

INDIAN CUSTOMS EDI SYSTEMS



The journey of the Indian Customs EDI Systems (ICES) had a humble beginning in the form of a feasibility study conducted jointly by NIC and the Department of Revenue in December, 1992. This was to explore options to automate the procedures of Indian Customs at various locations across the country. The pilot project was launched in May, 1995 at Delhi Customs House which included Electronic Data Interchange(EDI) as a key element for connecting all the stakeholders involved in international trade with the Custom Houses, electronically. The small step taken towards implementation of ICES at a single site in 1995 has been consolidated over the years and the application is now running successfully at 255 locations across the country.

OBJECTIVES

Become the support pillars of our Economy

There are two vital pillars of International Trade of any country. These are Export and Import of commodities.

ICES comprises of two main sub systems namely, Indian Customs EDI system/ Imports (ICES/I) and Indian Customs EDI System/ Exports (ICES/E)

Promote Ease of Doing Business

Prompt response to the needs of the trade is an important part of the overall process of Computerization of Customs related functionalities and procedures. At the same time, taking into account the requirement of transparency in working, Customs officers at various levels were made accountable for their actions through a tracking mechanism

Minimize personal interaction

Minimum personal contact of Trade with Customs officers and various Government agencies like DGFT, EPCs, Ports, Airport Authority of India and Banks has been achieved with a robust message exchange mechanism among various stakeholders. It is a significant step towards a graft free business and faster clearances

Provide a holistic view

To provide the mechanism for consolidated information from various Customs locations and to make useful policy related economic decisions, nationally and to share critical information with various agencies associated with Exports and Imports Statistics and Investigations



MAJOR EVENTS DURING THE LIFESPAN OF ICES :

1995

Launch of the ICES Application



2000

Y2K Transition



2005

Risk Management System introduced in Imports Clearance



2007

Introduction of Online Customs Duty Payment Facility



2013

Risk Management System introduced in Exports Clearance.



2017

Single Window and Successful Rollout of the GST regime



2018

E-sanchit



2019

TURANT Customs

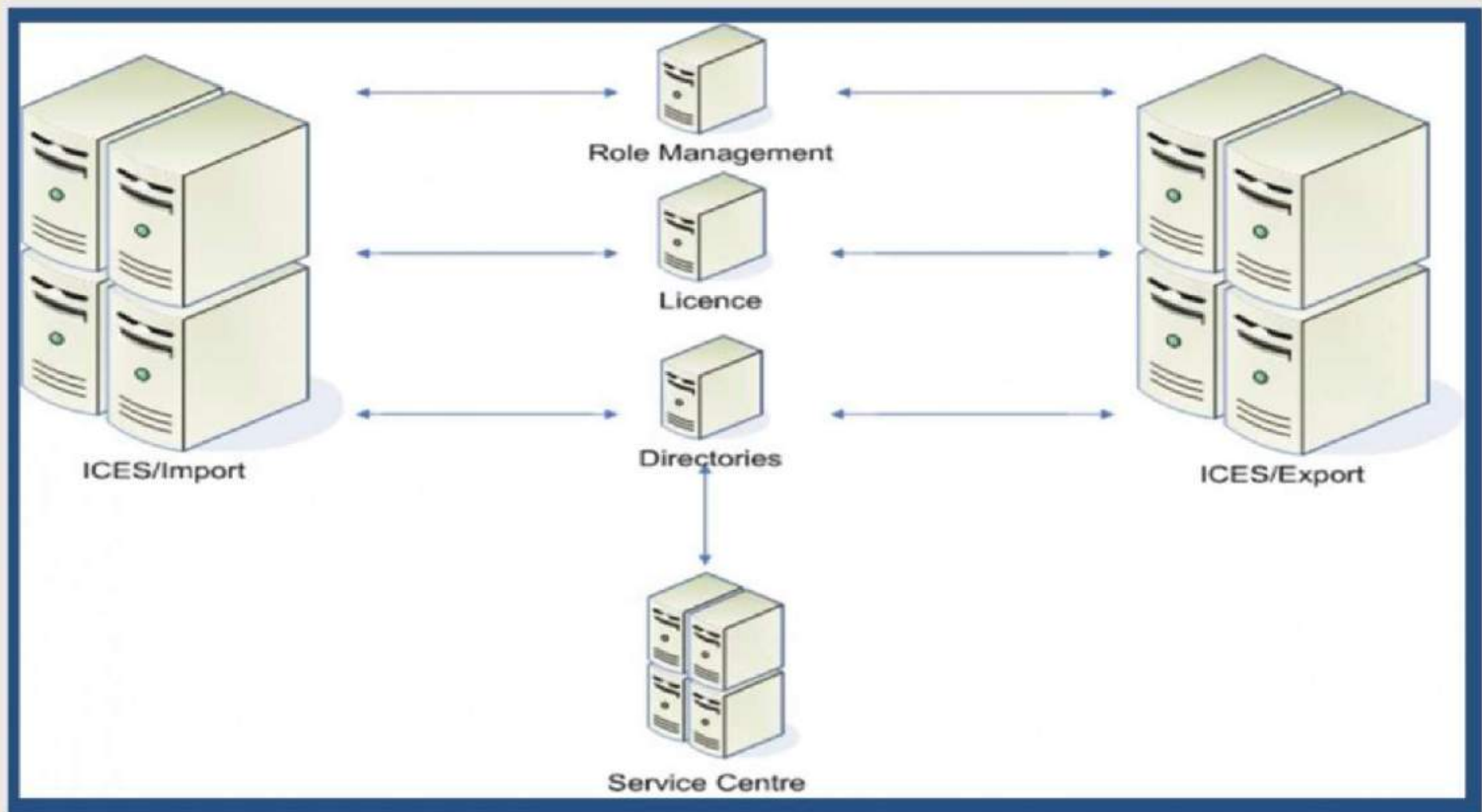


2020

Faceless Assessment Application



THE PIONEERING VERSION OF ICES : MAIN FEATURES



Developed by reengineering the core processes in Indian Customs

Introduced paperless work flow and automated customs-v clearance

Electronic exchange of information with the trading partners like Ports, DGFT, Airlines, Shipping Lines/ Shipping Agents, Customs House Agents/Importers/ Exporters, Banks, CFS Operators, DGCIS, RBI etc.

System calculation of imports duties, exports incentive-drawback, duty foregone etc. and digital payments



Remote EDI System (RES), is windows based series of packages which facilitates the Customs House/Agents /Importers / Exporters in preparation of Bill of Entry, Shipping Bill, Import Report, Export Report, Consol Manifest declarations in the format acceptable to ICES for remote submission at Customs House through Indian Customs EDI Gateway(ICEGATE). This standalone software package has been developed by NIC. It provides the facility to submit documents from the comfort zone of the stakeholder's premises.

UPGRADE TO ICES 1.5

A major exercise was initiated in 2009 to migrate the then existing de-centralized version of the ICES Application to a Uniform Centralized software which culminated successfully with the launch of ICES 1.5 or central server based applicaton.



NIC AS TECHNOLOGY PARTNER

Customs Export Facilitation- NIC as Technology Partner





TRADE FACILITATION ENSURING EASE OF DOING BUSINESS

CBIC ENSURING EASE OF DOING BUSINESS

1

Facilitating Manufacture in Customs Bonded Warehouse to boost Make in India

Technological Reforms like automated clearance of Bill of Entry, eGatepass/Out of Charge aimed at Ease of Doing Business

2

3

Considerable Jump in Trading Across Borders Rankings from 80 to 68 in Doing Business Report 2020

Indian Customs EDI System serving stakeholders for 25 years has been a hallmark of Customs Automation

4

#AatmaNirbharEconomy



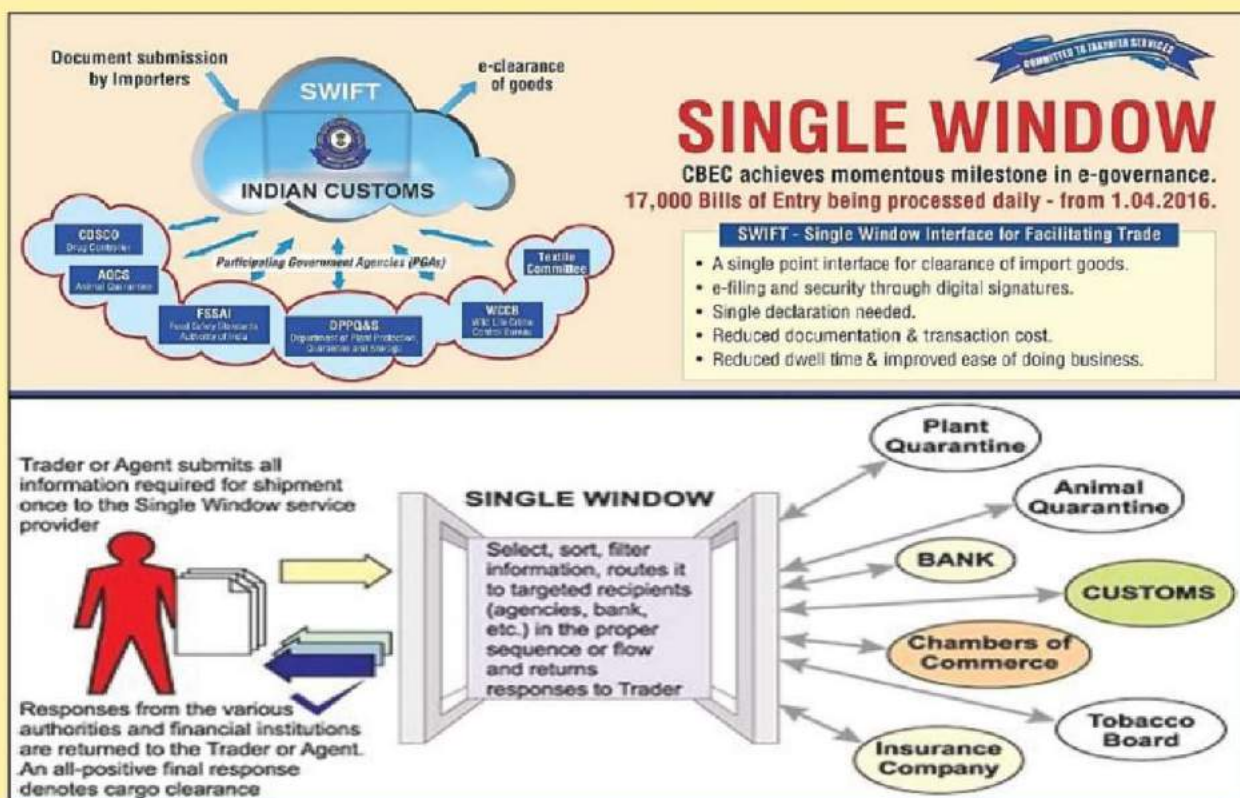
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Today, under the umbrella of Turant Customs, reforms like web-based registration, auto-queuing for clearance, machine release, emailing of PDF version of OOC copy of Imports and LEO copy of Exports and many more facilities for ease of trade have been achieved which has made Indian Customs greener, more transparent, faceless and near complete digital. It is rapidly moving towards SMART governance, while improving our world rankings in Trading across Borders category of the World Bank report. Due to this, even amidst the Covid-19 crisis, ICES has enabled the field formations to function effectively keeping trading activity and the supply chain alive.

INDIAN CUSTOMS

e-sanchit: Enabling a paperless clearance environment

- Permits uploading of digitally-signed supporting documents for Customs clearance
- Paperless processing implemented under Single Window Interface for Facilitating Trade (SWIFT)
- Reduces physical interface between Customs/regulating agencies & trade
- Expedites Export & Import clearance
- Physical copies of supporting documents not required

SANCHIT - Enhancing Ease of Doing Business

Indian Customs- Making Trade Swiftier, Smoother, Safer

MINISTRY OF FINANCE
Government of India

CBIC LAUNCHES PAPERLESS EXPORTS UNDER TURANT CUSTOMS

A Flagship Initiative to Promote Ease of Doing Business and Enhanced Use of Technology

TURANT CUSTOMS INITIATIVE

- FACELESS
- PAPERLESS
- CONTACTLESS

BENEFITS TO TRADE

- SAVES TIME
- REDUCES COST

Under Turant Customs Initiative, a Secure QR Code enabled, PDF based LEO copy and Export Gatepass copy to be sent electronically to the exporters immediately

Shri. M. Ajit Kumar, Chairman CBIC Launched Paperless Documentations on Exports under Turant Customs on 22nd June 2020



MEDIA COVERAGE OF ICES



Risk management system in exports	Business Line	25-June-2013
Customs to launch online rotation number for berthing	Business Standard	1-June-2017
India and the WTO's Trade Facilitation Agreement	Mondaq	1-Oct-2018
Government extends paperless processing of export documents to all ICES locations	The Economic Times	12-Nov-2018
CBIC issues procedure for processing IGST Refund Paid on Exports of Goods done from Non-EDI	Taxscan	27-Nov-2018
1st Nepal-bound container train under ECTS flagged off	Times of India	16-Feb-2019
Turant, Customs solution for speedy clearance of goods	Business Line	1-March-2019
Shipping Bill Importance in Customs	Grainmart	24-Nov-2019
Customs to roll out faceless assessment for imported goods	Business Standard	5-Sep-2020
Faceless Assessment under Customs Law Brings in transparency, less human intervention objectives, challenges.	Financial Express	3-July-2021
CBIC streamlines faceless assessment for faster customs clearance	Times of India	8-July-2021

FACELESS ASSESSMENT SCHEME



With NIC as its technology partner, the Central Board of Indirect Taxes and Customs (CBIC) initiated and implemented several reform measures in the recent past focusing on simplifying cross-border trade. To meet the objective of providing a more efficient, transparent, and standardized Customs assessment experience, a fundamental change namely "Faceless Customs" was implemented

Faceless Assessment takes the following into consideration :

Anonymize the assessment process.

Remove the physical interface between Trade and Customs.

Ensure uniformity of assessment across locations.

Promote sector-specific and functional specialisation.

Improve workload for efficient utilisation of manpower and resources for Customs.

Automate end-to-end clearance process.

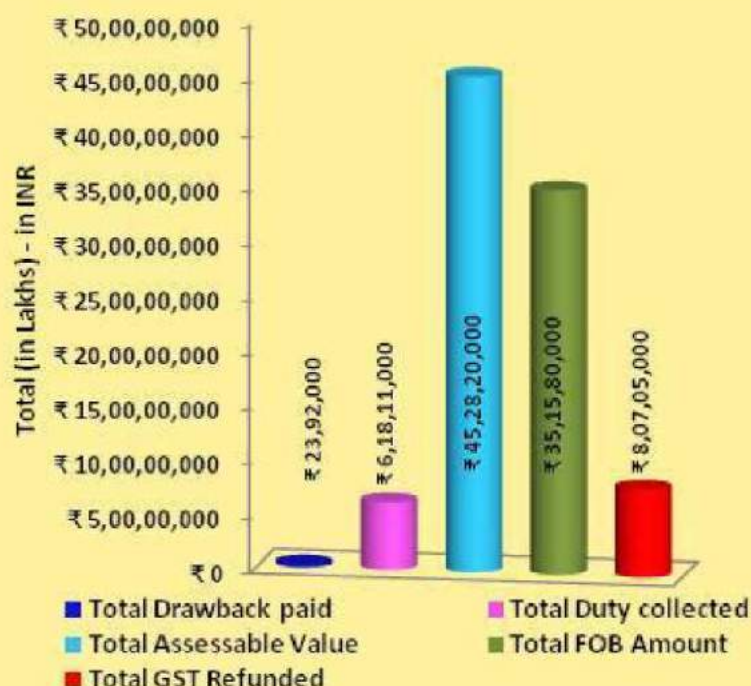
This revolutionary step has covered that extra mile in reducing Trade and Customs physical interaction as the document assessment process has gone truly national. The Exporter/Importer are transparent to the fact as to where the documents are being assessed.

STATISTICS FOR FINANCIAL YEAR 2021-22 AT A GLANCE

COUNT OF DOCUMENTS



SIGNIFICANT FINANCIAL PARAMETERS



RECOGNITION OF EFFORTS

CBIC has expressed its deep appreciation for NIC, its technology partner which was instrumental in visualization, conceptualization, design and development of the digitization project. NIC has been a steady and valuable partner of CBIC from the very beginning.



NIC-ICES team has won accolades for its immense and diligent efforts to achieve the goal of Digital Customs.



CBIC LEVERAGING TECHNOLOGY TO SERVE TAXPAYERS DURING COVID-19

To reduce human interface during COVID pandemic, CBIC is leveraging technology to provide secure & seamless applications for Customs processes, which are contactless and paperless by rolling out initiatives such as e-Gatepass and online amendments.



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Indian Customs : Swift Clearances to support Healthcare facilities during COVID-19



Nhava Sheva Customs



Liquid Medical Oxygen and
Oxygen Cylinders from Kuwait
cleared within
10 minutes of arrival

Cochin Customs



Oxygen Cylinders from
Bahrain cleared within
10 minutes of arrival

Major lifesaving consignments containing **Liquid Oxygen, Oxygen concentrators, Oxygen cylinders, ventilators, Pulse oximeters** among others cleared via the ICES application within minutes of arrival. These worked as **"Sanjeevani"** for the citizens who were in desperate need. This has also been acknowledged on the official Twitter handle of CBIC.

25 YEARS OF EXCELLENCE



FUTURE ROADMAP



-  To develop Conversational chatbots with backend RESTAPI connectivity
-  Using Natural Language processing techniques or automatic generation of SQL scripts from statistical data
-  Predictive analysis of Export and Imports trends at various ports
-  Use of blockchain technology for exchange License details with DGFT
-  Dynamic reports - User should have option for selecting the output columns and input parameters
-  Using machine learning algorithms and python packages