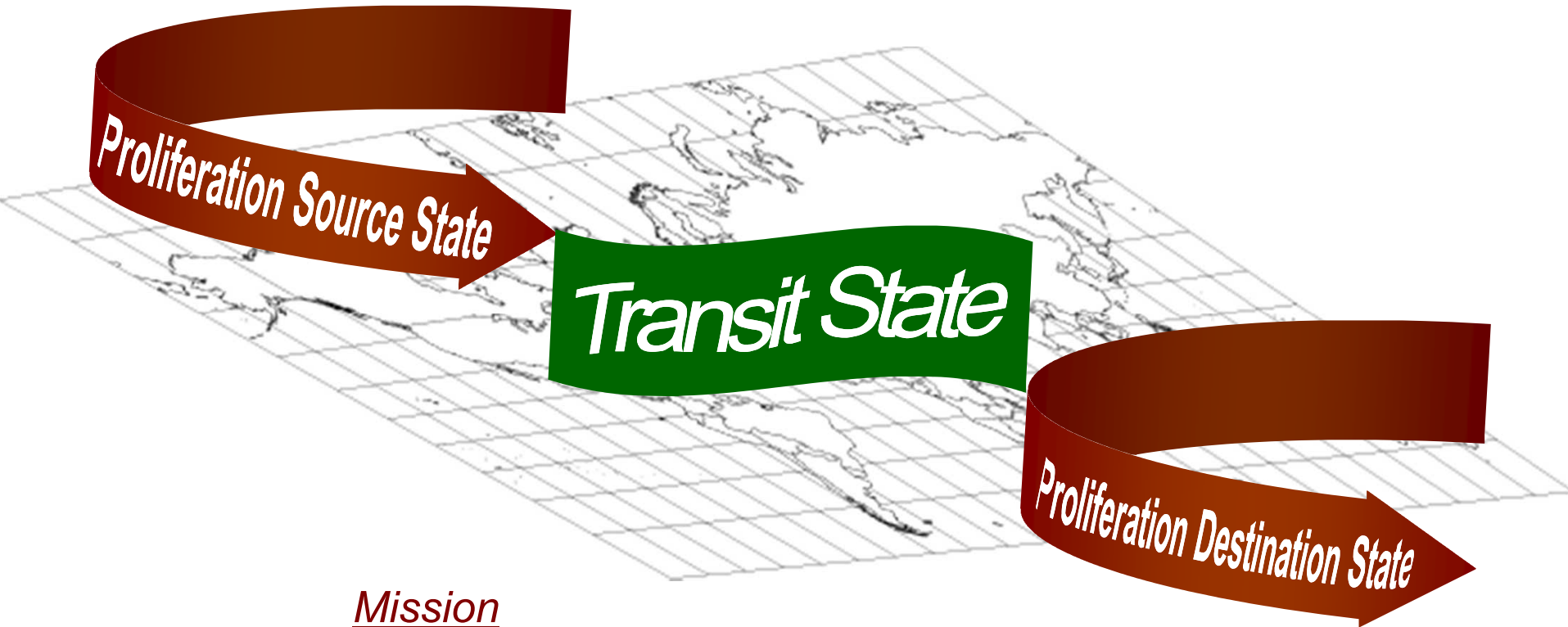
POE

Illicit Transit of  
Materials to  
WMD Build  
and/or Target

Safe and Secure  
Transit of Materials to  
Controlled  
Destination



# Nonproliferation Context



## Mission

*Strengthen border security controls to  
support global nonproliferation and  
counterterrorism efforts*



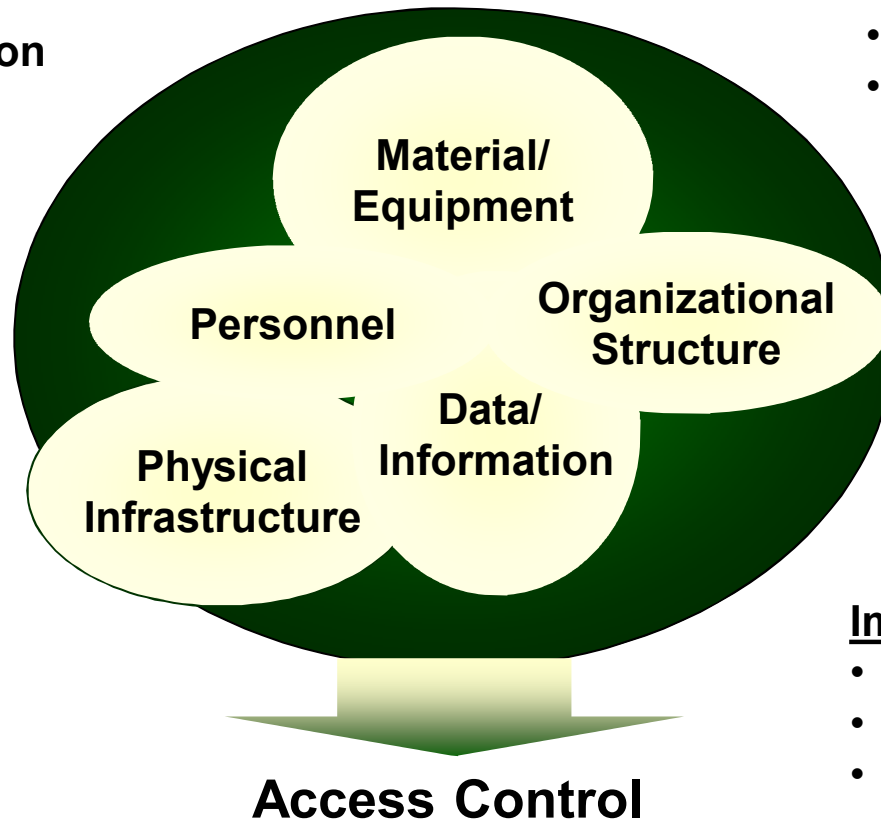
# Border Security Systems Model

## Capabilities

- Surveillance
- Detection/Inspection
- Interdiction
- Disposition

## Commodity/ Detection Targets

- People
- **Radiation**
- Fraudulent Docs
- Chemicals
- Bioagents
- Etc.



## System Drivers

- Geopolitical
- Socio-cultural
- Normal Traffic

## Environmental Drivers

- Terrain
- Altitude
- Climate/Weather
- Vegetation/Wildlife

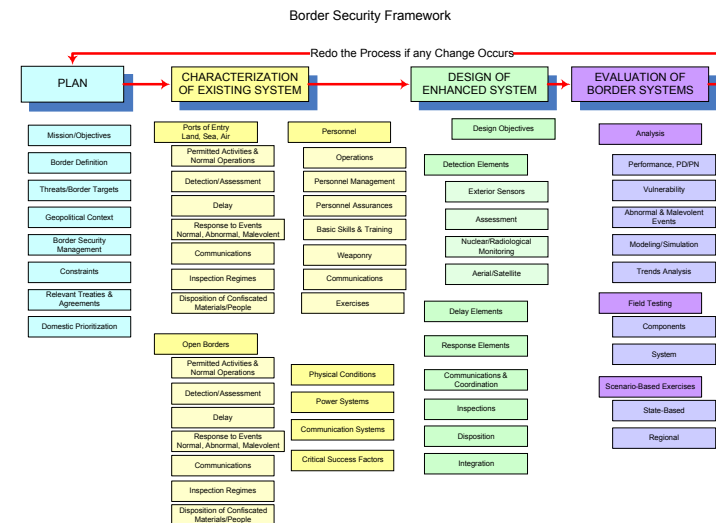
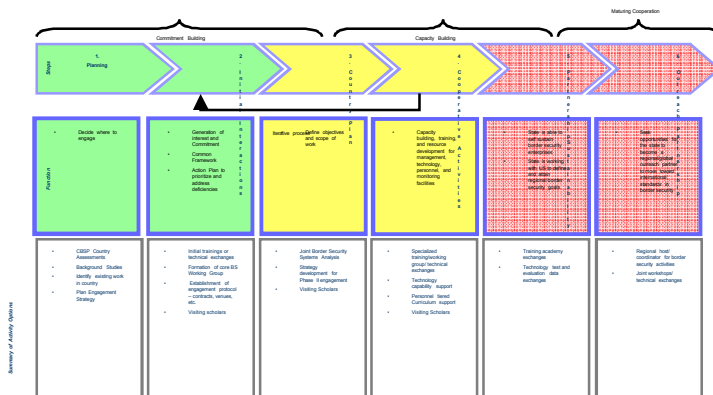
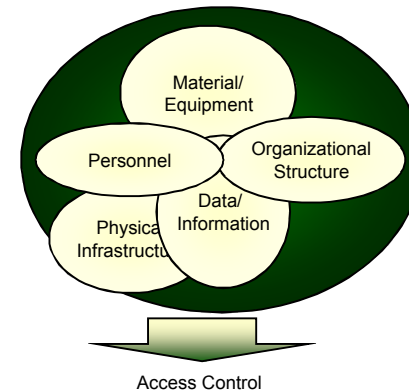
## Implementation Drivers

- Power
- Communications
- Reliability
- Sustainability



# International Border Security Program

- Systems Model
- Country Engagement Model – Capacity Building Through Regional Cooperative Engagement
- Border Security Systems Analysis
- Training
- Technical Assistance





# Sandia National Laboratories

- Nuclear Materials Secure Transportation
- Nuclear Facility Physical Protection
- Nuclear Materials Interim Storage and Waste Management Systems
- International Safeguards
- Critical Infrastructure Security

