PCS 1x_ Modules

Scope

Sr. No.	Particulars	Status
1	Study the application architecture and systems architecture of the existing PCS 1.0 platform and propose a suitable cloud environment as per guidelines of the Government of India and as per requirements of the IPA	Delivered
2	Prepare a cloud migration roadmap for PCS 1.0 and implement the same.The cloud solution should meet the following criteria: * Facilitate seamless migration of the existing Application hosting from NIC Datacenter to a MeitY Certified Cloud Service provider with DR capabilities as per the mutual understanding with IPA on SLA and deliverables on various aspects of Uptime of Infrastructure, Application, Connectivity, Information Security & Compliance, etc.; as per the implementation guidelines of the incumbent solution provider of PCS 1.0 solution. * Bandwidth guidelines for access of the PCS 1.0 application for locations of IPA to the chosen MeitY Certified Cloud Service provider. * IPA will have complete ownership and will transact directly with the MeitY Certified Cloud Solution provider while the Service Provider will facilitate the management of the solution. Solution provider to propose the optimum model for rules of engagement and ownership to IPA. * Solution should have Onsite and Offsite proper backup mechanism along with a mechanism for restoring data to check the backup consistency as per the mutual understanding with IPA on SLA. * Solution should be able to meet Recovery Point Objective Recovery Point Objective (RPO) i.e. acceptable Data Loss and Recovery Point Objective (RPO) i.e. time to bring back system defined in SLA. * All services and licenses procurement will be proposed by successful bidder and responsibility of procurement and cost shall rest with IPA, who will be the owner.	Delivered

Sr. No.	Particulars	Status
3	Create an application support and maintenance strategy and implementation of the same as per the SLAs agreed to with the IPA.The support activities should meet the following criteria: * Facilitate for the maintenance and support – L1, L2 and L3 support for the application as per the mutual understanding with IPA on the desired SLA. * infrastructure on the MeitY Certified Cloud Solution. * Facilitate for seamless application of firmware upgrades, hot fixes and updates on hosted Infrastructure/ application; as per the implementation guidelines of the incumbent solution provider of PCS 1.0 solution * Study the existing Port Community System (PCS 1.0) and conduct business process discovery on the implemented platform * Prepare a Business Requirements Specification (BRS) document identifying the list of processes that are proposed to be modified due to the proposed value add solution; their existing flow (AS IS) and the recommended proposed flow (TO BE)	Delivered

Sr. No.	Particulars	Status
4	Create a Software Requirement Specification (SRS) document, to encapsulate the functionality of the proposed value add solution. The value add solution should meet the following criteria: Value added solution shall utilise data provided by/ derived from PCS system ◊ Solution should adopt Auto filling/ Population of data to eliminate duplication and multiple entries by various stakeholders. ◊ Solution should link data among the various stakeholders with quick response mechanism. ◊ Solution provider to maintain the data security by encoding and decoding the data. ◊ Solution should eliminate the dependency on multiple data entries by bringing in more efficiency through automation. ◊ Solution to enable access independent of form factor of devices and operating system there by increasing the level of accessibility for customers to seamlessly connect and interact from anywhere, anytime, securely making it a valuable tool for the modern business ◊ Solution should provide payment tracking and payment-transaction mapping. ◊ Solution should have centralised identity management for all defined users. ◊ Solution should facilitate seamless exchange of information/ data in multiple formats and in electronic form. ◊ Solution should be capable of integration with external modules as available in market or which can be envisage in future so that the stakeholders can be benefited. ◊ Solution shall cater to industry standards of quality and information security with certifications like ISO 27001:2013 and ISO 9001:2015 ◊ Solution should adhere to Government mandated accessibility standards such as W3C Markup Validation Service. ◊ Solution should provide Decision Support Tools to all stakeholders. ◊ Solution should have the ability to provide end users to search for their relevant system information of various categories and types in a simplistic manner. ◊ Solution to be capable enough to handle integration and migration with existing PCS 1.0. Solution provider is expected to extend handholding services to stakeholders for integration of their internal systems with the proposed value-add solution. ◊ Solution should provide Notifications in the form of SMS, Email and In App Notifications. ◊ Solution should have the capability of providing Invoicing to the users of value added solutions in multiple formats and against multiple parameters related to the transaction. ◊ Solution should have the capability to automate capture of data. ◊ Solution is expected to be leverage a reliable, scalable and flexible infrastructure to cater the on-demand requests as per customers Business Continuity Plan guidelines.	Delivered

Sr. No.	Particulars	Status
	◊ Solution provider is expected to provide infrastructure hosting on partners approved by Ministry of Electronics and Information Technology. ◊ Solution provider is expected to carry out end user training in the following: » Training Workshops for Application users (Train the Trainer concept). » Workshop for customer IT Team. » User Standard Operating Procedure (SOP) documents. » Video SOP. » Tool Tip with the guidelines. » Mock up Presentations. ◊ Solution provider should provide SLA based (response and resolution) support as per the following: » Ticketing System for capturing incident and record of closure. » Onsite resources for L1 and L2 support. » Offsite resources for L3 and above. ◊ To prepare Data Analysis report that captures the data points required from the PCS 1.0 platform for value add solution to function as desired. ◊ To prepare design strategy that eases use of value add system (user experience; user interface). ◊ To prepare a reporting/ dashboarding application design strategy for various stakeholders. ◊ To prepare a Notifications and Alerts strategy for event based triggers on key transactions. ◊ To prepare mobile application strategy. ◊ Providing relevant documentation for the value add solution. ◊ Provide training to various stakeholders on a "train-the-trainer" basis. ◊ Set up a central 24/7 helpdesk with locational support as per SLA. ◊ PCS Operations on cloud platform.	

Sr. No.	Particulars	Status
5	Support and Maintain the PCS 1x solution: • Ticketing System for capturing incident and record of closure • Onsite resources for L1 and L2 Support • Offsite resources for L3 and above. • Set up a central 24/7 helpdesk with locational support as per SLA defined as scope in the tender. • We shall monitor and manage infra as per the SLA's defined as scope in the tender.	Delivered
6	Solution Architecture	Delivered
7	Service Offerings	Delivered
8	Management Services	Delivered
9	Value added solution shall utilise data provided by/derived from PCS system * Proposed PCS 1.x shall be developed and deployed to suit the value add of reuse of data. As such the proposed system shall use the existing data of registered vessel or voyages from PCS 1.0 for the various locations/ port users to utilize for creating new vessel and voyages	Delivered
10	Solution should adopt auto filling/ population of data to eliminate duplication and multiple entries by various stakeholders. * By using the unique parameters such as IMO Number/ VCN Number (IMO Number of the vessel will provide the Vessel Details, Dimensions, Nationality, Port of registration etc.) the Proposed PCS 1.x System shall use Auto filling/population of data from Government authorised datacenters for the different forms to reduce the data entry.	Delivered
11	Solution should link data among various stakeholders with quick response mechanism. * All the documents/ output messages generated by the proposed system shall have the QR Code enabled / printed for easy message retrieval and also by incorporating QR codes into any kind of print media so that customer doesn't have to click anything.	Delivered
12	• Solution provider to maintain the data security by encoding and decoding the data. Will have all the necessary procedures / infrastructure/ technology / personnel to ensure that the ERP System Security is not compromised.	Delivered

Sr. No.	Particulars	Status
13	• Solution should have centralised identity management for all defined users. * Proposed PCS 1.x will have multiple authorisation layer with central repository of all users defined with allocated roles and access rights * Every user defined within PCS 1.x that have access to the modules will have unique user ID and will have to adhere to stringent password policies ◊ Password to be minimum 8 Characters with One Caps, One Numeric and One Special Character ◊ Auto expiry/ Password change will be forced every 45 Days ◊ Password cannot be reused- Past Five Passwords ◊ Password cannot be Same as User ID ◊ Three failed attempts will Expire the session and Lock the User ID. User need to request Admin for reset of password ◊ Password to be 2 factor authentications (Password and OTP).	Delivered
14	Solution should facilitate seamless exchange of information/data in multiple formats and in electronic form. * Proposed PCS 1.x will seamlessly exchange data in below formats with all the ports with their respective Existing Systems ◊ .XML ◊ EDIFACTS ◊ JSON ◊ WEB SERVICES ◊ .XLS ◊ ASCII (Text)	Delivered
15	Solution should be capable of integration with external modules as available in market or which can be envisage in future so that the stakeholders can be benefited.	Delivered
16	Solution shall cater to industry standards of quality and information security with certifications like ISO 27001:2013 and ISO 9001:2015	Delivered
17	Solution should adhere to Government mandated accessibility standards such as W3C Markup Validation Service.	Delivered

Sr. No.	Particulars	Status
18	Solution should provide Decision Support Tools to all stakeholders.	Delivered
19	Solution should have the ability to provide end users to search for their relevant system information of various categories and types in a simplistic manner. * Robust search engine will be provided in proposed PCS 1.x enabling users to search basis. * Search area is made available for user at all times at a predefined coordinate on Application. * Search functionality will be based on the key parameters like IMO number, VCN number, Voyage number, IGM number. * User does not have to move out of application for additional information or query. * User shall get organised and precise results.	Delivered
20	Solution should provide Notifications in the form of SMS, Email and In App Notifications. * Proposed PCS 1.x will have the Notification engine where in rules, Notification and content will be defined. * System will generate Notifications such as SMS, Email and In App Notifications after all the activities performed by the users and Stakeholders * Alerts will also be configured in Notification engine and triggered based upon change in status or activity performed in given criteria.	Delivered
21	Solution should have the capability to automate the capture of data. * Proposed PCS 1.x System will be enabled and facilitated with Optical Character Recognition (OCR) to read image (.JPEG) as well as PDF documents to extract data to auto populate on the PCS 1.x application thus reducing the manual efforts and redundancy of data entry.	Delivered

Sr. No.	Particulars	Status
22	Solution provider is expected to carry out end user training in the following: * Training Workshops for Application users (Train the Trainer concept) * Workshop for customer IT Team * User Standard Operating Procedure (SOP) documents * Video SOP * Tool Tip with the guidelines * Mock up Presentations	Delivered
23	Terminal Module	Delivered
24	CFS Module	Delivered
25	Shipping Line Activities	Delivered
26	Compliance	Delivered
a	Provision to enter PD shall be made using a menu option to Port Admin to enable Ports to update as and when any change happens in the PD account details, activate/ deactivate accounts.	Delivered
b	Multiple payment selection and payment thereafter in payment option During make payment, PCS to provide facility to make multiple payment in one go by selecting more than one bill number using check box and corresponding changes to PAYSTS message as applicable	Delivered
c	Multiple line number and B/L required in assessment of cargo charges by moving Bill Number and line number fields from header part to details part and corresponding changes if any to any of the related messages	Delivered
d	Cargo code and shipping bill details in detail part of the assessment of stevedoring charges should be added	Delivered

Sr. No.	Particulars	Status
e	A new message with an XML upload facility shall be provided in PCS to file miscellaneous charges and based on values, port will prepare and upload CNFASC file.	Delivered
f	Automatic issue /printing of NOC of the vessel by sending the data elements from Port to Agents. Provision for declaration of readiness or withdrawal of readiness to be filled in by user in berthing request. Provision for declaration of multiple priorities in the berthing application and an option for withdrawal.	Delivered
g	Provision of screen to port, to see it all registered user details and export in excel format	Delivered
h	Changing of Vessel Building Place from optional to mandatory and providing country code dropdown to fill these details.	Delivered
i	Pre-defined excel upload facility shall be provided so that user can upload crew/ passenger list easily.	Delivered
j	Provision should be made to enter the validity date of ISSC and class certificates to enable system to validate the dates	Delivered
k	Port of destination shall be made optional in berth request since most of the vessels arriving for discharge may not have any fixed destination	Delivered
l	Description of Cargo and Quantity shall be made optional for passenger vessel in berthing request	Delivered
m	Keep the following two fields as mandatory in VESPRO "Vessel Building Place' & 'Date of keel laying' and add field "Make of Vessel'" mandatory.	Delivered
n	Provide option to Port Admin to update the stakeholder profile	Delivered
o	Once Stakeholder is approved, PCS should not allow stakeholder to login once his IE registration is expired	Delivered
p	While submitting the assessment of cargo charges [REQCAC] user should get a LOV to select the BL number after entering the IGM number. Accordingly, the respective IGM line number & Sub-line number should be displayed in the REQCAC screen	Delivered
q	Weight of all cargo should be allowed up to three decimal places.	Delivered
r	Shortfall payment facility should be available. Port should be allowed to upload the short fall bill (s) into PCS for payment by agent.	Delivered
s	There should be provision in PCS for the ports to refund the amounts automatically to users when users paid excess.	Delivered

Sr. No.	Particulars	Status
t	VCN link with IGM no or rotation number should be available with port and all other stake holder.	Delivered
u	Re transmission of any message should be directly on the port request through some utility A provision wherein Port can download the messages directly for PCS & ICEGATE for the ones which are missing at their end. Like VESPRO, CALINF, PAYSTS etc by entering some keywords / details.	Delivered
v	A Provision should be made for Ship Chandlers to register online and access assessment of charges for cargo request and e-payment.	Delivered

Modules

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
A	Vessel								
1	Vessel	Vessel Registration	This feature will enable the vessel agent to register their vessel to the respective port.	The information provided by the vessel agent will be used for registering the Vessel One Time for future transaction.	Once vessel is registered in any of the 13 Major Ports the vessel information will be stored in central repository to utilise the Information at all the location. All the details once saved will be auto-filled for future transactions.	Delivered			
				User can use the search functionality for identifying the respective vessel if already registered and the list view where user can check all the details for the vessel registered.	Vessel information such as vessel dimensions, insurance details, P & I detail, number of vessel gears details, engine details	Delivered			
					Documents will be utilised for registration process at other ports	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				In case of the new vessel to be registered user need to enter the Vessel Details, Vessel Dimensions, Insurance Details, P & I Details, Number of Vessel Gears Details, Engine Details, Documents Copies	Only agent related information will be editable for the user.	Delivered			
				Once details are submitted it will be sent as EDI Message to respective port named as "VESPRO".	Once vessel profile is registered vessel agent and port will receive the notifications (Email, SMS, In App Notifications).	Delivered			
2	Voyage List	Voyage Registration	This feature will enable the Vessel Agent to register the Voyage for the registered Vessel.	The information provided by the Vessel Agent will be used for registering voyage for the respective Vessel		Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				User can use the search functionality for identifying the respective vessel if already registered and the list view where user can check all the details for the voyage registered.	Once voyage is registered vessel agent and port will receive the notifications (Email, SMS, In App Notifications) of "CALINF" submission to the port.	Delivered			
				In case of the new voyage to be registered user need to enter the voyage details and cargo details.	Once VCN (Vessel Call Notification) is allotted to the respective voyage, vessel agent and port will receive the notifications (Email, SMS, In App Notifications) of "CALINV" submission to the port.	Delivered			
				Once details are submitted it will be sent as EDI message to respective port named as "CALINF".		Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				Once CALINF is received by the port, they provide the VCN number. to the voyage registered. which is a "CALINV" EDI message.		Delivered			
3	Allotment of VCN	Voyage Registration	This feature will enable port/terminal to allocate VCN for the new voyage request of user (Shipping line/importer/ exporter).	Vessel voyage information will be utilized for allocation of VCN number to vessel.	Automate the VCN allocation process, system will automatically allocate VCN number to vessel for the specific port call.	WIP	Suggestive Reforms, Different ports use different format to generate the VCN, Require approval from IPA to generate auto VCN through PCS. This will bring standardisat ion to VCN	Ports have communicated that this functionality is not required and the VCN is generated by POS.	Closed

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
							format across all the platform		
				Port/terminal allocate VCN number to all the vessel visiting that port.	Vessel Information such as ETA, Cargo Details, Terminal/Port details will be utilized for allocating VCN number and the voyage will be register in the System.	WIP	Suggestive Reforms, Different ports use different format to generate the VCN, Require approval from IPA to generate auto VCN through PCS.	Ports have communicated that this functionality is not required and the VCN is generated by POS.	Closed

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				Vessel list with allocated VCN number will be displayed in the grid view.	Once VCN is allotted to the respective voyage, vessel agent and port will receive the notifications (Email, SMS, In App Notifications) of "CALINV" submission to the port.	Delivered			
				Auto VCN can be allocated to each vessel which has requested for the voyage registration.		WIP	Suggestive Reforms, Different ports use different format to generate the VCN, Require approval from IPA to generate auto VCN through PCS.	Ports have communicated that this functionality is not required and the VCN is generated by POS.	Closed
4	Berth Allotment	Vessel Berthing	This feature will enable port/terminal to receive application for berth	Vessel agent will request port for berth allocation.	Berth request form and Berth allocation form will be made to input data for berth allocation request.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				allocation and to allocate resource.					
				Port will allocate berth to vessel based on specification and request for the vessel berth.	Notification will be shared to port and shipping agent on submission and approval of berth allocation request.	Delivered			
				Berth allocation will be done based on availability of berth space, cargo type, vessel length, terminal/port on call and requested berth by vessel agent.	Once berth is allotted to the respective vessel, vessel agent and port will receive the notifications (Email, SMS, In App Notifications) of "BERMAN" submission to the port.	Delivered			
5	Passengers/ Crew List								

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
6	Stowage Plan	Vessel cargo Documentation	This feature will enable shipping line to exchange stowage plan with port/ terminal.	User can use the Search Functionality for identifying the respective vessel if already registered and the List view where user can check all the details for the Voyage Registration and submit stowage plan against it.	On receipt of stowage plan, notification will be shared to Port and Shipping agent for its arrival.	Delivered			
				For the selected vessel data entry form will be available to share stowage plan with Port.	Document submission logs will be given for every vessel, which will help track documents flow along with time.	Delivered			
7	Bay Plan	Vessel cargo Documentation	This feature will enable shipping line to exchange bay plan with Port/Terminal for specific vessel.	User can use the Search Functionality for identifying the respective vessel if already registered and the List view where user can check all the	On receipt of Bay plan, notification will be shared to Port and Shipping agent for its arrival.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				details for the Voyage Registration and submit bay plan against it.					
				For the selected vessel data entry form will be available to share bay plan with Port.	Document submission logs will be given for every vessel, which will help track documents flow along with time.	Delivered			
					Solution to be provided to exchange discrepancy report between port and shipping line which uploading bay plan in the terminal Terminal Operating System (TOS).	WIP	Bay Plan is being submitted by the Shipping Agent in different formats and the load plan with the Ports / Terminals is not available with PCS 1x. Accordingly, this	Closed	

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
							functionality cannot be provided.		
8	Stowage Instruction	Vessel cargo Documentation	This feature will enable shipping line to exchange Stowage Instruction with port/ terminal for specific vessel.	User can use the search functionality for identifying the respective vessel if already registered and the list view where user can check all the details for the voyage registration and submit stowage instruction against it.	On receipt of Stowage Instruction, notification will be share to port and shipping agent for its arrival.	Delivered			
				For the selected vessel data entry form will be available to share stowage instruction with port.	Document submission logs will be given for every vessel, which will help track documents flow along with time.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
					Solution to be provided to exchange discrepancy report between Port and shipping line which uploading stowage Instruction in the Terminal Operating System (TOS).	WIP	Stowage Instruction is being submitted by the Shipping Agent in different formats and the load plan with the Ports / Terminals is not available with PCS 1x. Accordingly, this functionality cannot be provided.	Closed	
9	Dangerou s Goods Notificatio n	Vessel cargo Documentat ion	This feature will enable shipping line to exchange dangerous goods notification with port/ terminal for specific vessel.	For already registered vessel, user will use search functionality and will upload all the documents related to dangerous goods.	Against each of the cargo/ Container, documents upload functionality will be able to upload Material Safety Data Sheet (MSDs) documents.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
					Logs will be available for all the uploaded documents against each cargo/container.	Delivered			
					Notification of all upload of documents to be sent to port user and shipping agent.	Delivered			
10	Dangerous Goods Notification Acknowledgement	Vessel cargo Documentation	This feature will enable port to accept and acknowledge dangerous goods notification which shipping agent has submitted to port/ terminal for specific vessel.	For already registered vessel and dangerous goods notification submitted vessel, port will have an option to view and acknowledge documents.	Port user will be able to acknowledge dangerous good declaration by shipping line and cargo agent.	Delivered			
					Logs will be available for all the acknowledge documents against each cargo/container.	Delivered			
					Notification of all acknowledge of documents to be sent to port user and shipping agent.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
11	Requisition of Resources	Resource booking and allocation	This feature will enable port user to request to port for resources requisition.	For already register Vessel Operating Agent (VOA)/ importer/exporter to request port for resource requisition for his vessel.	Notification to Port and Vessel Operating Agent (VOA)/importer/ exporter for the request of resource requisition.	Delivered			
12	Allotment of resources	Resource booking and allocation	This feature will enable Port to acknowledge and allocate resources based on request of Port Users.	Port user to request for resource requisition.	Port will allocate resource based on request.	Delivered			
				Port will acknowledge request and to allocate resource based on request.	Notification to port users will be shared on email.	Delivered			
					Status of all the pending and approved request can be checked online by Port and Port user.	Delivered			
13	Re-berthing	Vessel Berthing	This feature will enable port user to request for re-berthing of already sailed/ unberthed vessel.	User can use the Search Functionality for identifying the respective vessel from already	Port User will be able to see already sailed/ unberthed vessel list.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				sailed/unberthed vessel.					
					Solution to be provided to exchange discrepancy report between Port and Shipping Line which uploading bay plan in the terminal TOS	WIP	Discrepancy report is being submitted by the Shipping Agent in different formats and the load plan with the Ports / Terminals is not available with PCS 1x. Accordingly, this functionality cannot be provided.	Closed	
14	Vessel Movement	Vessel Berthing	This feature will enable port user to request for vessel movement from one berth to	User can use the Search Functionality for identifying the respective vessel	Port User will be able to see already berthed vessel list.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
			another berth of already berth vessel.	from already berthed vessel.					
				Vessel agent to request port for movement of vessel from one berth to another berth.	Notification to Port users and Port for the request and status acknowledgement by port.	Delivered			
					Port can assign available pilot for the allocation of job.	Delivered			
15	Terminal Performance Report	Reports	This feature will enable Port/Terminal to monitor its performance through different parameters.	Under this, Port/ Terminal will be able to monitor performance of various areas of operation and maintenance.	Live performance of various activities of terminal can be viewed.	Delivered			
				Port/Terminal will be able to Monitor Vessel, Yard, Gate, Rail performance.	Time and period-based performance of different activities of terminal can be viewed.	Delivered			
16	Pilot Memo Application	Vessel Berthing	This feature will enable Port to create Pilot booking based on	Port User will request for berthing of vessel	Vessel Agent can submit the request for Pilot and view Its status.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
			the berthing request of Vessel agent.	for already register vessel.					
				Port User will request for allocation of Pilot based on Arrival time of vessel, Vessel Readiness time, Pilot required time and From and to location of port.	Notification to be shared to Vessel Agent and Port on submission of request for Pilot booking.	Delivered			
17	Pilot Memo Acknowle dgement	Vessel Berthing	This feature will enable port to acknowledge pilot booking request based on availability of pilot and request time for pilot booking.	Port will acknowledge the request for pilot booking for already registered vessel based on selection of VCN number.	Notification on mobile can go to allocated pilot with name of vessel and time of allotment.	Delivered			
					Notification can go to port and vessel agent with pilot booking conformation.	Delivered			
					Pending request and approved request can be viewed by port and vessel agent.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
18	Pre-arrival notification	Vessel berthing	This feature will intimate port with expected time of arrival of vessel by vessel agent.	For the already registered vessel, Vessel agent will select and mention the ETA of vessel.	Notification will be shared to port and vessel agent for about ETA of vessel.	Delivered			
19	Expected time of Arrival (ETA)	Vessel berthing	This feature will intimate port with expected time of arrival of vessel by vessel agent.	For the already registered vessel, Vessel agent will select and mention the ETA of vessel.	Notification will be shared to port and vessel agent for about ETA of vessel.	Delivered			
20	Expected time of Arrival Acknowledgment	Vessel berthing	This feature will be utilized for port to acknowledge expected time of arrival of vessel.	For the already registered vessel and requested ETA of the vessel, port will acknowledge the Expected time of arrival of vessel.	Notification will be shared to port and vessel agent for about ETA of vessel.	Delivered			
B	Container								
1	Equipment Interchange Report (EIR)	Container Operation	This feature will enable port user to view and download EIR copy of container.	EIR copy will be generated once the export container is received inside terminal and Import container has been	Port user can view and download EIR copy once export container is inside port and import container is at out gate for delivery.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				delivered till out gate.					
					Option to retrieve EIR copy for a long period of time.	Delivered			
					Share EIR copy to mail of any person E-mail id.	Delivered			
2	Empty Container Release Order	Container Operation	This feature will enable vessel agent to upload container release order.	Port/terminal and CFS can view and download empty container release order.	Release can be shared on mail id of port and CFS.	Delivered			
					Documentation can be reduced by sending release order on e-mail	Delivered			
3	Container Stock Report	Report	This feature will share container stock report at port/terminal, CFS and empty yard.	Vessel agent can view his container stock at the different location of port/CFS/ Empty yard.	Auto mail can be share for container stock report to vessel agent.	Delivered			
					Historical container stock report can be generated at any point of time.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
4	Request for Carting Permission	Container Operation	This feature will enable CFS/port to give carting permission online.	For already registered vessel, user will request for caring permission to CFS/ port.	Pending carting request can be shown.	Delivered			
					Notification can be made for requested carting permission to Port/CFS and user	Delivered			
5	Confirmation of Carting	Container Operation	This feature will enable CFS/port to give confirmation on carting permission online.	For already registered vessel, port/ CFS will give confirmation on request for carting permission from user.	Pending/approved carting request can be shown.	Delivered			
					Notification can be made for approved/ requested carting permission to port/ CFS and user.	Delivered			
6	Job Order	Container Operation	This feature will enable port/terminal to download job order of already berthed vessel uploaded by vessel agent.	Vessel agent will upload job order for already berthed vessel to release container for delivery/ movement.	Job order received notification to be shared to vessel agent, port/CFS.	Delivered			
					Released list of containers to be	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
					shared to vessel agent and CFS.				
C	Cargo								
1	Agent Delivery Order (ADO)	Maintaining bill of lading	Use the agent delivery order/bill of Lading pages to search, add, and update the bill of lading details such as number of packages, name of consignee, package code, etc.	User can search already added ADO/ bill of Lading for the updating the content.	Portall can integrate with the shipping line systems to fetch the ADO/ bill of lading details for the page.	Delivered			
				Use the ADO/bill of lading page to add details such as shopping bill number, weight of cargo, mate receipt type, etc.	Notification with request type can be shared to port and port users for the requested activity.	Delivered			
				User can add new ADO/Bill of lading with below details:		Delivered			
				User can also view ADO/ bill of lading.		Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
2	Mate Receipt	To maintain mate receipt	Use the mate receipt pages to search, add, and update the details such as weight of cargo, shipping bill date, mate receipt type, etc.	User can search already added mate receipt for the updating the content.	Notification with request type can be shared to port and port users for the requested activity.	Not Applicable	This functionality is not required by trade and hence, this stands closed		
				Use the mate receipt page to add details such as shopping bill number, weight of cargo, mate receipt type, etc.		Not Applicable	This functionality is not required by trade and hence, this stands closed		
				User can add new mate receipt with below details: VCN, actual weight of cargo, shipping bill no, mate receipt type, shipping bill date, remarks.		Not Applicable	This functionality is not required by trade and hence, this stands closed		
				User can also view Mate receipt.					

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
4	Application for Log Entry	Log Entry	Apply for log entry in case the cargo is short landed or excess landed.	Importer/CHA uses this message to apply for log entry in case the cargo is short landed or excess landed. The CHA requires short or excess landing certificate from the port/CFS/ SA for getting benefits in the customs liabilities and claiming the insurance.	Data of the user and cargo which is short landed or excess landed can be taken from the master and port system.	Delivered			
					Notification with request type can be shared to port and port users for the requested SSR.	Delivered			
D	Transport								

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
1	In land Waybill (e-way bill)	Inter-modal handling of containers	Railway/CONCOR uses this message to provide the advance list of wagons/containers expected at the port from different in-land container depot (ICD).	This message serves to facilitate intermodal handling of containers by streamlining information exchange.	Integration with the port/ ICD system to display the in-land waybill details for the further planning.	Delivered	PCS 1x is integrated with FOIS to provide details for Inland Waybill based on selection of Input parameters		
				It is also used to intimate the removal of container from the rake.	Dashboard with the latest In land waybill request for the port/ ICD.	Delivered	PCS 1x is integrated with FOIS to provide details for Inland Waybill based on selection of Input parameters		
				User can use the in-land waybill pages to view the train ID, train origin station, expected date, time, etc.	Notification with request type can be shared to Port and port users for the requested activity.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
2	Rail Receipt	Details of cargo expected at the port/ ICD via rail	Container train operator uses this message to inform the port authorities and stakeholders about the cargo expected at the port via rail.	User can search already added rail receipt for the updating the content with rail receipt No.	Notification with request type can be shared to port and port users once rail receipt generated.	Delivered			
				User can use the rail receipt pages to view the railway receipt date, railway receipt number, freight paid, indent date, etc.	Dashboard with the latest rail receipt entry for the port/ ICD/ shipping agent.	WIP	Rail receipt API has been integrated. Freight paid and indent date is not being shared by FOIS.	Closed	
				User can add new rail receipt with below details: rail receipt No, document ref no.,		Delivered			
3	Removal Memo from Rake	Upload of document	Port authorities use this message to inform the container train operators /shipping agent about the placement of container on the	User can use the removal memo from rake pages to view the terminal train number, shipping line/ MLO code,	Direct upload functionality for the port and terminal to upload rail removal from the dashboard.	WIP	Removal memo is physically exchange of wagon details at Port level At Port	Closed	

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
			rake and removal memo from rake.	invoice number, etc.			siding level this functionality is not required		
					Notification with request type can be shared to port/ terminal and port users once rail removal updated.	Delivered			
4	Pendency of Container s	Container balance to move	Port authorities use this message to inform the container Train operator/SA about the pendency of container with respect to the destination/ICD/ CFS location in the port.	User can use the pendency of container pages to view the information such as container number, container size, container status, etc.	Information of containers balance to move from terminal /port can be taken directly from port/ terminal system via web services, API etc. and display on the user screen for the details.	Delivered			
					Notification with request type can be shared to port/ terminal and port users such as CFS/ ICD/ Shipping agent/ container train operators.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
5	Train Schedule	Train Movement	Container Corporation (CONCOR) uses this message to inform the stakeholders and the port about the train schedules.	User can use the train schedule pages to view the train timing, number of wagons, train number, start location, etc.	Container train operator can upload the Train schedule or Integration with the CTO system to fetch the data and display to the train schedule page.	Delivered			
					Notification with request type can be shared to port/ terminal and port users such as CFS/ ICD/ Shipping agent/ container train operators.	Delivered			
F	Finance								
1	Request for Assessment of Charges-vessel, Containerised Cargo, Cargo, Container, Stevedoring.	estimating the advance charges for vessel	Shipping line/shipping agents use this message for issuing the instruction to the port for estimating the advance charges for vessel and executing the payment.	Use the assessment of vessel charges pages to search, add, and update the details of the assessment of charges for the vessel, containerised cargo, cargo, container, stevedoring.	Auto filling of vessel details based on VCN No. from the data base.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				Use the assessment of charges-vessel, containerised cargo, cargo, container, stevedoring pages to add details such as rotation number, rotation date, type of handling, etc.	Dynamic dashboard for the port and port user for the request sent and request approved / rejected.	Delivered			
				Upon submission of above request, port will assess the request and confirm / reject the request.	Notification with request type can be shared to port/ terminal and port users once assessment confirmed or rejected.	Delivered			
				Once confirmed, remark will be displayed as approved.	Online payment gateway with Net Banking, Cards, NEFT/ RTGS, Wallet.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				SA can make payment for the approved Reference number.	Once payment received- port and port users can view the transaction details as below: Invoice Details, VCN, VIA, Total Amount, aid Amount, UTR / Transaction ID, Customer Name and ID, Mobile Number.	Delivered			
					Notification with request type can be shared to port/ terminal and port users for the payment transactions.	Delivered			
2	PD Account Balance details (PD)	Viewing PD account balance details	Use the PD Account Balance pages to view the details such as total bill amount, PD account	Port authorities use this message to send Port-deposit account (PD account) details to the individual stakeholder, as and when the transaction is being executed. In case of shortfall, the	Wallet option with the notifications of each and every assessment information to top up the account for the respective user for the specific vessel, container, cargo, stevedoring charges.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				intimation will be forwarded to the stakeholder regarding the same.					
3	Refund Order		Use the refund order pages to view the details such as mode of transaction, transaction status, bill number, etc.	Port sends this message to the respective bank when they collect excess amount from the Shipping Agents/CHA for the services they have provided.	Notification with request type can be shared to port/ terminal and port users for the refund payment transactions.	Delivered			
4	Daily Transaction Summary	Daily transaction summary	Payment Gateway authorities to update the port and stakeholders about the details of transaction such as credit/debit performance on their account on that particular day.	Use the daily transaction summary pages to view the details such as the date of transaction, amount credited, amount debited, etc.	Dynamic Dashboard with the credit/debit performance on port and users account for the particular day.	Delivered			
G	Customs								

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
1	IGM (Import General Manifest) On Submission/ Inward Entry	To check status if IGM submitted/ Inward entry	User can search IGM/ Inward entry number to view the status and other details.	User can view the status IGM/Inward entry with relevant details like IGM filing date and vessel details. User can also download document uploaded available.	Easy way to search IGM/entry inward status with auto mail, SMS, in app. notification.	Delivered			
2	Bill of Entry (BE) on submission	To check status if Bill of entry status	User can search bill of entry number to view the status and other necessary details required.	User can search bill of entry number by selecting CHA name and BE number to view status and other relevant details, like container details and cargo details with vessel details.	Latest update of the vessel on which the shipment is going to arrive. Notification and real time alerts (On mail, mobile number and in app.)	Delivered			
3	Out of charge (OOC)	To view out of charge	User can search OOC number to view details and status.	Customs, port, and SA use this page to view the BE on Out of Charge details. User can search Out of charge details and status	Documents download option. Notification and alerts on status.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				by searching BE number, OOC number, and CHA code.					
4	Tranship ment Permit Approval	View transhipmen t approval status	User can search and view status of transhipment permit.	User can search status of transhipment permit by searching IGM number and Site ID.	Documents download option. Notification and alerts on approval	Delivered			
5	Allotment of Rotation number	To view the rotation number request status	User can check the status of rotation number request status and other details.	User will search International Maritime Organisation (IMO) code, voyage number, CHA code to view rotation number request status.	User will get status and approval notification mail and app. He can view status on dashboard.	Delivered			
6	Shipping Bill Details	View shipping bill details	User can check details of his/her shipping bill.	User can view details of his/her shipping bill by searching the SB number and site ID.	View/upload/ download documents and shipment details.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
7	LEO	View Let export order	Search and view details of LEO.	User can search LEO details by entering SB no. site no. and rotation no. Port, Customs, CFS, and Shipping agent use this page to view the Let Export Order (LEO) details status details.	View/download LEO copy notification.	Delivered			
8	Goods Arrival at Port	To view cargo arrival permission status details	User can search and view cargo arrival status and custom permission status	User can search details of cargo and arrival status by entering Shipping Bill (SB) number, container number and CHA details.	Notification on arrival of cargo and custom permission statutes.	Delivered			
9	Vessel Sailing Report	To view vessel sailing report and status	User can check status, report, and details of vessel sailing	Port authorities submit the details of vessel sailing to the Customs with the relevant documents for the vessel sailing report. The Customs verify and generate the vessel sailing	Notification on arrival of cargo. Notification on generation of vessel sailing report by customs. Tracking cargo.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				report and send it to the Port. User can search rotation no to view vessel sailing report.					
10	Consignm ent Arrival at Port	To view consignmen t arrival details and report	Search and view consignment arrive details and reports.	Port authorities submit the details of consignment arrival at port to the Customs with the relevant documents for the vessel sailing report. The Customs verify and generate the consignment arrival at port and send it to the port. User can search Site ID, rotation no, CFS code, gate pass number to view consignment arrived details	Notification on arrival of consignment. report download option. Tracking of cargo.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				and report.					
11	Landing/ Tally Report	Reports	Custom, port and shipping agent use this functionality to view Landing tally report and its acknowledgement status.	User can enter IGM Number, Site ID, Line no and Sub Line no to search for landing tally report.	Notification can be sent to CHA once the landing tally acknowledgement status is available.	Delivered			
				Report with all the landing tally will be available to view.		Delivered			
				On clicking view option, report will be displayed		Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				Landing Tally report can be viewed by CHA by entering CHA code, IGM number and Line and sub line no to check landing tally acknowledgement.		Delivered			
12	Excess Landed Cargo	Reports	Custom, Port and Shipping agent use this functionality to view excess landed cargo and its acknowledgement status.	User can enter IGM Number, Serial No and Custom House agent code to search for excess landed cargo report.	Notification can be sent to CHA once the excess landed cargo acknowledgement status is available.	Delivered			
				Report with all the excess landed cargo will be available to view.		Delivered			
				On clicking view option, report will be displayed.		Delivered			
				Excess landed cargo can be viewed by CHA by entering CHA code		Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				, IGM no and Sr. no to check excess landed cargo acknowledgement.					
13	Location of Cargo	Report	Custom, Port and Shipping agent use this functionality to view location of cargo and its acknowledgement status.	User can enter IGM Number and site ID to search for location of cargo report.	Notification can be sent to CHA once the location of cargo acknowledgement status is available.	Delivered			
				Report with all the location of cargo will be available to view.		Delivered			
				On clicking view option, report will be displayed.		Delivered			
				Landing Tally report can be viewed by CHA by entering CHA code, IGM no and Line and sub line number to check location of cargo acknowledgement.		Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
14	Cancellation of Rotation Number.	Request for Allotment/ Cancelation	Custom, Port and Shipping agent use this functionality to view allotment and cancelation of rotation number.	Shipping agent request custom for Allotment/ Cancelation of rotation number by giving valid reason.	Rotation allotment number and cancelation number can be shared by notifications to shipping agent, port, and customs.	Delivered			
				The Customs verify and generate the allotment/ cancellation of rotation number and send it to the Shipping Agents.		Delivered			
15	Grant of Entry Inward	Discharge of Container	Customs, port, and shipping agent use this page view the grant of entry inward status details.	Shipping agent/ Line submits relevant documents with complete manifest to the customs for the grant of entry inward approval.	Notification to can be shared for grant of entry inward request and approval to shipping agent and custodian.	Delivered			
				Customs verify and generate the Grant of entry inward based on the IGM number and send it to the		Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				Shipping Agents and Custodian.					
16	Cargo Movement Approval	View status of cargo movement approval	User can search and view current approval status for movement request.	SA/Importer submits relevant documents to the Customs for the cargo movement approval. Customs verify and generate the cargo movement approval and send it to the Shipping Agents. User can search for movement approval number to check details	Notification and alerts on approval by customs.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
17	Grant of Port Clearance	View Port Clearance status	To search and check port clearance approval statutes.	The Shipping Agent submits the application to the customs with the relevant documents to grant of port clearance. The customs verify and generate the grant of port clearance status and send it to the shipping agent. User will search Rotation number. Site ID, shipping agent code to view grant port clearance status and details.	Document download option for shipping agent. Notification and alerts on approval by customs.	Delivered			
18	Details of Shutout Cargo		Port, Customs, CFS, and Shipping agent use this page to view the Stuffing Report status.	The Port/CFS submits the details of container Shut out to the customs with the relevant documents for the stuffing report.	Notifications to the port, CFS, Customs for the request submitted and verified by the customs.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				Customs verify and generate the Shut-out report status and send it to the Port.		Delivered			
19	Stuffing Report	Container stuffing	Port, Customs, CFS, and Shipping agent use this page to view the stuffing report status.	The Port/CFS submits the details of container stuffing to the customs with the relevant documents for the stuffing report.	Notifications to the Port, CFS, customs for the request submitted and verified by the customs.	Delivered			
				Customs verify and generate the stuffing report status and send it to the Port.		Delivered			
20	Grant of Entry Outward	Loading of Container	Port, Customs, CFS, and shipping agent use this page to view the grant of entry outwards.	The Shipping agent submits the application for entry outward prior to loading to the customs with the relevant documents to grant of entry outwards.	Integration with the ICE GATE for fetching the data of grant of entry outwards.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
				The Customs verify and generate the grant of entry outwards status and send it to the Shipping Agent.		Delivered			
H	e-DO								
1	Delivery Order	Container Movement	This feature will enable Vessel Operating Agent (VOA) to Upload delivery order and port/terminal/importer/ exporter to view and download it.	Importer/Exporter will request for delivery order against container number on submission of original BL to shipping line/VOA and after payment of dues.	E-Delivery Order can be shared online.	Delivered			
				Shipping line/VOA will create and upload delivery order on the system.	Integrate with shipping line system to provide E-do related updates.	Delivered			
				Importer/exporter/ port/terminal will be able to see and download delivery order uploaded by shipping line.	File transfer integration with shipping line system to transfer E-do details in XML, FTP and E-mail FTP.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
I	Gate Appointment								
1	Gate-In Appointment Booking	Container Movement	This feature will enable CFS/exporter to create gate in appointment of its consignment to port/ terminal.	For, already gate open vessel, exporter/CFS will create request to port/terminal. for Gate In-Appointment of cargo/container to take into port/ terminal.	Appointment booking form can be given to exporter/CFS to create booking.	Delivered			
				Port/terminal will approve/reject or assign slot based on time available.	Terminal will view and perform action against each booking and will allocate time slot for each booking.	Delivered			
				Exporter will take cargo/container based on allocated time slots.	Notification will be given to port/ terminal and CFS/ exporter while creating gate-in appointment and approval of appointment.	Delivered			
2	Gate Open Cut off time	Vessel Operation	This feature will update Port user with gate cut- off time.	For already registered vessel gate cut-off time will be updated by port/terminal.	Gate cut-off notification can be shared to exporter/ CFS.	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
					For balance to be gate in container to be gated into Terminal of a registered vessel, notification can be shared while approaching gate cut-off time.	WIP	CONTPE message has been implemented.	Closed	
3	Delivery Gate Schedule	Vessel Operation	This feature will enable port/terminal to create delivery schedule of vessel container/Cargo.	Port/terminal will create delivery schedule for movement of cargo/container from Port/Terminal to CFS/Factory.	Delivery Schedule creation option for port/terminal.	Delivered			
					Notification can be shared to CFS/ Importer with delivery schedule.	Delivered			
4	Transport Order	Container Movement	This feature will enable importer/exporter to create and request for transport order of container from port to CFS and CFS to port.	Importer/exporter will request for Transport of Container from port/CFS to CFS/ port.	Importer/exporter can create transport order for movement of container from port/CFS to CFS port.	Delivered			
					Request reference number can be generated against	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
					each of the transport order.				
					Request will be assigned to mention Port/CFS in the transport order form.	Delivered			
					Notification will be shared to each of the involved users of transport order modules.	Delivered			
					Dashboard will be provided to check the pending and completed transport order request.	Delivered			
5	Pre-Gate	Vessel Operation	Port/terminal can use this feature for pre-gate activities.	Shipping line and CFS will generate pre-advise for factory Stuff and CFS stuff container.	Shipping line/CFS can enter the details of container against already registered vessel and gate open vessel.	Delivered			
					Pre-advise data will reflect in the Terminal Operating System (TOS) by integration with Terminal Operating System (TOS).	Delivered			

	Module	Feature	Functionality	Description	Value Add	Status	Remark	IPA Comments	Status as on 14-10-2020
6	Equipment Interchange Report	Container Operation	This feature will enable port user to view and download EIR copy of container.	EIR copy will be generated once the export container is received inside terminal and import container has been delivered till out gate.	Port user can view and download EIR copy once export container is inside port and Import container is at out gate for delivery.	Delivered			
					Option to retrieve EIR copy for a long period of time.	Delivered			
					Share EIR copy to mail of any person email id.	Delivered			

PCS 1x _ Features & functionalities

Annexure 1

Sr. No	Changes proposed by the Users – (Ports)	Status	Comments	IPA Remarks
1	Provision to enter PD shall be made using a menu option to Port Admin to enable Ports to update as and when any change happens in the PD account details, activate/ deactivate accounts.	Delivered	Port admin can update the PD account details under his login	OK
2	Multiple payment selection and payment thereafter in payment option During make payment, PCS to provide facility to make multiple payment in one go by selecting more than one bill number using check box and corresponding changes to PAYSTS message as applicable.	WIP	Awaiting approval from IPA for change in message structure. Impact on all finance related messages	This cannot be implemented due to issues at bank level as multiple PAYSTS cannot be issued for single transaction
3	Multiple line number and B/L required in assessment of cargo charges by moving Bill Number and line number fields from header part to details part and corresponding changes if any to any of the related messages	WIP	Awaiting approval from IPA for change in message structure. Impact on all finance related messages	This is being implemented at all the Major ports and a particular port requirement cannot be adhered as this will impact all Major ports as well as balance finance messages
4	Cargo code and shipping bill details in detail part of the assessment of stevedoring charges should be added	WIP	Awaiting approval from IPA for change in message structure. Impact on all finance related messages	Cargo code is available in this messgaes. This message is for import and export both, and therefore cannot be mentioned for Shipping Bill. This message is based on VCN Number

Sr. No	Changes proposed by the Users – (Ports)	Status	Comments	IPA Remarks
5	A new message with an XML upload facility shall be provided in PCS to file miscellaneous charges and based on values, port will prepare and upload CNFASC file	WIP	Awaiting approval from IPA for change in message structure. Impact on all finance related messages	New messages not required. Additional code has been provided for Miscellaneous charges.
6	Automatic issue /printing of NOC of the vessel by sending the data elements from Port to Agents	WIP	Awaiting approval from IPA for change in message structure.	A provision has been provided for PDF download of Vessel Profile Approval, VCN Allotment.
7	Provision for declaration of readiness or withdrawal of readiness to be filled in by user in berthing request Provision for declaration of multiple priorities in the berthing application and an option for withdrawal	WIP	Awaiting approval from IPA for change in message structure.	This is being taken up for implementation along with SCMTR.
8	Provision of screen to port, to see it all registered user details and export in excel format	Delivered	Functionality is available under port admin login	OK
9	Changing of Vessel Building Place from optional to mandatory and providing country code dropdown to fill these details	Delivered	Available in PCS 1x	OK
10	Pre-defined excel upload facility shall be provided so that user can upload crew/ passenger list easily	Delivered	Feature has been completed & provided.	OK
11	Provision should be made to enter the validity date of ISSC and class certificates to enable system to validate the dates	Delivered		OK
12	Port of destination shall be made optional in berth request since most of the vessels arriving for discharge may not have any fixed destination	NA	Dropped by IPA	OK
13	Description of Cargo and Quantity shall be made optional for passenger vessel in berthing request	NA	Dropped by IPA	OK

Sr. No	Changes proposed by the Users – (Ports)	Status	Comments	IPA Remarks
14	Keep the following two fields as mandatory in VESPRO "Vessel Building Place' & 'Date of keel laying' and add field "Make of Vessel'" mandatory	Delivered		OK
15	Provide option to Port Admin to update the stakeholder profile	Delivered		OK
16	Once Stakeholder is approved, PCS should not allow stakeholder to login once his IE registration is expired	Delivered	Validation incorporated to check IE validated with current date, If the date has expired user will not be allowed to log in with appropriate message given to user on screen. The authenticity of validation can be ascertain with API integration with DGFT is completed.	OK
17	While submitting the assessment of cargo charges [REQCAC] user should get a LOV to select the BL number after entering the IGM number. Accordingly, the respective IGM line number & Sub-line number should be displayed in the REQCAC screen	WIP	Awaiting approval from IPA for change in message structure.	LOV has been provided
18	Weight of all cargo should be allowed up to three decimal places.	Delivered	This feature has been provided	OK
19	Shortfall payment facility should be available. Port should be allowed to upload the short fall bill (s) into PCS for payment by agent.	NA	Dropped by IPA	OK
20	There should be provision in PCS for the ports to refund the amounts automatically to users when users paid excess	NA	Dropped by IPA	OK

Sr. No	Changes proposed by the Users – (Ports)	Status	Comments	IPA Remarks
21	VCN link with IGM no or rotation number should be available with port and all other stake holder	Delivered		OK
22	Re transmission of any message should be directly on the port request through some utility A provision wherein Port can download the messages directly for PCS & ICEGATE for the ones which are missing at their end. Like VESPRO, CALINF, PAYSTS etc by entering some keywords / details	Delivered	Considering all stakeholders moving to API, resend mechanism has been deployed which will enable transmission of all messages which may have failed due to various issues.	OK
23	A Provision should be made for Ship Chandlers to register online and access assessment of charges for cargo request and e-payment	Delivered	Ship Chandlers can register through PCS 1x	OK

Annexure 2

Sr. No.	Changes proposed by the Users – (Ports)	Status	Comments
1	2 Face Authentication	Delivered	As per discussion with IPA, two way Authentication has already been incorporated 1) Password. 2) Captcha
2	Provision for VGM exchange	Delivered	The same will be provided as "Latch on" For this functionality, Shipping Line/ Shipping Agents will be able to generate and submit Form 13 from the application which is connected with the e-VGM for the weighment details and Truck details for reducing the activity of Pre-Advice to the terminal/ Port. This information will directly pass on to the Terminal / Port operating system to update the details of Export container and the trailer details carrying the same container for the seamless gate operation at Terminal/ Port. 2 Latch ons with regards to VGM -- JMB Technologies is live and integration with MMD3 is in progress. For MMD3, PCS 1x has developed message (VERMAS) as API for receiving the information and for further transmission to Shipping Lines.
3	B2B information exchange:	Delivered	Shipping Agent to Importer/Exporter & Vice Versa Importer/Exporter to CHA Stake Holder to Bank & Vice Versa The same may be used to add new features to PCS with below activity information: 1. Container Booking related information. 2. Container Tracking 3. Ocean Schedules 4. Shipping Instructions 5. e-B/L 6. e-VGM 7. e-DO 8. E-Payment & payment information exchange Integration with INTTRA was completed, however due to challenges from INTTRA side, the same had to be

Sr. No.	Changes proposed by the Users – (Ports)	Status	Comments
			discontinued. Replacement service provider is being explored.
4	Delivery Order	Delivered	CHA/ Import will login to platform and select E-Delivery order option to enter BL Number. In case of the E-DO is not available, Shipping line will be notified with the customers request In case the E-DO data is available system will generate E-DO for the BL no. entered with the standard PDF format. Shipping line has to pass the E-DO data in defined format (XML, XLS,EDI etc.) to PCS for creation of E-DO through PCS for the E-DO's generated in lines system for the respective BL No. wise. This will help in the standardization of E-DO process across the industry. API development has been completed for sharing of Delivery Order as well as direct integration with Shipping Lines, Ports and CFS has been completed for sharing the same.
5	Release Order	Delivered	Provision has been provided
6	Storing Order	Delivered	Provision has been provided
7	Trucking Order	N/A	Will come under Vehicle Booking System. Please refer to this office letter numbers PIPL/IPA/PCS/1x/251-2020 dated 24th February 2020, PIPL/IPA/PCS/1x/129-2019 dated 4th March 2019

Sr. No.	Changes proposed by the Users – (Ports)	Status	Comments
8	Shipping Instructions	Delivered	Delivered
9	Invoicing	Delivered	MbPT and JNPT are using the invoice messages functionality to share the invoice with stakeholders. The same is also deployed on API B2B encrypted invoice functionality is also available in PCS for sharing the invoice in secure manner.
10	Payments using various payment options like IMPS/BHIM/Wallets/ NEFT/RTGS etc.	Delivered	Payment options are available to pay through payment gateway, RTGS, NEFT, IMPS and BHIM option available for payment to ports
11	Mobile App for tracking the container and Vessel movement	Delivered	Mobile application delivered, Integration with LDB has been completed for container tracking. API integration for Vessel and Container is under approval from IPA.
12	Mobile App – Dashboard for users	Delivered	Mobile application and Dashboard for stakeholders has been delivered
13	CFS Operators & their interactions with their immediate stakeholders.	Delivered	17 CFSs are live with API
14	Terminal Operators & their interactions with their immediate stakeholders	Delivered	Functionality has been delivered in the PCS 1x application for stakeholders of terminal to view live berthing schedule, document upload and special service request

Value Adds

Sr. No	Value Add's	Status	Description	IPA Remarks
1	Integration with DGFT	WIP	API integration with DGFT for IE Code authentication is in progress	Ok
2	IE Code based registration Process for Stakeholders	WIP	Same will be taken-up for registration post integration with DGFT	Same as above
3	Addhar Linking	Not Applicable	This integration facility is available for individual resident AADHAR and not institutional users. Hence, integration was not done	OK
4	PAN (Registration)	Not Delivered	Linking PAN details will be helpful to auto fill User/company details during registration on PCS. Duplication of entry of name of Importer/ Exporter can be avoided.	IPA to provide details of agency / authority to take up on PAN details verification process.
5	Automatic issue /printing of NOC of the vessel by sending the data elements from Port to Agents.	N/A	Awaiting approval from IPA on message structure as per Annexure 1	A provision has been provided for PDF download of Vessel Profile Approval, VCN Allotment.
6	Pilot Application on Handheld device	N/A	Pilots may be provided with a handheld device, where Pilots can make online entries for real time updates	No port came forward with request for any handheld connectivity for Pilot and also learnt due to poor connectivity at pilot station and no connectivity at anchorage, this functionality cannot be implemented.
7	Auto Fill & Auto Population	Delivered	Integration with International Maritime Organization web through webservices will enable PCS to auto populate 80% of the fields just by entering IMO number. As the vessel related details are available with IMO. Auto fill and auto polulation of data based on selection of IMO number or VCN number has been incorporated	OK
8	Payment Gateway	Delivered	Payment gateway has been integrated at many ports	OK

Sr. No	Value Add's	Status	Description	IPA Remarks
9	Payment Tracking and Mapping	Delivered	User are able to check the status of payment being made	OK
10	E-payments through Payment Gateway for port related payments &B2B payments is under development.	Delivered	Payment gateway has been integrated at many ports, Under e-do encryption module stakeholder can pay via Payment Gateway for B2B transactions	OK
11	Role Based Access	Delivered	PCS 1x has developed the role and rule based functionality for the stakeholder to access relevant pages	OK
12	Notification Engine	Delivered	Notifications are being shared to stakeholders via Mail, Messages and In-app	OK
13	Mobile App	Delivered	Mobile application and Dashboard for stakeholders has been delivered	OK
14	QR Code readiness	Delivered	Functionality has been developed to read QR code	OK
15	EDI Enhancement	Delivered	One to many EDI message enhancement Splitting EDI messages to sent to relevant stakeholders	OK
16	Provision for Latch On	Delivered	In PCS 1x API is integrated with different system.	OK
17	API as Value Add	Delivered	API has been developed and delivered for stakeholder to use for live transaction of data, same is available on the API Development portal	OK
18	CFS Module	Delivered	Functionality has been delivered in the PCS 1x application, WIP for the API integration with CFS operating system	OK
19	Terminal Module	Delivered	Functionality has been delivered in the PCS 1x application for stakeholders of terminal to view live berthing schedule, document upload and special service request	OK
20	EDO	Delivered	EDO functioanlity is being utilised in PCS 1x	OK
21	IGM Data Check for the EDO	Delivered	IGM data is being utlised in EDO functionality of PCS 1x, Data is getting	OK

Sr. No	Value Add's	Status	Description	IPA Remarks
			auto-populate based on IGM and BL number in EDO	
22	IGM Segregation and submission to respective Stakeholders	Delivered	IGM details is being segregated into small parts and only the relevant information is being shared to different stakeholders like CFS shipping line, Shipping agent, terminal to further utilize the details.	OK
23	Integration with INTTRA	Delivered	Functionality is avaibale in PCS 1x for stakeholder to use platfomr for booking of container. Following services are available for booking 1. Container Booking related information. 2. Container Tracking. 3. Shipping Instructions 4. e-B/L	OK
24	Issue Logging / ticketing System	Delivered	OTRS system is already in place and issues are being logged in to it by PCS 1x stakeholders	OK
25	Time Management Sheet for the Message Exchange	Delivered	Notifications are shared to relevant stakeholders based on the time and priority set by IPA	OK
26	Digital Training	Delivered	Self-explanatory videos with sub-title, digital manuals, screen with virtual tools are available on PCS 1x platform for self help	OK
27	Seamless translation of messages from one format to another	Delivered	Custom messages are received by PCS 1x in XML format, same is being shared in text format with text-based Ports	OK
28	E-Payment of Port Services and integration of bank related messages. Currently PCS integrates with 14 banks directly.	Delivered	Banks and payment gateways are integrated with PCS 1x for online payments	OK

Sr. No	Value Add's	Status	Description	IPA Remarks
29	Web services integration	Delivered	In addition to Web service integration, system can be integrated with SFTP and E-mail integrations through ESB	OK
30	Status information related to vessel, berthing etc.	Delivered	Online berthing scheduled for at berthed vessel, expected and sailed vessel with tide table and weather forecast. In addition, platform will provide notification to each stakeholder for each activities and real time load/discharge and gate-in/gate-out summary.	OK
31	Portal & Administrative services	Delivered	Stakeholder can manage their Password protection, expiry, OTP validation, Email change	OK
32	Alerts to the stakeholders using SMS & emails	Delivered	Notifications are in-place for transaction being completed on PCS 1x	OK
33	Dashboard with important KPIs for port officers and Ministry	Delivered	Different dashboard for different stakeholders is live no PCS 1x	OK
34	Dashboard & Document tracker facility for the users.	Delivered	Dashboard and tracking facility for user and stakeholder with two-way notification. Trackers are action oriented where the actions of user and stakeholder are shown with different UI	OK
35	Port Operation dash board (ERP)	Delivered	Port operation dashboard has been delivered and is live	OK
36	Documentation (Upload / Download)	Delivered	COPRAR upload, Invoice upload, Vessel documents upload, Passenger Crew list and more document upload is available in PCS 1x	OK
37	Container Tracking	Delivered	Integration with LDB is live for Container Tracking	OK
38	Container Inventory	Delivered	Functionality is available in PCS 1x to share container inventory by terminal, CFS to stakeholders	OK
39	Gate Transaction	Delivered	This feature provides detailed information about Terminal/ Port	OK

Sr. No	Value Add's	Status	Description	IPA Remarks
			Gate in and Gate Out operation with vessel wise or CFS wise details.	

PCS 1x to 2.0 Committee Report

Sr. No	Committee recommendation	Status
1	A legal framework needs to be explored under various laws governing maritime trade stakeholders so that they can be mandated to carryout transactions through PCS 1x.	Delivered
2	As customs has already initiated the process of upgrading ICEGATE for real time data exchange via API based architecture, a pilot project at Vizag port to be done to test the API based transaction between PCS 1x and ICEGATE.	Delivered
3	PCS Team to work with Single Window team to integrate all PGAs with SWIFT and integrate only SWIFT with PCS 1xso as to achieve a true single window	-
4	Since PCS 1x platform has the right framework to use real-time API integration, all Ports & other Stakeholders shall make necessary technological changes at their end to enable real time information exchange with PCS, as per the change management documents to be prepared by the developer.	Delivered
5	PCS 1x to onboard all maritime stakeholders such as major, non-major ports , CFS & ICDs etc. so that end-to-end trade transaction can take place on PCS 1x platform itself	Delivered
6	Since the open architecture of PCS 1x provides the capacity and flexibility to offer various functionality and services to trade through the latch on, customs to consider PCS 1x as a nodal platform to deal with all maritime stakeholders for the exchange of messages with ICEGATE.	Delivered
7	PCS 1x shall have the ability to latch on various modules such as e-VGM, e-Seal, e-Waybill, e-Payment, e-Invoicing ,Customs clearance, Warehousing, etc. if not provided in the PCS 1x itself.	Delivered
8	IPA to ensure that following functional modules are included in PCS 1x by the developer either through development or through the latch on with other platforms/software at no additional cost to IPA, which was committed by developer of PCS 1x during the meeting.	
a	Transportation - Part of PCS 1x	Delivered
b	Booking (cargo, containers, vessel slot) - Latch On	Delivered
c	Marketplace for goods and services (marine services) – to be taken up in association with National Trade Portal	Not Applicable
d	Multimodal shipments - Railways (Container Train Operations; General Cargo Booking); Coastal/ Inland waterways- Latch On	Delivered
e	Dues collections (single point of collection of dues) – Part of PCS 1x as aggregator payment gateway.	Delivered

Sr. No	Committee recommendation	Status
f	International Linkages with Lines, Maritime registers etc. – Latch On	Delivered
g	Track and trace facility(end-to-end) – Part of PCS 1x	Delivered

IPA - Master Table List

Sr.No.	Name of Table	Used For (Description)
1	TPCS_CODE_MASTER	Master table contain many **Key1** value which we are treating as Master
2	HOOK_OERATION_TYPES	Hook Operation Type for VESSEL Module
3	HATCH_COVER_TYPE	Used in Vessel Module for the different types of Hatch Cover
4	ACK_ERR_CODE	Error Handling Code during various Transaction messages : AGDORD, BERMAN, CALINF, CARREQ, COPRAN, COSTOR, IFTDGN, JOBORD, MATREC, REQCAC, REQCOC, REQCTC, REQSAC, REQVAC, RESREQ, RLOENT, STOPLN
5	AGENCY_CAC_QUALIFIER_CODE	Agency Qualifier Code for REQCAC transaction
6	AGENCY_COC_QUALIFIER_CODE	Agency Qualifier Code for REQCOC transaction
7	AGENCY_CTC_QUALIFIER_CODE	Agency Qualifier Code for REQCTC transaction
8	AGENCY_VAC_QUALIFIER_CODE	Agency Qualifier Code for REQVAC transaction
9	AGENCYTYPE_QUALIFIER_CODE	Agency Qualifier Type Code List Used in REQSAC
10	BERTH_CODE	Berth Code Master is maintained for each Port wise berth codes used in VESSEL Module
11	BERTH_TYPE	Berth Type Master is maintained for each Port used in VESSEL Module
12	COUNTRY_CODE	Country Code Master is for the list of Countries for VESSEL Module
13	EQUIPMENT_STATUS_CODE	Equipment Status Code List for Vessel Module
14	EQUIPMENT_TYPES	Equipment Types Types List Master for VESSEL Module
15	IE_CODE	Import Export Code List Master for VESSEL Module - Type of Stakeholders
16	DELIVERY_MODE	Delivery Mode List Master for CODECO Transaction
17	NATURE_OF_CARGO	Nature Of Cargo List for VESSEL Module
18	PACKAGE_TYPE	Package Type Type List Master : Used for CLPMSG, IFTDGN, STPCGO, Rail Receipt, Assesment Charges
19	PAYMENT_MODE	Payment Mode List Master : Used for Assesment Service REQVAC, REQCAC, REQCTC, REQCOC, REQSAC, BERMAN, PAYORD
20	SERVICE_CATEGORY_PORTWISE	Service Category details Portwise List - Used in PD Account Transaction.
21	SHIFT_NUMBER	Shift Number List Master : Used for RESREQ, TPFREQ , ALORES, TPFREP, Assesment Service, Container Load Plan
22	TO_DOCK_CODE	Dock Code List : Used for COARRI, COPRAR, REFORD, VESARR, COPRAR, Assesment Service, Voyage related transaction

Sr.No.	Name of Table	Used For (Description)
23	VOYAGE_TYPE	Voyage Type List Master - For VOYAGE Module
24	VESSEL_TYPE	Vessel Type List Master for VESSEL Module
25	VESSEL_STATUS	Vessel Status List for VESSEL Module
26	UOM_OF_EQUIPMENT	Unit of Measurement Code for Equipment List. - VOYAGE Module
27	UNIT_OF_QUANTITY	Unit Of Quantity List - For Voyage Module
28	SUB_SERVICE_TYPE	Sub Service Type List used for various Assesment Service - REQCAC,REQCTC,REQVAC,REQSAC,CNFASC,INOVICE
29	STAKEHOLDER_STATUS_CODE	stakeholders Status Code Used for New stakeholders Registration Module
30	SPECIFIC_SIDE	Specific Side List Master used in BERMAN
31	PURPOSE_OF_VISIT	Purpose Of Visit List used for VOYAGE related transaction
32	PILOT_BOARDING_PLACE	Pilot Boarding Place list Master used for Pilot Memo Transaction
33	VESSEL_MOV_FROM_TO	Vessel Movement from From and To Used for Pilot Memo
34	UNIT_OF_TEMP	Unit Of Temperature List Used for STOPLN,BAPLIE, COPINO,MOVINS,RMLMEM,STOWAGE PLAN.
35	UNIMDG_CODE	International Maritime Dangerous Goods List used for Voyage related transaction.
36	TYPE_OF_ILLNESS	Type of Illness used for REQFPQ.
37	TEMPERATURE_UNIT	Temperature Unit Master used for COHAOR, COPRAR. - Container Module
38	TDS_TO_BE_DEDUCT	Tax Deduction at Source Master for Assesment Service
39	SERVICE_TYPE	Service Type List used for various Assesment Service - REQCAC, REQCTC, REQVAC, REQSAC, CNFASC, INOVICE
40	SERVICE_CATEGORY	Service Category List used for various Assesment Service - REQCAC, REQCTC, REQVAC, REQSAC, CNFASC, INOVICE
41	PURPOSE_OF_GANG	Resource Requisition details list used for RESREQ, ALORES
42	PLACE_OF_DEPLOYMENT	Type of Deployment list used for RESREQ, ALORES
43	PAYMENT_MODES	Payment Mode List Master used for Assesment Service
44	PATH	Path defined for INBOUND, OUTBOUND Master

Sr.No.	Name of Table	Used For (Description)
45	OPERATION_TYPE	Operation Type List Master used for ACKPLM, CALINF, COSTOR, CNFASC, VESSEL Module, Voyage Module Transaction.
46	OCTROI	Octroi Flag - Yes/No
47	NATURE_OF_SHIP_OPERATION	Nature Of Ship Operation List used for VOYAGE Transaction
48	MODE_OF_OPERATION_REQCAC	Mode of Option for REQCAC Transaction
49	MODE_OF_OPERATION	Mode of Operation used for Assesment Service
50	MLO_CLASS	MLO Code Master used IGTDG, Dangerous Goods , Assesment Transaction
51	ISO_CODE_CONTAINER	ISO Code Container List : Container Module
52	IMO_CLASS	IMO CLASS List for VESSEL Module
53	IMDG_CODE	International Maritime Dangerous Goods List used for Voyage related transaction.
54	DISPOSAL_ARRIVAL_CODES	Disposal Arrival Code list used for Container Module
55	DANGEROUS_CARGO_TYPE	Danger Cargo Type List used for Container
56	CRANE_DEPLOYMENT_TYPES	Crane Deployment Types List - Container Module
57	CONTAINER_TYPE	Container Type List Master Used in Container Module
58	CONTAINER_SEAL_STATUS	Container Seal Status used for Container Module
59	CARGO_TRADE	Cargo Trade List used for Container
60	CARGO_TYPE	Cargo Trade List used for Container
61	PCSADM.PADM_Role_Master	stakeholders Role Master - Registration
62	PCSADM.PADM_Port_Master	Port Master
63	PCSADM.PADM_Access_Master	Menu/Page Access Master List
64	PCSADM.PADM_MenuMaster	Menu Master List
65	PCSADM.PADM_Page_Master	Page Master List
66	PCSADM.PADM_Application_Master	Application Master List
67	PCSADM.PADM_ADMINAPP_USER	Application Admin Master List
68	XX_TPCS_SVCID_MASTER	Message Wise Custodian Wise Service Details Master
69	XX_TPCS_LOV_MASTER	Master table contain many **Key1** value which we are treating as Master - This master code not used by CL.
70	XX_TPCS_DOC_MASTER	EDI Message Master List with MSG Type and Description
71	TPCS_MESSAGE_MASTER	MESSAGE MASTER Table used to stored exchange of message information
72	TPCS_STKHOL_MASTER	stakeholders Registration related master - Agency Code information stored.
73	PIPL_TPCS_Tracker_Master	Vessels Tracker Master
74	PCSADM.PADM_User	User Master

Sr.No.	Name of Table	Used For (Description)
75	IPAOWNER.XX_TPCS_BANK_PORT_KEYMAP	Port Wise API Key Code List
76	IPAOWNER.TPCS_USER_EPAYMENT_DETAILS	Bank Wise Service Category List
77	IPAOWNER.TPCS_EPAYMENT_BANK_DETAILS	Bank Master
78	IPAOWNER.TPCS_REQ_ASSMT_SERVICECATEGORY	Port Wise Assesment Service Code List - Used in Assesment Service type of Transaction - REQ***.
79	IPAOWNER.PIPL_NOTIFICATION_MASTER	Message wise Logical Description List
80	IPAOWNER.TPCS_CFS	CFS Header Master
81	IPAOWNER.TPCS_CFS_DETAIL	CFS Details Master
82	IPAOWNER.TPCS_MAPS_ADMIN	Message Wise Sender and Receiver Details Defined
83	IPAOWNER.TPCS_NODAL_EMAIL_MST	Port wise Nodal Officer Details Maintain
84	IPAOWNER.TPCS_PORT	Indian Port Master
85	IPAOWNER.TPCS_PORT_CODE	World Wide Port Master Details
86	IPAOWNER.XX_TPCS_BANK_URL	Bank wise URL details Master
87	IPAOWNER.XX_TPCS_CFS_DTL	CFS Details Master
88	IPAOWNER.XX_TPCS_CFS_HDR	CFS Header Master
89	IPAOWNER.XX_TPCS_CHA_DETAIL	CHA Master - Header
90	IPAOWNER.XX_TPCS_CHA_SUB_DETAIL	CHA Details Master
91	IPAOWNER.XX_TPCS_DOC_PORT_MAP	Port wise FTP Path and User Master
92	IPAOWNER.XX_TPCS_DOC_URL_LOG	EDI Message wise URL details Master
93	IPAOWNER.XX_TPCS_ICD_DTL	ICD Details Master
94	IPAOWNER.XX_TPCS_ICD_HDR	ICD Header Master
95	IPAOWNER.XX_TPCS_TERMINAL_DTL	Terminal Details Master
96	IPAOWNER.TPCS_TERMINAL	Terminal Header Master
97	PCSADM.PADM_SERVICES	API Link Master - Train Schedule and Inland Waybill - Link
98	PADM_Port_Master	Port Master for PCSADM
99	NCMSOWNER.TCMS_ACCOUNT	Account Master - Used for User Creation
100	NCMSOWNER.TCMS_SUBSCRIBER	User Account and Userid defined in this Master
101	NCMSOWNER.TCMS_ORGANIZATION	Organization Master Table
102	NCMSOWNER.TCMS_CORPORATE	Corporate Master table

Message Utilisation

S. No.	Functionality	Message name	Message From	Message To	EDI	Outcome	Consumed/Generated	Mumbai	Kolkata	Cochin	Ennore	Haldia	Kandla	Nhava Sheva	Chennai	Goa	New Mangalore	Paradip	Tuticorin	Vizag
1	Vessel Profile declaration	Vessel Profile	Port	SA	VESPRO	This feature will enable the Vessel Agent to register their vessel to the respective Port. For Port Authority it provides governance and monitoring power on sea ways business and interdict unauthorised activities.	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Voyage Registration	Voyage Registration	SA	Port	CALINF	This Feature will enable the Vessel Agent to register the Voyage for the registered Vessel. It provide Port operation team to govern and collect the necessary charges and allot a unique number for the Voyage.	Generated	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Voyage Registration	Allotment of VCN	Port	SA	CALINV	This feature will enable Port/Terminal to allocate VCN for the new voyage request of user (Shipping line/Importer/Exporter).	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	Berthing	Berth Management	SA	Port	BERMAN	This feature will enable Port user to manage the Berth allocation.	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
5	Berthing	Berth Allotment	Port	SA	BERALT	This feature will enable Port/Terminal to receive application for berth allocation and to allocate resource	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
6	Pre-arrival information	Passengers/Crew List	SA	Port	PAXLST	This feature will enable Shipping Agent/Line to share Passenger/Crew List with Immigration/Custom	Generated	✗	✗	✗	✗	✓	✓	✗	✗	✓	✗	✗	✗	✗
7	Pre-arrival information	Stowage Plan	SA	Port	STOPLN	This feature will enable shipping line to exchange stowage plan with Port/Terminal	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
8	Pre-arrival information	Bay Plan	SA	Port	BAPLIE	This feature will enable shipping line to exchange bay plan with Port/Terminal for specific vessel	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
9	Pre-arrival information	Vessel Arrival	Port	SA	VESARR	This feature enables the port to share information with regards to actual time of arrival of the vessel	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✓
10	Berthing	Dangerous Goods Notification	SA	Port	IFTDGN	This feature will enable shipping line to exchange Dangerous Goods Notification with Port/Terminal for specific vessel	Generated	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✓
11	Berthing	Dangerous Goods Notification Acknowledgement	Port	SA	DGNACK	This feature will enable Port accept and acknowledge Dangerous Goods Notification which shipping agent has submitted to Port/Terminal for specific vessel	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
12	Berthing	Requisition of Resources	SA	Port	RESREQ	This feature will enable port user to request to Port for resources requisition	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
13	Berthing	Allotment of resources	Port	SA	ALORES	This feature will enable Port to acknowledge and allocate resources based on request of Port Users	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
14	Berthing	Re-Berthing	SA	Port	UNBERT	This feature enables the Shipping Agent to send a request to the Port for Unberthing, Re-berthing or shifting of the vessel.	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗
15	Vessel Report	Vessel Movement	Port, Terminal	SA	VESDEP	This feature will enable port user to request for vessel movement from one berth to another berth of already berth vessel	Consumed	✓	✗	✗	✓	✗	✗	✓	✗	✓	✗	✓	✗	✗
16	Vessel Report	Terminal Performance Report	Port, Terminal	SA	TPFREP	This feature will enable Port/Terminal to monitor its performance through different parameters and to share teminral performance report	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
17	Berthing	Pilot Memo Application	SA	Port	PLTMEM	This feature will enable Port to create Pilot booking based on the berthing request of Vessel agent	Generated	✓	✗	✗	✓	✗	✓	✓	✗	✓	✗	✓	✗	✗
18	Berthing	Pilot Memo Acknowledgment	Port	SA	ACKPLM	This feature will enable Port to acknowledge Pilot booking request based on availability of pilot and request time for pilot booking	Consumed	✗	✗	✗	✗	✗	✗	✓	✗	✓	✗	✓	✗	✗
19	Pre-arrival information	Pre-arrival notification	SA	Port	PAISPS	This feature will enable vessel agent to intimate port about arrival of vessel with all the required information by port	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗
20	Berthing	Expected time of Arrival	SA	Port	ETAETD	This feature will intimate Port with expected time of arrival of vessel by vessel agent	Generated	✗	✗	✗	✗	✗	✗	✓	✗	✓	✗	✓	✗	✗
21	Berthing	Expected time of Arrival Acknowledgment	Port	SA	ACKTAD	This feature will utilized for Port to acknowledge expected time of arrival of vessel.	Consumed	✗	✓	✗	✗	✗	✗	✓	✗	✓	✗	✓	✗	✗
22	Berthing	Stowage plan for Cargo	SA	Port	STPCGO	This feature will enable shipping line to exchange stowage plan with Port/Terminal	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
23	MMD Inspection Report	MMD Inspection Report	MMD	Customs, Port, SA, SL	MMDINP	This feature will enable MMD department to share inspection report with Port and Shipping agent	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
24	MMD Vessel Detention Order	MMD Vessel Detention Order	MMD	Customs, Port, SA, SL	MMDVDO	This feature will enable MMD department to share detention order with Shipping agent and Port	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
25	MMD Vessel Release Order	MMD Vessel Release Order	MMD	Customs, Port, SA, SL	MMDVRO	This feature will enable MMD department to share release order with Shipping agent and Port	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
26	Health Declaration for sail out	Health Declaration for sail out	SA/SL	PHO	HLTDLR	This feature will enable Shipping agent to share health declaration report for sail out	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
27	Inspection Certificate	Inspection Certificate	PHO	SL/SA, Port, Customs	INSCER	This feature will enable PHO to share health inspection certificate with Port and Shipping agent	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
28	Request for free Pratique	Request for free Pratique	SA/SL	PHO	REQFPQ	This feature will enable Ship Agent to request for Pratique to Port/Terminal	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
29	Request for permission	Request for permission	PHO	SL/SA, Port, Customs	FREPRQ	This feature will enable Ship agent for Permission to enter	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
30	Delivery order for cargo release	Agent Delivery Order	SA	Port	AGDORD	This feature will enable VOA to Upload Delivery order and Port/Terminal/Importer/Exporter to view and download it	Generated	✓	✗	✗	✓	✗	✓	✓	✗	✓	✗	✓	✗	✓
31	Cargo Entry	Application for Log Entry	Importer, CHA	Port, CFS	RLOENT	Apply for log entry in case the cargo is short landed or excess landed	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
32	Cargo Entry	Grant of Log Entry	Port, CFS	CHA, SL, SA	GLOENT	This feature will enable Port to submit grant of log entry	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
33	Container loading and discharge	Container Loading and discharge Order / Adv. Container List	SA	Port	COPRAR	This feature will allow, vessel agent to submit Export and Import advance list to Port	Generated	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
34	Container loading and discharge	Container Loading	Port	SA	COARRI	This feature will allow vessel agent to view and terminal to data entry container loading list	Consumed	✓	✓	✓	✗	✗	✗	✓	✓	✗	✓	✗	✗	✓
35	Container Stuffing	Container Stuffing	SA	Port	COSTOR	This feature will enable Port, Importer/Exporter to view container stuffing details	Generated	✗	✗	✓	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗
36	Container loading and discharge	Container Load Plan	SA	Port	CLPMSG	This feature will enable Port, Importer/Exporter to view and download container load plan	Generated	✗	✗	✓	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗
37	Container Stuffing	Container Special handling order	SA	Port	COHAOR	This feature will enable port user to ask for different special handling services (SSR)	Generated	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
38	Container Stuffing	Container Stuffing / De-stuffing report	Port	SA	COSTCO	This feature will enable Port, Importer/Exporter to view container stuffing/De-stuffing report	Consumed	✗	✗	✓	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗
39	Container Gate/In Out report	Container/Cargo Gate-in Gate-Out Report	Port	SA	CODECO	This feature will enable Port and Port users generate gate-In and gate-out report for Container and Cargo based on time	Consumed	✓	✗	✓	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗
40	Container Gate/In Out report	Equipment Interchange Report	Port	SA	EICREP	This feature will enable Port user to view and download EIR copy of container	Consumed	✗	✗	✓	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗
41	Container Gate/In Out report	Empty Container Release Order	SA	Port	COPARN	This feature will enable Vessel agent to upload empty container release order	Generated	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
42	Container Gate/In Out report	Container Stock Report	Port	SA	COEDOR	This feature will share container stock report at Port/Terminal, CFS and empty yard	Consumed	✗	✗	✓	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗
43	Container Stuffing	Request for Carting Permission	SA	Port	CARREQ	This feature will enable CFS/Port to give Carting permission online	Generated	✓	✗	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗	✗
44	Container Stuffing	Confirmation of Carting	Port	SA	CARCFN	This feature will enable CFS/Port to give confirmation on Carting permission online	Consumed	✓	✗	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗	✗
45	Container Gate/In Out report	Job Order	CFS	Port	JOBORD	This feature will enable Port/Terminal to download Job order of already berthed vessel uploaded by vessel agent	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
46	Rail Movement	In land Way bill	CONCOR	Port	COPINO	Railway/CONCOR uses this message to provide the advance list of wagons/containers expected at the port from different in-land container depot (ICD).	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
47	Rail Movement	Rail Receipt	CONCOR	Port	RAILRE	Container Train Operator uses this message to inform the port authorities and stake holders about the cargo expected at the port via rail	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
48	Rail Movement	Removal Memo from Rake	Port	CONCOR	RMLMEM	Port authorities use this message to inform the Container Train Operators /Shipping agent about the placement of container on the rake and removal memo from rake.	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
49	Container Gate/In Out report	Pendency of Containers	Port	CONCOR	CONTPE	Port authorities use this message to inform the Container Train Operator/SA about the Pendency of container with respect to the destination/ICD/ CFS location in the port.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
50	Rail Movement	Train Schedule	CONCOR	PCS	RAILSC	Container Corporation (CONCOR)/ Rail operator uses this message to inform the stakeholders and the port about the train schedules.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
51	Assessment of Charges	Request for Assessment of Charges- Containerized Cargo	SA	Port	REQCOC	Shipping line/shipping agents use this message for issuing the instruction to the port for estimating the advance charges for vessel and executing the payment.	Generated	✓	✗	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗
52	Assessment of Charges	Request for Assessment of Charges-Cargo	SA, Stevedore	Port	REQCAC	Shipping line/shipping agents use this message for issuing the instruction to the port for estimating the advance charges for cargo and executing the payment.	Generated	✓	✗	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗
53	Assessment of Charges	Request for Assessment of Charges-Vessel	SA	Port	REQVAC	This feature will enable Shipping line/shipping agents use this message for issuing the instruction to the port for estimating the advance charges for vessel and executing the payment.	Generated	✓	✗	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗
54	Assessment of Charges	Request for Assessment of Charges- Container	SA	Port	REQCTC	Shipping line/shipping agents use this message for issuing the instruction to the port for estimating the advance charges for vessel and executing the payment.	Generated	✓	✗	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗
55	Assessment of Charges	Request for Assessment of Charges- Stevedoring	SA	Port	REQSAC	This feature will enable Shipping line/shipping agents use this message for issuing the instruction to the port for estimating the advance charges for stevedoring related charges.	Generated	✓	✗	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗
56	Assessment of Charges	Confirmation Advance Assessment of charges	Port	SA	CNFASC	This feature will enable Port/Terminal will use this message for issuing the instruction to the shipping line/agent for conformation of advance charges for vessel.	Consumed	✓	✗	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗
57	Account Balance Details	PD Account Balance details	Port	SA, Importer,CHA	PDABAL	Port will send PD Account Balance details to the individual Stakeholder as and when some transaction is executing. In case of Shortfall Intimation Message will be forwarded by the Port informing the stakeholder regarding the shortfall of funds in the PD account of the agent for adjustment against the bill.	Consumed	✗	✗	✗	✗	✗	✗	✓	✗	✓	✗	✗	✗	✗
58	Online Payments	Invoice	Port	SA	INVOIC	Invoice (Post-Paid Bill) will be generated after completion of the services for a given vessel for specific VIA/VCN. The invoice is treated as a final settlement account for that voyage. The message is used for informing assessed value of service which inc	Consumed	✗	✗	✗	✗	✗	✗	✓	✗	✓	✗	✗	✗	✗
59	Online Payments	Refund Order	Port, Bank	Bank, Port	REFORD	This message can be helpful to Port customers to request for Refund for any wrongly paid changes.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗
60	Online Payments	Pay Order	Port	SA	PAYORD	After Port receives the REFORD message from the Bank, Port generates the PAYORD message to inform to the agent about the amount they have refunded against a particular bill number.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗
61	Online Payments	Daily Transaction Summary	Bank	Port	DLYSUM	This message is used to inform the Port about the details of transaction such as credit/Debit performed on their account on that day.	Generated	✓	✗	✓	✗	✗	✗	✓	✗	✓	✗	✗	✗	✓
62	Customs	IGM On Submission/Inward Entry	Customs	Port, Terminal, SA	CHPOI03	User can search IGM/Inward entry number to view the status and other details	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
63	Customs	Bill of Entry on submission	Customs	Port, Terminal, SA	CHPOI09	User can search Bill of Entry number to view the status and other necessary details required.	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
64	Customs	Out of charge	Customs	Port, Terminal, SA	CHPOI10	User can search OOC number to view details and status.	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓
65	Customs	Transshipment Permit Approval	Customs	Port, Terminal, SA	CHPOI13	User can search and view status of transhipment permit.	Consumed	✗	✓	✓	✓	✗	✓	✗	✓	✗	✓	✓	✓	✗
66	Customs	Allotment of Rotation number	Customs	Port, Terminal, SA	CHSAE02	User can check the status of rotation number request status and other details	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
67	Customs	Shipping Bill Details	Customs	Port, Terminal, SA	CHPOE05	User can check details of his/her shipping bill.	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
68	Customs	LEO	Customs	Port, Terminal, SA	CHPOE07	search and view details of LIO	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
69	Customs	Goods Arrival at Port	Port	Customs	POCHE06	User can search and view cargo arrival status and custom permission status	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
70	Customs	Vessel Sailing Report	Port	Customs	POCHE14	User can check status, report and details of vessel sailing	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
71	Customs	Consignment Arrival at Port	Port	Customs	POCHE17	Search and view consignment arrive details and reports	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
72	Customs	Landing/ Tally Report	Port	Customs	POCHI06	Custom, Port and Shipping agent use this functionality to view Landing tally report and its acknowledgement status	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

S. No.	Functionality	Message name	Message From	Message To	EDI	Outcome	Consumed/Generated	Mumbai	Kolkata	Cochin	Ennore	Haldia	Kandla	Nhava Sheva	Chennai	Goa	New Mangalore	Paradip	Tuticorin	Vizag
73	Customs	Excess Landed Cargo	Port	Customs	POCHI07	Custom, Port and Shipping agent use this functionality to view excess landed cargo and its acknowledgement status	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
74	Customs	Location of Cargo	Port	Customs	POCHI08	Custom, Port and Shipping agent use this functionality to view location of cargo and its acknowledgement status	Consumed	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓
75	Customs	Cancellation of Rotation No.	Customs	Port	CHSAED4	Custom, Port and Shipping agent use this functionality to view allotment and cancelation of rotation no	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
76	Customs	Grant of Entry Inward	Customs	Port	CHSAI02	Customs, Port, and Shipping agent use this page view the grant of entry inward status details.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
77	Customs	Cargo Movement Approval	Customs	SA	CHSAI15	User can search and view current approval status for movement request.	Consumed	✗	✓	✓	✗	✗	✗	✗	✓	✗	✗	✗	✓	✓
78	Customs	Grant of Port Clearance	Customs	Port	CHSAE13	To search and check port clearance approval statutes	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
79	Customs	Details of Shutout Cargo	Customs	Port	CHPOE09	Port, Customs, CFS, and Shipping agent use this page to view the Stuffing Report status.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
80	Customs	Stuffing Report	Customs	Port	CHPOE08	Port, Customs, CFS, and Shipping agent use this page to view the Stuffing Report status.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
81	Customs	Grant of Entry Outward	Customs	Port	CHPOE11	Port, Customs, CFS, and Shipping agent use this page to view the grant of entry outwards status.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
82	Transport Module	Gate-In Appointment Booking	Transporter	Port	GTINAP	This feature will enable CFS/Exporter to create gate in appointment of its consignment to Port/Terminal	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
83	Voyage Registration	Gate Open Cut off time	Port	SA	GOCOFR	This Feature will update Port user with gate cut-off time of different vessel	Consumed	✗	✓	✗	✗	✓	✓	✗	✗	✗	✗	✗	✗	✓
84	Transport Module	Delivery Gate Schedule	Port	All Terminals	DGTSCH	This feature will enable Port/Terminal to create delivery schedule of vessel container/Cargo	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
85	Transport Module	Transport Order	SA	Transporter	TPRORD	This feature will enable Importer/Exporter to create and request for transport order of container from Port to CFS and CFS to Port	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
86	Transport Module	Pre-Gate	Transporter	Port	PRGMSG	Port/Terminal can use this feature for pre-gate activities	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
87	Transport Module	Equipment Interchange Report	Port	SA	EIRMSG	This feature will enable Port user to view and download EIR copy of container	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
88	Berthing	Agency Change	SA, Port	Port, SA	AGNCHG	This messages will help port authority if there is change of agency during voyage.	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
89	Online Payments	Payment Status	SA (via PCS)	Port	PAYSTS	This feature is helpful for port to get the details of payment made by port customers.	Consumed	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓
90	Customs	Excess Landed Cargo Acknowledgement	Customs (via PCS)	Port	CHPOI07A	This messages is send by customs to Port and terminal for acknowledgement of Excess landed cargo.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
91	Customs	Landing/Tally Report Acknowledgement	Customs (via PCS)	Port	CHPOI06A	This messages is send by customs to Port and terminal for acknowledgement of Landing/ Tally Report.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
92	Customs	Location of Cargo-Acknowledgement	Customs (via PCS)	Port	CHPOI08A	This messages is send by customs to Port and terminal for Location of Cargo-Acknowledgement	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
93	Customs	Detention/Release Order	Customs (via PCS)	Port	CHPOI31	Using this messages Port,terminal and CFS can view the details of Detention/Confiscation/Release Order send by customs.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
94	Customs	Container arrival at CFS	Customs (via PCS)	Port	CFCHI17	Using this message CFS can send the details fo Consignment arrived at CFS.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
95	Customs	Gate Pass	Customs (via PCS)	Port	POCHI16	This messages help CFS to send details of gatepass details to customs.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
96	Delivery order for cargo release	VCN LINK	SA	Port	VCNLNK	This message enables linking the VCN Number to IGM	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
97	General	Stakeholder Registration	PCS	Port	STKHOL	This message enables sharing of the stakeholder data via XML	Generated	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
98	CFS Module	Container Weighment Request	CHA/Importer	CFS	REQCNW	This message enables the CHA / Importer to request for weighment of the container	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
99	CFS Module	Confirmation of Container Weighment Request	CFS	CHA/Importer	CNFCNW	This message enables the CFS to confirm on the container weighment	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
100	CFS Module	Container Priority Movement Request	CHA/Importer	CFS	REQCNP	This message allows the user to request for priority movement of the container	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
101	CFS Module	Confirmation of Container Priority Movement Request	CFS	CHA/Importer	CNFCNP	This message enables the CFS to confirm and approve the priority movement request	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
102	CFS Module	Container Grounding Request	CHA/FF/Exporter	CFS	REQCNG	This message allows the user to request for grounding of the container	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
103	CFS Module	Confirmation of Container Grounding Request	CFS	CHA	CNFCNG	This message enables the CFS to confirm the groundingrequest	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
104	CFS Module	Container Scan List	Custom	CFS	SCNLST	This message is shared by the Customs to CFS to intimate the list of containers for scanning	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
105	CFS Module	Container Scan Status	Customs	CFS	SCNSTS	This message is shared by the Customs to CFS to intimate the list of containers which have finished scanning	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
106	CFS Module	Container Gate Transactions (Import)	CFS	CHA	GATRCI	This message enables to confirm that a particular container has been gated in to the CFS	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
107	CFS Module	Container Pendency Report	Port/Terminal	CFS	CNTPEN	This message enables the Port to intimate the CFS on the number of containers pending to be moved to CFS	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
108	CFS Module	Request for Seal Cutting	CHA	CFS	SELCUT	This message enables the CHA to request for cutting of the Customs seal for the import containers	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
109	CFS Module	Confirmation on Seal Cutting	CFS	CHA	CNFSLC	This message enables the CFS to acknowledge the request for seal cutting	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
110	CFS Module	Container Gate Transactions (Export)	CFS	CHA	GATRCE	This message enables to confirm that a particular container has been gated out from the CFS	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
111	CFS Module	Carting Receipt Request	CHA/Exporter	CFS	CGRREQ	This message is used by the CHA / Exporter to request for carting receipt	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
112	CFS Module	Carting Receipt Response	CFS	CHA	CGRREC	This message is used by the CFS to share the carting receipt	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
113	CFS Module	Carting Request	CHA/FF/Importer/Exporter	CFS	CARTRQ	CHA/Exporter can ensure the availability of space by asking the intimation request for carting.	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
114	CFS Module	Cargo Gate Transaction (Export)	CHA/FF/Exporter	CFS	CAGTRE	This message enables to confirm that cargo has been gated out from the CFS	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
115	CFS Module	Container Movement Request	CHA/FF/Importer/Exporter	CFS	CNTMVR	Using this message, the user can request for their container to be moved to the port	Generated	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
116	CFS Module	Confirmation of Container Movement	CFS/Terminal	CHA	CNFCTM	This messages is used by the CFS to confirm once the container has been moved	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
117	Customs API	VCN To Customs	Port	Customs (via PCS)	PCCHCD1	This message enables PCS 1x to send the VCN to Customs via API	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
118	Customs API	Intimation of Actual time of Arrival/Departure of Conveyance	Port	Customs (via PCS)	TOCHI02	This API will be invoked by PCS post the generation of VCN – (CALINV) by the port, to submit the payload data to Custom.	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
119	Customs API	Intimation of transport equipment's landed/loaded in the conveyance	Port	Customs (via PCS)	TOCHI03	This API will be invoked by PCS to submit the loading or landing payload data to Custom. Port system (POS / TOS) need to provide this detail to PCS to share the same with Customs through API	Consumed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
120	Customs API	Customs Control Message	Port	Customs (via PCS)	CHTOI04N	This API will be invoked by the Ports/PCS, to obtain Entry Inward Grant / Entry Outward Grant / Port Clearance / Container Hold Grant permissions from Custom. Custom facilitate the request after validating Manifest and ATA details filed by them.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
121	Customs API	Vessel Profile	Port	Customs (via PCS)	VESPRO	This API will be invoked by Ports/PCS to post data to Custom for further consumption. Upon receiving VESPRO EDI message from port, IMO number gets stored in Ports/PCS Database. Ports/PCS will share the IMO report to Custom through API.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
122	Customs API	Communication of goods intended for arrival	Customs (via PCS)	Port	CHPOE08	This API will be invoked by Ports/PCS to post data to Custom for further consumption. This is used for intimating the Port about the goods expected to arrive at the Port	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
123	Customs API	Goods arrival at port	Port	Customs (via PCS)	POCHE06	This API will be invoked by Ports/PCS to post data to Custom for further consumption. Upon receiving the goods, PCS will share these details to ICGEATE	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
124	Customs API	Bill of Entry Submission	Customs (via PCS)	Port	CHPOI09	This message is to be provided by Customs to Ports/PCS. The API shall be developed & exposed by ICEGATE, Ports/PCS will invoke the same to fetch the Bill of Entry Submission/ Out of Charge (OOC) details.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
125	Customs API	Shipping bill details	Customs (via PCS)	Port	CHPOE05	This message is to be provided by Customs to Ports/PCS. The API shall be developed & exposed by ICEGATE, Ports/PCS will invoke the same to fetch the Shipping Bill details/Let Export Order (LEO).	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
126	Customs API	IGM on INW/Vessel details,Cargo,container	Customs (via PCS)	Port	CHPOI03	This message is to be provided by Customs to Ports/PCS. The API shall be developed & exposed by ICEGATE, Ports/PCS will invoke the same to fetch IGM on INW/Vessel Details/Cargo/Container details.	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
127	Customs API	CONSOL Manifest	Customs (via PCS)	Port	CMCHI21	This message is to be provided by Customs to Ports/PCS. The API shall be developed & exposed by ICEGATE. Ports/PCS will invoke the same to fetch the Consol Manifest details	Consumed	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

Sr. No.	Port	Mode
1	Mumbai	API
2	Kolkata	txt
3	Cochin	XML
4	Ennore	txt
5	Haldia	txt
6	Kandla	XML
7	Nhava Sheva	API
8	Chennai	txt
9	Goa	XML
10	New Mangalore	XML
11	Paradip	XML
12	Tuticorin	XML
13	Vizag	XML