ADB-NACIN Capacity Building Program on Non-Intrusive Inspection (NII) Technologies
02-04 December 2024 ◆ NACIN Palasamudram, India

Participants	o Customs Officials from participating South Asia Subregional Economic Cooperation (SASEC) countries. o ADB staff and consultants; and o Resource Persons from various formations of Central Board of Indirect Taxes and Customs (CBIC)
Objectives	o Understand the importance of Non-Intrusive Inspection, its growing importance in international trade and its relevance to SASEC countries, o Discuss the existing and emerging challenges from diverse perspectives o Learn about the Non-Intrusive Inspection o Share best practices

Day 1 **02 December 2024**	
09:50 –10:00	**Registration and Arrival of Dignitaries**
10:00 –10:30	**Opening session** • Opening Remarks • Welcome Remarks • Group Photo
10:30 – 10:50	**Introductory presentation about the SASEC program and capacity building activities** **Speaker:** *Ms. Pia Reyes, Senior Regional Cooperation Officer, ADB*
10:50–11:50	**Session 1** **Overview of Customs Operations** A thorough introduction to customs is vital for setting the context of the role and significance of non-intrusive X-ray technology within the larger framework and organization of Customs enforcement. **Topics to Cover:**

	o Role of Customs in border security. o Processes and policies related to cargo clearance at sea ports and airports. o The importance of technology in modern Customs enforcement, including the role of risk management. **Resource Person**: *Shri Amitesh Bharat Singh, ADG, Directorate General of Systems and Data Management, New Delhi* The Resource Person will also present a short video on evolution of Indian Customs and explain its organizational structure, operations and Cargo Examination process Q&A
11:50 –12:05	**Tea/Coffee Break**
12:05–13:00	**Session 2:** **Cargo Selection Criteria for X-Ray Scanning at Sea Ports and Airports** Determining which cargo should undergo X-ray scanning is crucial for maximizing resources while ensuring security. The training will emphasize the criteria Customs officers use to select cargo for scanning, based on factors such as Risk profiling, Cargo type, Country of Origin, and intelligence inputs. **Topics to Cover:** o Risk profiling and its role in cargo selection for scanning. o Identifying high-risk cargo categories. o The use of intelligence data to inform cargo scanning decisions. **Resource Person**: *Mr. Ramesh Moorthy, AD, NCTC, Mumbai* The resource person will present a methodology on the selection criteria for Cargo Examination and scanning both at Sea ports and airports etc **Q & A**
13:00 – 14:15	**Lunch**

14:15—15:30	**Session 3**: Practical hands-on training (XBIS) at Immersive Learning Centre **Speaker:** *Mr. Sheel Kumar Thakur, Sales Director, Rapiscan*
15:30 –15:45	**Tea/Coffee Break**

15:45 – 17:00	**Session 4:**
	
	 Case Studies: Presentations of Cases detected on the Basis of X-Ray Scanning
	
	 Real cases where X-ray technology has played a critical role in detecting contraband or violations would be showcased. These case studies can help officers understand the practical applications of X-ray technology in identifying concealed goods, weapons, drugs, or other illicit items.
	
	 Topics to Cover:
	
	     o Success stories of interdiction based on X-ray scanning.
	     o Analysis of scanned images and the items detected.
	     o Generation of Alerts and connected functioning.
	     o Lessons learned from cases where scanning was successful and where it was bypassed.
	
	 Resource Person: *Mr. Ramesh Murthy, ADD, NCTC, Mumbai*
	
	 The resource person will present the cases booked using the X-ray scanning along with the above topics
	
	 Q & A

18:30 – 20:00	**Evening Activity: Campus Tour**

	Day 2 **03 December 2024**

09:00-10:15	**Session 5**
	
	Strengthening enforcement efforts
	
	The session aims to give insights on use of NII technologies to strengthen the enforcement efforts along with the case studies.
	
	Topics to cover
	    o Illicit drug trafficking
	    o Discussion on various *modus operandi* used by drug traffickers at the passenger Terminal of International Airports, International Cargo Terminal Courier Terminal, Foreign Post Office and Inland Customs Depots
	    o Use of drone as a medium push drug along with arms, ammunition and FICN
	    o Trends in illicit drug trafficking
	
	Resource person: *Mr. Srinivsan Gopal, AD, NACIN Palasamudram*
	The resource person will introduce the topic by presenting videos by which illicit drug trafficking takes place.
	
	Q & A

10:15–10:30	**Tea/coffee Break**
10.30-11.45	**Session 6** **NII by other agencies: Central Industrial Security Force (CISF)** Session will cover the tools/ technologies/best practices being used by CISF along with the procedural aspects during NII at airports and critical installations etc.

	Topics to be covered:
	
	    o Roles and responsibilities of CISF officials during NII.
	
	    o How to read and interpret images or data produced by scanning.
	
	    o Detailed walkthrough of the scanning process from the initial scan to the follow-up actions.
	
	    o Interpretation of Scanning Images: Common indicators of contraband or anomalies etc
	
	Resource person: *Mr. Shri Vipin Sharma, Deputy Commandant, Central Industry Security Force (CISF)*
	
	Resource person will provide guidance on the use of the equipment and the procedural aspects with respect to Non-Intrusive Inspection (NII) technologies and analysis methodologies used by CISF.
	
	Q & A

11:45--13:00	**Session 7** **Use of Canine (K9) squad at International Airports and land borders** Cases of Narcotics detected at Major Airports and land borders **Resource person:** *Mr. Puneet Gunawat, Joint Commissioner, Amritsar Customs* The resource person will present the effectiveness of the K9 squad at the International Airports and Land Customs Stations. **Q & A**
13:00 – 14:00	**Lunch Break**
14:00-15:30	**Session 8** **Exploring the Technical Aspects of Scanning and In-Depth Analysis of Container Scanning Images.**

Technical aspects of scanning in short and analysis of container scanning images in details. It may include a set of reports, images, and documentation to help customs officers assess the contents of the container as well as comparative analysis.

Topics to cover:

Explanation/Analysis of clear, detailed images of the container's interior showing the contents as captured by the scanning technology.

- If the technology allows 3D models or 2D X-ray images of the scanned container may be provided. These images with different layers may be explained for better understanding.

- Images with highlights or annotations indicating areas of interest, such as potential contraband or inconsistencies that need further inspection.

- This explanation could include descriptions of identified objects or anomalies that appear suspicious.

- Comparative Analysis: If there are discrepancies between the scan and the declared contents (from the shipping paperwork), a detailed report explaining these differences should be included.

Resource Person: *Mr. Warren Philip Streeter, Senior Director, Rapiscan*

Resource person will give a detailed presentation on how the images are captured, what are the different image types with their analysis

Q&A

15:30 – 15:45	**Tea/Coffee Break**

15:45-17:15	**Session 9:** **Visit to Immersive Learning Centre NACIN, Palasamudram** Visit to Immersive Learning Centre NACIN, Palasamudram for hands on experience and training with reference to Narcotics, Wildlife, Antiques, etc. **Resource person:** *Mr: Sujith Sompur, ADD, NACIN, Banaglore*
18:00 – 19:00	**Evening Activity: Movie/Karaoke**
Day 3 **04 December 2024**
10:00–11:00	**Session10**: **Country wise experience sharing** A representative from each country delegation will brief the participants on the status of Non-Intrusive Inspection in their country and the benefits/advantages gained from this workshop **(07 minutes for each country)**
11:00-11:45	**Session 11: Feedback and Valediction** o Review or Feedback on the Program o Closing Remarks o Presentation of Certificates o Vote of Thanks/Conclusion of Program
11:45 – 12:30	**Lunch Break**
12:30 – 13:00	**Check-out**
13:00 – 14:30	Travel to ACC, Bangalore
14:30– 17:00	**Session 12:** Visit to Air Cargo Complex, Bangaluru [With a Tea/Coffee Break at 16:30-16:45]
18:00	**Check-in to Taj MG Road Hotel**