Enhancing cooperation in the monitoring process through e-customs system and operations in TDG transport .

In the context of developing and enhancing security in all dimensions, increasing efficiency and forms of cooperation for monitoring the transportation of goods, especially dangerous goods (TDG), have been considered strategic priorities to ensure safety in national and regional economic activities. This aims to accelerate customs procedures, demonstrate processing efficiency, and foster a climate of trust.

From our experience, we have observed the objectivity in using information systems to synchronize joint control procedures, enhance interaction in monitoring, and standardize safety at higher levels.

By increasing the integration of technology into our daily operations, we have aligned our requirements with contemporary standards, establishing new practices for reporting and interaction, and ensuring compliance with legal security procedures. Traditional paper-based reporting systems have been replaced by advanced IT solutions, offering real-time data, risk analysis modules, selective criteria for decision-making, process automation, and enhanced security measures.

In customs, border, and port activities, priority is placed on controlling goods transported into Albanian territory, particularly dangerous goods (TDG). With the aim of harmonizing actions in monitoring procedures, significant steps have been taken to enhance our reporting requirements through the integrity of IT systems.

Utilizing the power of digital platforms, we have improved processes, reduced manual errors, and increased overall efficiency in the processing of goods.

For the normal development of economic, commercial, customs, and security activities, aiming primarily to fulfill the mission of protecting Albanian Customs, IT systems have been installed at all border and customs crossing points. These systems serve the procedures for goods clearance, ensuring technical standards for control, system integration, speed in information reporting, increased productivity in selection processes, and secure monitoring of dangerous goods (TDG) during transportation.

For the purposes of security and monitoring in the movement of goods and transport vehicles, a lighting and video surveillance system has been installed as an integral part of the IT infrastructure across all port space and infrastructure. This ensures comprehensive customs oversight and real-time monitoring of all customs, border, and port activities.

The monitoring system provides online transmission with technical accessibility for all law enforcement authorities, ensuring that the recorded images are securely stored in the system.

Functional productivity assessment in goods processing operations, particularly in transport operations, highlights objectivity in standardizing and unifying applicable procedures. This increases flexibility in report usage, enhances interaction among law enforcement structures, and strengthens monitoring procedures.

To achieve this goal, integral IT systems have been implemented for control and monitoring development, including:

- **ASYCUDA World**: Customs Computer System for automated customs data processing.
- **State Control and Inspection System for Maritime Traffic**: Ensures oversight and inspection of maritime activities.
- **TIMS (Border Registration and Control System)**: Manages border registration and control operations.
- **X-ray Cargo Scanning System**: Analyzes images and determines risk levels of goods.
- **Automatic Detection System for Radioactive Contamination Levels**: Monitors radioactive levels in goods and transport vehicles.
- **CCTV Monitoring System**: Provides surveillance and real-time monitoring capabilities.
- **Access Control System**: Manages access permissions and identifies vehicles via license plate reading.

The beneficial advantages of IT Systems

➢ **Accuracy Improvement:**

➢ **IT-based reporting systems reduce the possibility of error, ensuring that data is recorded and processed accurately.**

➢ **Real-Time Monitoring:**

➢ **With IT solutions, authorities efficiently monitor the entire supply chain of goods in real-time, enabling proactive interventions and high-probability risk management through selective probability modules.**

➢ **Cost Efficiency:**

➢ **Process automation in reporting reflects cost reduction for businesses, streamlining procedures and speeding up goods processing times.**

➢ **Compliance Enhancement:**

➢ **Focusing on reporting mechanisms through IT makes compliance with regulatory requirements more transparent and enforceable.**

Challenges and Solutions

Assessing the advantages of implementing IT-based reporting systems, we have also encountered several challenges in this process. Some of these challenges primarily include:

- infrastructure limitations and the need for its development,

- addressing cybersecurity concerns, and

- achieving sustainability amid changes.

Strategic investment in infrastructure development, strengthening security protocols, and involving stakeholders have proven in our experience that these challenges can be successfully resolved.

In conclusion, the use of IT in reporting procedures within customs, border, and port zones is not just a technological enhancement but a strategic necessity to aid in the development of sustainable communication and reporting. Drawing from our national experiences, we can learn from each other, identify best practices, and collectively define the advantages of monitoring in the digital age for the transport of dangerous goods (TDG).

As we continue our discussions during this conference, we will confidently assess the transformative power of Information Technology in shaping secure, sustainable, transparent, and guaranteed standards.

Thank you for your attention