

Experience with Electronic Cargo Tracking System in Pakistan

Pakistan Customs 2019



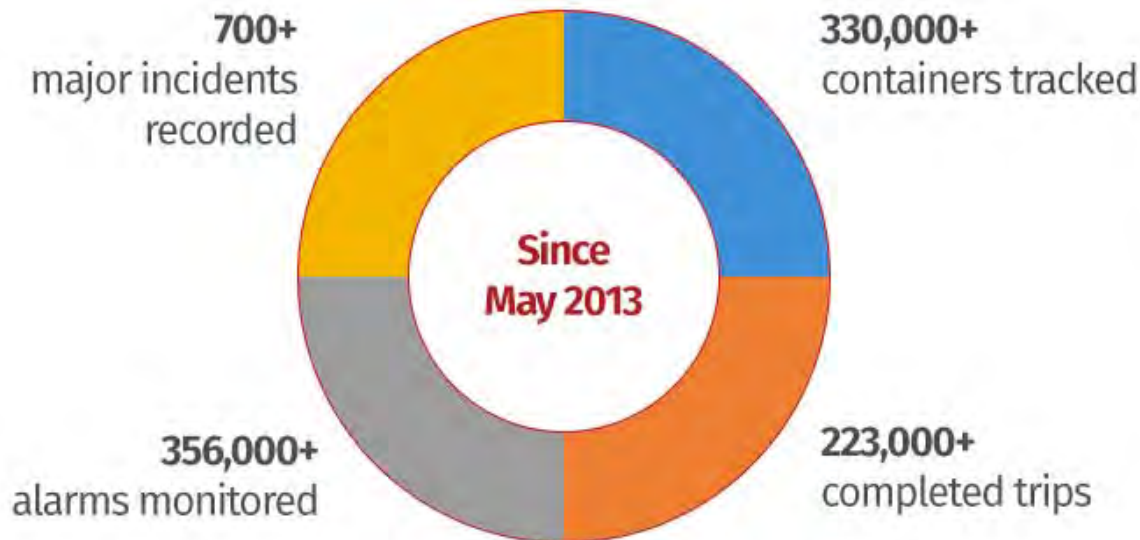
Safe Transport Environment Project – Performance Overview

Project Overview

Project initiated to manage risk of cargo pilferage in Customs transit and transshipment movements

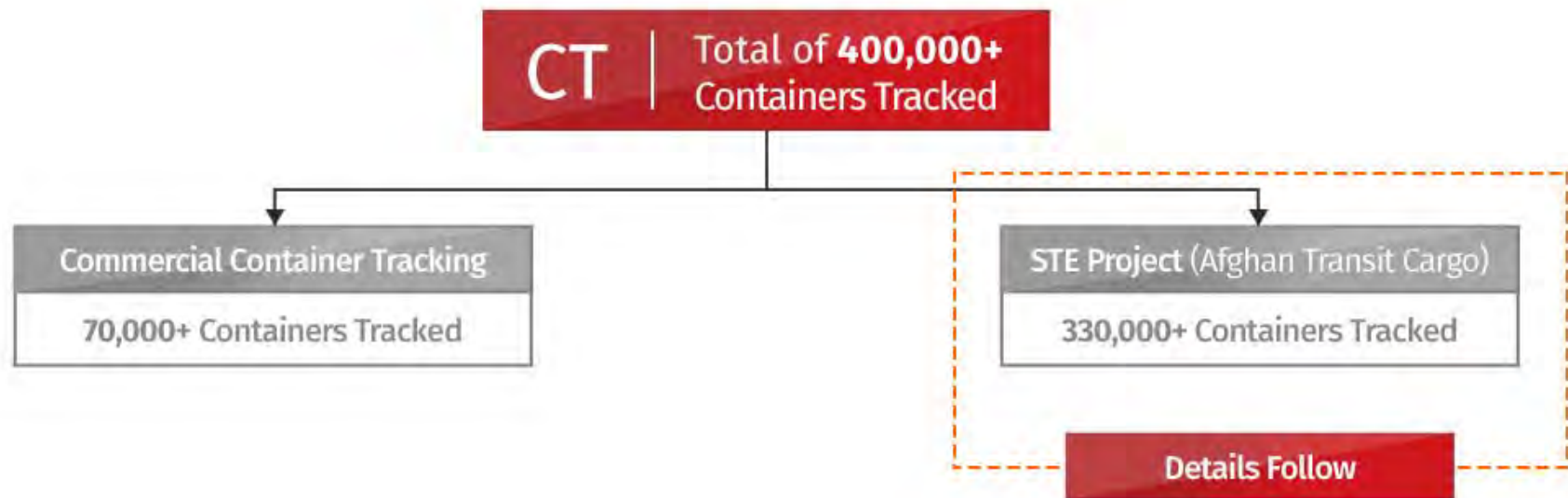
Project was initiated on 7th May, 2013 after award of license to TPL Trakker Ltd following due process

Successful implementation of tracking technology has resulted in disappearance of smuggling in Afghan Transit



- TPL Trakker has successfully renewed its license with the FBR for a further two years effective January 2019
- The license renewal is valid for all cargo types including transshipments and the upcoming CPEC business

Container Tracking Business Overview



Services Offered	
• Route Deviation	• Out of Sync
• Unusual Stoppage	• Speed Alert
• Door Intrusion Alert	• Onsite Installation & Removal

Operational Infrastructure

Central Control Room at Karachi



Over 125 personnel deployed across Pakistan

75 technicians

40+ control room agents

Central Control Room at Custom House Karachi

Regional Control Rooms at all Dry Ports

Quetta, Hyderabad, Multan, Faisalabad,
Sialkot, Peshawar, Lahore, Islamabad,
Torkham, Chaman

Nationwide Recovery Teams for liaison with
Customs MEUs

Actual Installed Container Security Device



Tracking Device - GT Hybrid

- Thin, Low-Profile Enclosure
- Security Cable Option for container locking bars or latch
- Flexible Dual Mode Cellular and Globalstar Satellite Communications
- Quick & Simple Installation
- Interfaces to other ERP, TMS, WMS, and MIS systems
- Rechargeable through same connectors.
- Battery life: 30 days at 30-minutes report interval
- Internal Motion Sensor.
- Route deviation.
- 24/7 active monitoring.
- Daily MIS reports/Trip Summaries.
- Unusual Stoppages.
- Environmentally Hardened
- Quick & Simple Installation.
- Flexible Mounting System.
- Software: Locally hosted web based software available on intranet OR internet



Trip Start Activities (Installations and Integration)

INSTALLATION

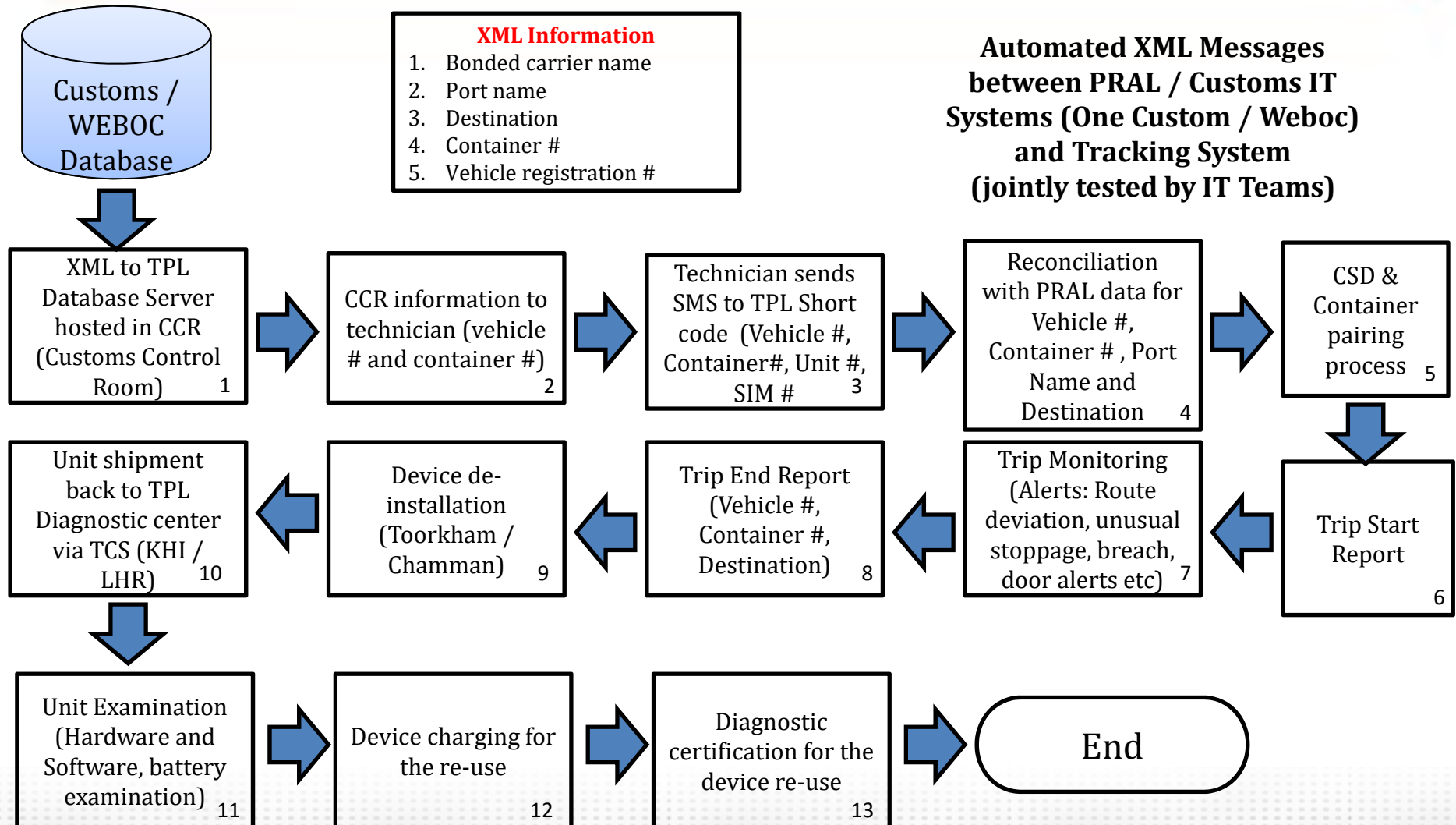


SMS INFO





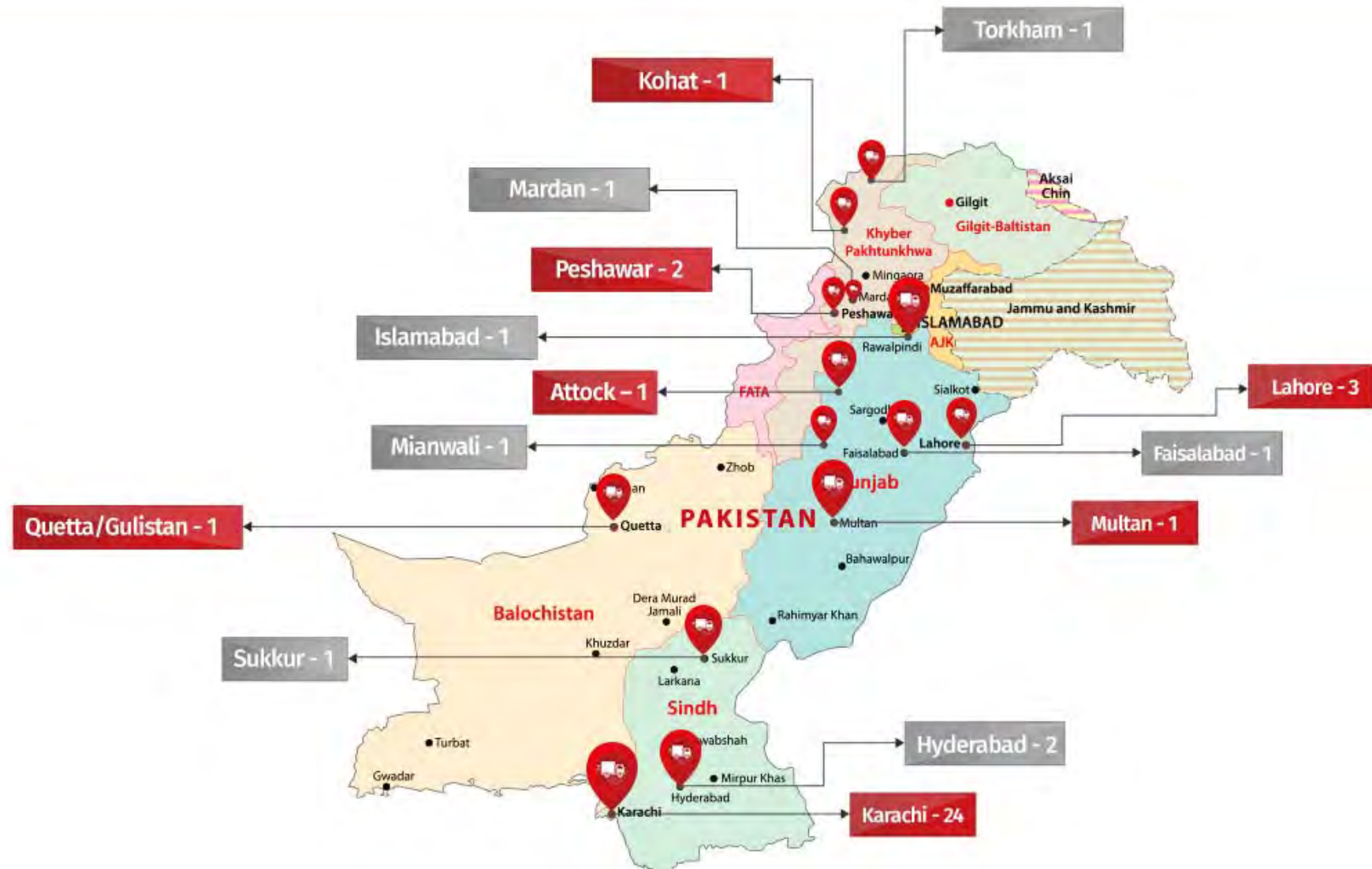
End to End Process



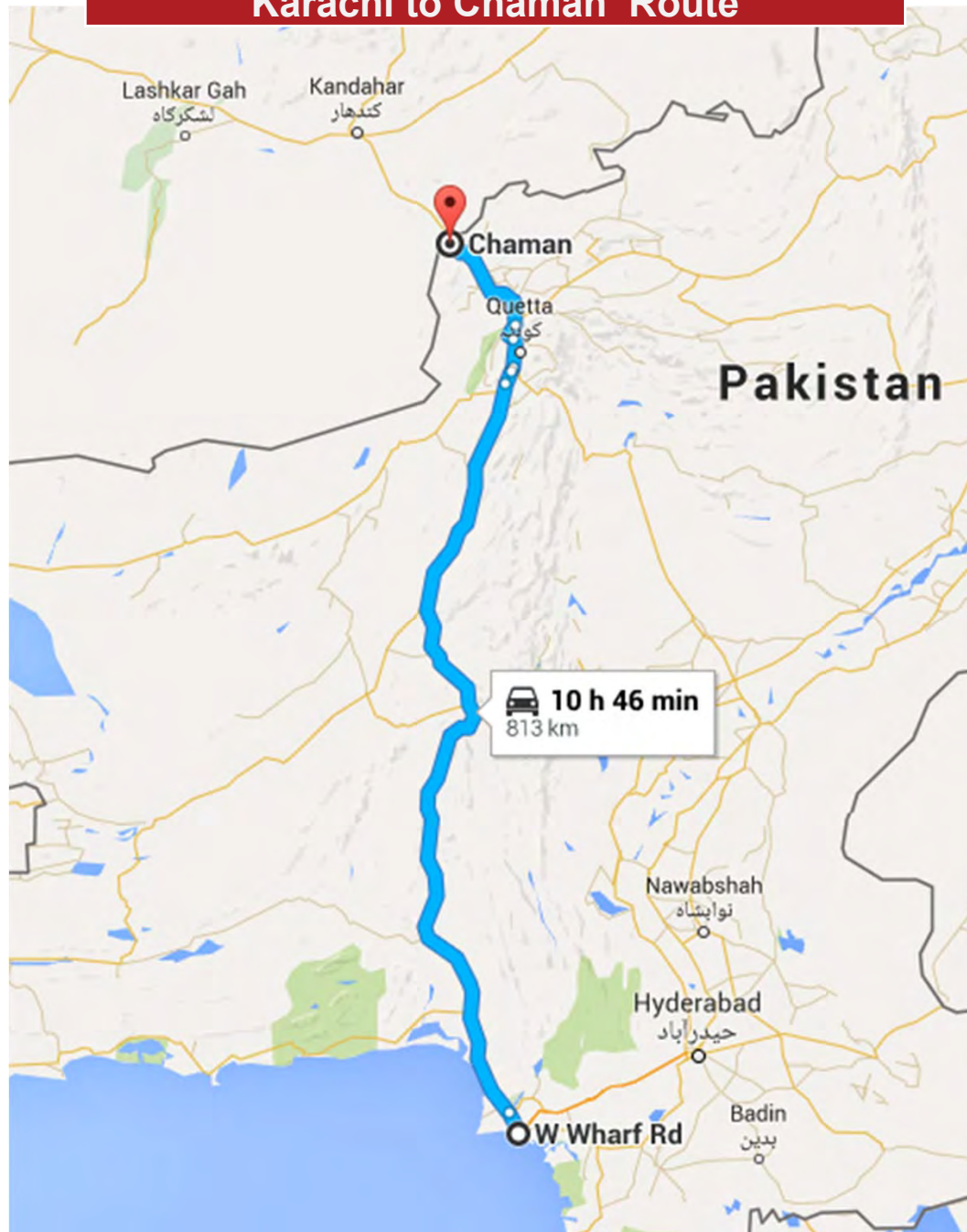
Types of Alerts from Tracking Company

S #	TYPE OF ALERTS	ACTION THEREON
1	Door Alert	100 % examination of consignment
2	Route Deviation	Physical verification of seals and examination of cargo, if required Notice to Bonded Carrier for persistent route deviations
3	Unusual Stoppage	Physical verification of seals and examination of cargo, if required Notice to Bonded Carrier for persistent route deviations
4	Out Of Sync	100 % examination of consignment
5	Accident / Toppling of Container	100 % examination of consignment

Nationwide deployment of Mobile Enforcement Units



Karachi to Chaman Route



TPL Trakker has saved more than Rs. 37 billion in tax revenue loss for FBR due to implementation of real-time tracking technology

Afghan Transit Trade Cargo Only

Prior to Initiation of Tracking

- 15,314 pilfered containers on the basis on 10-day trip time
- Loss in tax revenue estimated at **Rs. 37 billion** in 2011
- Numerous mega scams occurred due to lack of real-time tracking
 - The Louis Berger Scam
 - Manifest Container Scam
 - ISAF Container Scam (Lunar Container Scam)

Post Initiation of Tracking

- Smuggling on Afghan Transit Trade has all but disappeared
- Cargo is being tracked in real-time with respect to:
 - Route being taken
 - Door/intrusion monitoring to avoid stuffing/de-stuffing of cargo
 - Unusual Stoppage of container en-route to avoid pilferage
 - Out of Sync

Source: FTO Report; Interim Report on Afghan Transit Trade in Suo Moto Case No.16 of 2010 of Honorable Supreme Court of Pakistan Regarding 'ISAF Container Scam'



Thank You
Q & A