



Transhipper Message Implementation Guide

**Sea Cargo Manifest & Transshipment
Regulations, 2018**

**Directorate General of Systems
and Data Management**

Volume 1.5

Leveraging Technology For Serving Taxpayers

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Revision History

Version	Date	Author	Approved By	Owner	Comments
Transhipper Message Implementation Guide V.1	22/08/19	Chetna Jain	Ananth R	ICES	
Transhipper Message Implementation Guide V.1.1	19/09/19	Chetna Jain	Ananth R	ICES	Added reporting event ASR object & structure hierarchy, object-attribute table including Cargo-Itinerary, JSON Schema & Sample
Transhipper Message Implementation Guide V.1.2	25/09/19	Chetna Jain	Ananth R	ICES	JSON Schema's & Sample files for reporting events: AR, DP, ASR
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Transhipper Message Implementation Guide V.1.4	07/01/19	Chetna Jain	Ananth R	ICES	Updated for indication for list of values, camel-case for each attribute of the table and Schema modification, Key Fields for Outbound file table, Error Code List, revised_JSONs Schema and Sample, revised section 2, 5 and 8.

1. Introduction:

1.1 Background:

Central Board of Indirect Taxes and Custom (CBIC) vide notification No. 38/2018-Cus (NT) dated 11.05.2018 read with notification No. 65/2018-Cus (NT) dated 30.07.2018 and 88/2018-Cus(NT) dated 30.10.2018 notified Sea Cargo Manifest and Transshipment Regulations 2018.

This regulation supersedes the earlier regulations of Import Manifest (Vessels) Regulations, 1971, Export Manifest (Vessels) Regulation, 1976 and Transportation of Goods (Through Foreign Territory) Regulations of 1965. The new regulation stipulates changes in timelines and requirements for advance notice by shipping lines (vessels) arriving in India and Exports through shipping lines (vessels) out of India.

As per the new regulations, the Authorized Sea Carrier (ASC)/Authorized Sea Agent (ASA) shall submit an Arrival Manifest electronically, prior to departure from the last port of call to the Indian Port of call. And submit a Departure Manifest electronically before departure from the Indian Port of call.

The submission of Arrival and Departure Manifest shall have to be complied with by the ASC/ASA before departure from the last port/customs station of call to every Indian customs station and Departure then on respectively.

In addition, the responsibility is also entrusted with various stakeholders authorized under Handling of Cargo in Customs Inland Station. In case of Export, Stuffing or Stripping report generated after filing Shipping Bill by custodian at Export Departure and in case of Import, Stuffing or Stripping report generated by custodian at Import Departure.

1.2 Scope:

The Scope of this document is to provide list of messages involved in this carrying out above stated responsibility by Terminal operators and provide format, sample for such communication. The brief of messages are as follows:

- CIM-DP: Export Departure (Departure Message for Goods)
- CIM-AR: Goods Arrival (Arrival Message for Goods)
- CIM-ASR: Allowed for Shipment Request

1.3 Stakeholders involved:

Following Stakeholders are involved in the implementation

1. Authorized Sea Carrier (Including Shipping line)
2. Inland Custom Station Operators
3. Terminal Operator
4. Custom Officers
5. Transhipper Custodian
6. Authorized Persons of all the above

2. Message Guidelines:

2.1 Introduction

This message guideline would help the users to prepare the declaration in the required format. The users can either utilize the data already available in the internal systems to generate this declaration in the required format by modifying their internal software systems or use of an Java utility provided by CBIC/NIC in this regard (Link: <http://ices.nic.in/ices/cim>).

The following sections may be referred for the preparation of the file.

- a) The structure and Hierarchy of the JSON object is available in [section - 4.3](#) & [Section - 4.4](#) of this document.
- b) The attributes of the JSON objects for different messages is provided in [Section-6](#)
- c) The Schema and Sample Json formats are available in [Section-5](#)
- d) Certain data elements are coded for bringing uniformity in the processing. The List of values for those data elements are given in [Section-7](#).
- e) The file submitted to the ICEGATE should be in following name format. For e.g

F_TRCHE01_AR_ICEGATEID_6011_20200116_DEC.json

(<messageType><msgID><reportingEvent><SenderID><jobID><date>_declaration)

The Declaration should be digitally signed as per the required format.

- f) It may be noted that cargo srno and eqmt_srno is unique for a unique id.

2.2 Submission of the File – ICEGATE:

The Declaration is to be submitted to Customs by User to ICEGATE either through:

- Web Upload or
- MFTP

The Declaration should be digitally signed as per the required format. (For more details, refer the following link: <https://www.icegate.gov.in/digitalSign/digitalSign.html>)

2.3 Acknowledgement of the Declaration:

Any file sent to Icegate through proper channel would be responded through acknowledged mail with the response codes regarding acceptance or rejection of the declaration. If the file, sent by the user is non readable, a mail to that extent would be reverted back.

The List of Error Codes are available in [Section -9](#) and key fields for Outbound File has described in [Section – 8](#) of this document.

The Inbound message from the user undergoes two level of validations:

1. **Structural Validation**
2. **Data and Business Logic Validation**

2.3.1 Structural Validation

It is the 1st level validation which matches the schema of the inbound file with its objects and attributes with the prescribed structure of that message. In case of a mismatch, a structural validation failure (SFL) acknowledgment would be sent as a response to the User.

2.3.1.1 Structural Validation File naming format:

The file sent by the ICEGATE should be in following name format. For e.g

F_TRCHE01_AR_ICEGATEID_6011_20200116_SFL.json

(<messageType><msgID><reportingEvent><SenderID><jobID><date>_structural validation)

2.3.1.2 Vocabulary for errors on Structural Validation failure:

The most common errors found during structural validation and the Keywords in the SFL Outbound File are as follows :

- Data Type Mismatch (“maxLength “)
- Numeric Minimum Field Length Mismatch (“minLength”)
- String Maximum Field Length Mismatch (“required”)
- Object/Array Discrepancy Mismatch (“type”)
- Pattern Mismatch (“pattern”)
- Missing required Property/Object (“required”)

For additional details, following links may be referred. (Vocabulary for Structural validation is in section 6 of Link 1)

1. <https://json-schema.org/draft/2019-09/json-schema-validation.html>
2. <https://json-schema.org/specification.html>
3. <https://json-schema.org/draft-06/json-schema-release-notes.html>

It is the 1st level validation which arises when submitted file fails at Icegate end due to the error in matching the file against the structural schema validation.

2.3.1.3 Sample SFL Outbound Files:

Examples of the SFL outbound file have been given below:

SFL Example:

Sample A: (Schema Validation Failure)

NAK Response

```
{
  "headerField": {
    "senderID": "ICEGATEID",
    "receiverID": "INNSA1",
    "versionNo": "1102",
    "indicator": "T",
    "messageID": "TRCHE01",
    "sequenceOrControlNumber": 7031,
    "date": "20200110",
    "time": "T14:50",
    "reportingEvent": "AR"
  },
  "errorDetails": {
    "status": "Schema validation failure",
    "errorCode": "ERR100",
    "errorMessage": {
      "level": "error",
      "schema": {
        "loadingURI": "#",
        "pointer": "/properties/master/properties/ transportMeans "
      },
      "instance": {
        "pointer": "/master/ "
      },
      "domain": "validation",
      "keyword": "maxLength",
      "message": "string \"Cffkdsahlfk\" is too long (length: 11, maximum allowed: 4)",
    }
  }
}
```

```

    "value": "Cffkdsahlfk",
    "found": 11,
    "maxLength": 4
  }}
}
}

```

Additional sample JSON files have been given under [Section – 5.4](#) of this document

The inbound file would undergo Second level business validation will only after successful structural validation.

2.3.2 Business Validation Acknowledgement:

Once the file has been validated for its structural correctness, the Customs Systems would validate the data with its inbuilt directories and data tables. The list of Error Codes given in [Section -9](#) of can serve as an indication on the kind of data validations the inbound files would undergo. (*Latest list of error codes can be accessed from Customs Duty Calculator page accessible through ICEGATE Website*). On Successful integration of the submitted JSON file with the Customs System, a positive ACK will be sent to the submitter with CSN No., Date and/or MCIN/PCIN number. In case of error, a negative ACK file with error code and error description will be sent.

2.3.2.1 Business Validation Acknowledgement File Format :

The file sent by the ICEGATE should be in following name format. For e.g

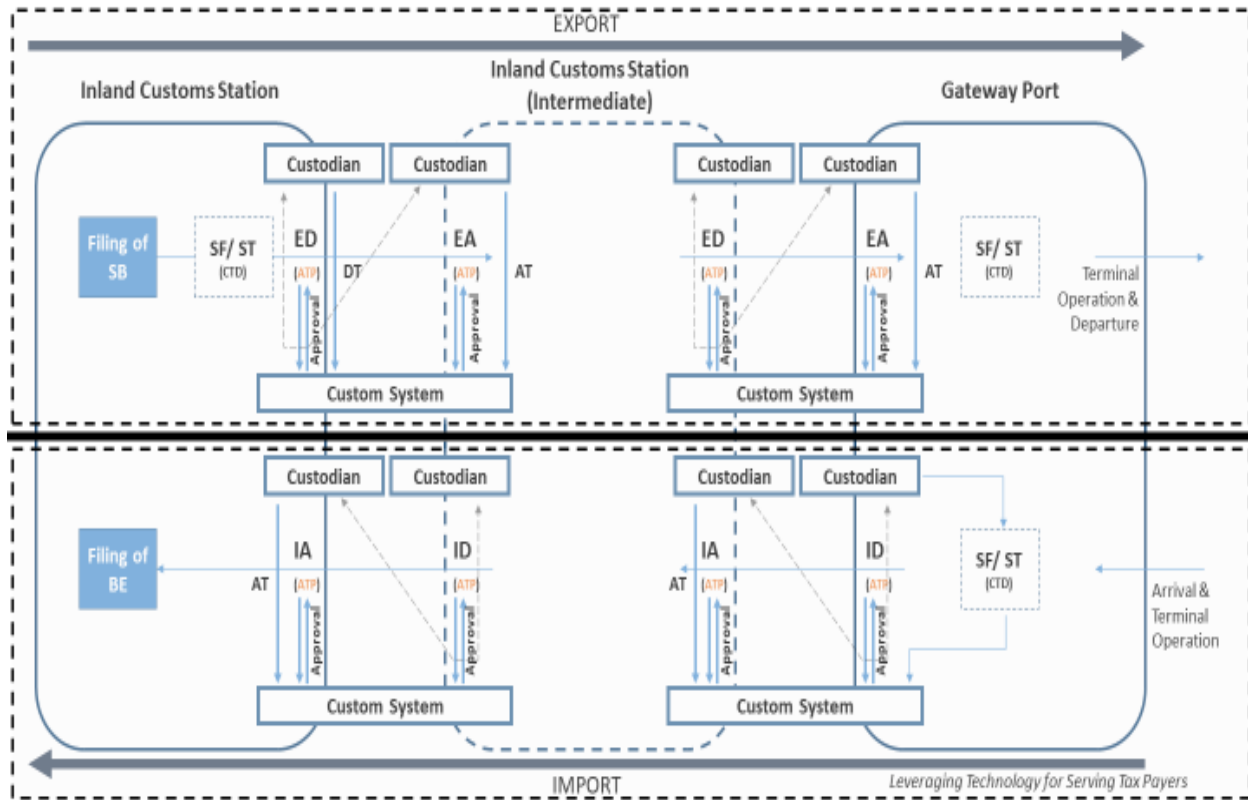
F_TRCHE01_AR_ICEGATEID_7031_20200110_ACK.json

(<messageType><msgID><reportingEvent><SenderID><jobID><date>_Final Acknowledgment)

2.3.2.2 Sample ACK Files and Schema :

Sample ACK files and schema have been attached under [Section – 5.5](#) and [Section – 5.6](#) for the benefit of the stakeholders.

3. Process Flow:



4. Manifest Master Object

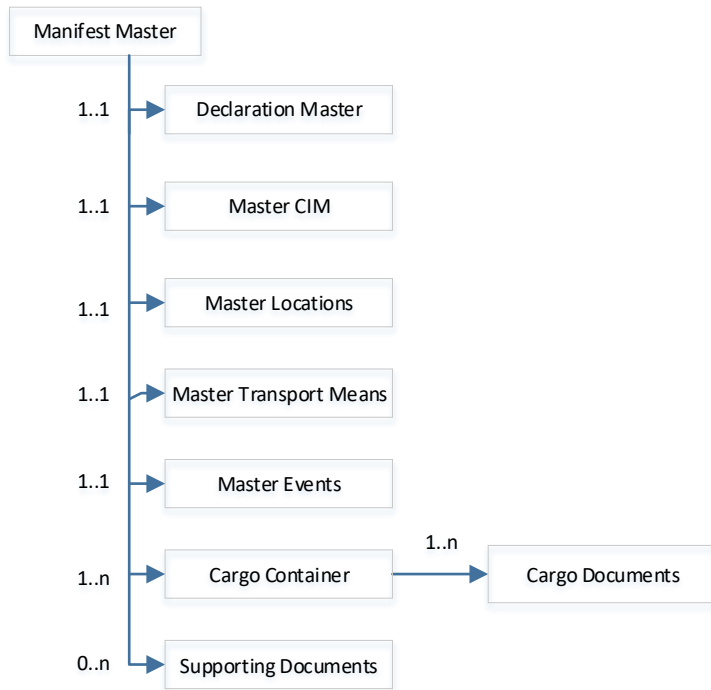
4.1 JSON Objects: Arrival & Departure of Goods

1. Manifest Declaration
2. Master CIM
3. Master Location
4. Master TM
5. Master Events
6. Cargo Container
7. Cargo Document
8. Supporting Document
9. Digital Signature

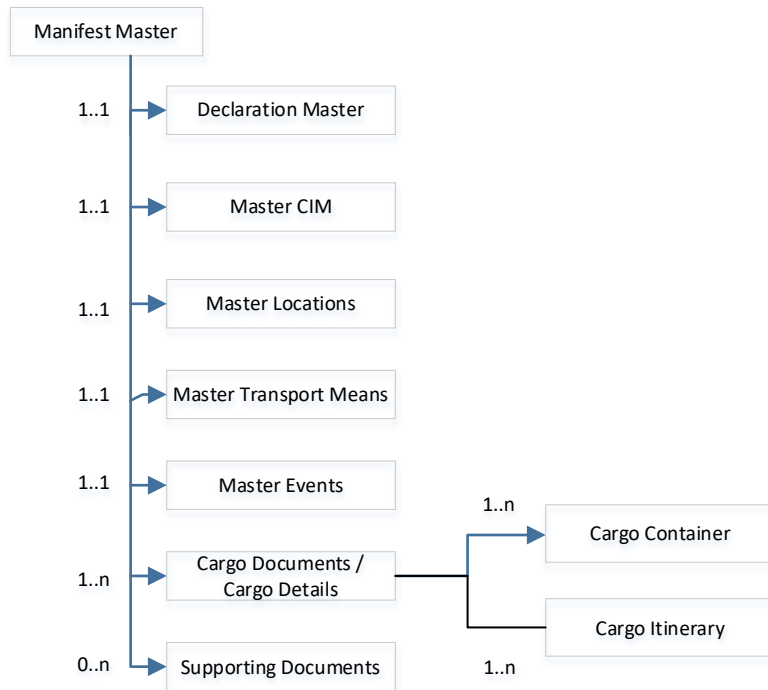
4.2 JSON Objects: Allowed for Shipment Request

10. Manifest Declaration
11. Master CIM
12. Master Location
13. Master TM
14. Master Events
15. Cargo Document
16. Cargo Container
17. Cargo Itinerary
18. Supporting Document
19. Digital Signature

4.3 Structure – Hierarchy: Arrival & Departure of Goods



4.4 Structure – Hierarchy: Allowed for Shipment Request



4.5 Attribute Table – Common structure

4.5.1 Manifest Master: Declaration

Object	Attribute Name	Data Type	Remarks	Pattern & Description
Declaration Required-true 1..1	Message Type (message Type)	CHAR (1)	The Flag specifying the action requested on this transmission LOV: F - Fresh A - Amendment	Desc: Default Value – F
	Port of Reporting (portOfReporting)	VARCHAR2 (6)	The Custom Location of Reporting	Pattern: ([!][N])([A-Z] [0-9]){4}\$ Desc: 6 digit alphanumeric
	Job No. (jobNo)	NUMBER (7)	The Unique ID provided by User for this transmission	
	Job Date (jobDate)	DATE	Date of generation of unique id provided by user for this transmission	Pattern: ^[0-9]{4}(0[1-9] 1[0-2])(0[1-9] 1[0-2])[0-9] 3[0-1])\$

Object	Attribute Name	Data Type	Remarks	Pattern & Description
				Desc: YYYYMM DD
	Reporting Event (reportingEvent)	CHAR (4)	<p>The Code specifying the Reporting Event pertaining to this transmission</p> <p>LOV: AR - Arrival (Inland Arrival) DP - Departure (Inland Departure) ASR - Allowed for Shipment Request</p>	Desc: Default Value – IA, EA, AT, DT

4.5.2 Manifest Master: CIM

Object	Attribute Name	Data Type	Remarks	Pattern & Description
CIM Required-true 1...1	CIM No. (CIMNumber)	NUMBER (12)	The unique id generated by Custom for this compliance	
	CIM Date (CIMDate)	DATE	The date unique id generated by Custom for this compliance	

4.5.3 Manifest Master: Location

Object	Attribute Name	Data Type	Remarks	Pattern & description
Location Required-True 1..1	Reporting Party Type (reportingPartyType)	CHAR (7)	Exporter, Custodian, Terminal Operators LOV: Exp - Exporter C - Custodian T - Terminal Operators	Desc: Default value – ATO, ATP, ACU
	Reporting party Code (reportingPartyCode)	VARCHAR2 (15)	Custom Identification No. (Custodian Code)	Pattern: ^[a-zA-Z0-9]{10}\$ Desc: 03 digit alphanumeric, like – CON, AND
	Reference Movement Type (referenceMovementType)	CHAR (2)	e-waybill / other movement	Pattern: ^[0-9]{12}\$ Desc: EWAY Bill Flag

Object	Attribute Name	Data Type	Remarks	Pattern & description
	Reference Movement No. (reference Movement Number)	VARCHAR2 (35)	e-waybill no. / Movement No.	Desc: EWAY Bill Number -12 digit numeric, if EW
	Reference Movement Date (reference Movement Date)	DATE	e-waybill date / Movement date	Pattern: ^[0-9]{4}(0[1-9] 1[0-2])(0[1-9] 1[1-2])[0-9] 3[0-1])\$ Desc: YYYYMMDD
	Bond No. (bondNumber)	VARCHAR2 (10)	Bond Number	
	Reporting Location Code (reportingLocationCode)	VARCHAR2 (15)	Reporting Location Code: Mention IEC + Branch Code of registered premise where sealing took place	Pattern: ^([I][N])([a-zA-Z0-9]){8}\$ Desc: 10 digit alphanumeric starting with IN

Object	Attribute Name	Data Type	Remarks	Pattern & description
	Reporting Location Name	VARCHAR2 (35)	Where stuffing took place	Desc: Branch Location
	Next Destination of Unlading (nextDestinationOfUnlading)	VARCHAR2 (10)	Custodian Code of next site	Pattern: ([I][N])([A-Z] [0-9]){8}\$ Desc: Destination Custodian Code 10 digit alphanumeric
	Authorized Person PAN (authorizedPersonPAN)	VARCHAR2 (10)	PAN No. of Authorized Person	

4.5.4 Manifest Master: Transport Means

Object	Attribute Name	Data Type	Remarks	Pattern & Description
Transport Means Required – True 1...1	Transport Means Type (transportMeansType)	CHAR (1)	means of transport. LOV: 1.- Sea, 2 - Rail, 3 - Truck 4 - Air	Pattern : ^[a-zA-Z0-9]{1}\$
	Transport Means No. (transportMeansNumber)	VARCHAR2 (12)	Identification No. of train / license plate no. of truck	Desc: Truck or Trailer number Rail number
	Transport Means eID Type (transportMeanseIDType)	VARCHAR2 (4)	Fastag or any other type	Desc: Default Value – FT
	Transport Means eID (transportMeanseID)	VARCHAR2 (16)	Fastag No.	Desc: RFID Tag number of vehicle
	Total Equipment's (totalEquipments)	NUMBER (4)	Total no. of transport equipment's	

4.5.5 Manifest Master: Events

Object	Attribute Name	Data Type	Remarks	Pattern & Description
Events Required – True 1...1	Expected Time of Departure	TIMESTAMP	Date and Time of event	
	Actual Time of Departure	TIMESTAMP	Date and Time of event	Pattern: ^([0-9]{4})([01-9] 1[0-2])([0-9] 1-2)[0-9] 3[0-1])[T]([0-1][0-9] 2[0-3]):([0-5][0-9])\$ Desc: Actual Time of Departure YYYYMMDDTH H:MM
	Expected Time of Arrival (expectedTimeOfArrival)	TIMESTAMP	Date and Time of event	Pattern: ^([0-9]{4})-([0-1][0-9])-([0-3][0-9])[T]([0-1][0-9] 2[0-3]):([0-5][0-9])\$ Desc: pattern

Object	Attribute Name	Data Type	Remarks	Pattern & Description
	Actual Time of Arrival (actualTimeOfArrival)	TIMESTAMP	Date and Time of event	

4.5.6 Manifest Master: Cargo Container

Object	Attribute Name	Data Type	Remarks	Pattern & Description
Cargo Container Required – True 1...n	Message Type (messageType)	CHAR (1)	The Flag specifying the action requested on this transmission F - Fresh A - Amendment	Desc: Default Value – F
	Equipment Sequence No. (equipmentSequenceNo)	NUMBER (5)	The Serial number of Equipment referenced in the Transport Document. Starting with 1	
	Container ID (containerID)	VARCHAR 2 (11)	Identification of container or truck no. in case of bonded truck Marks (letters and/or numbers) which identify equipment e.g. unit load device, Container	

Object	Attribute Name	Data Type	Remarks	Pattern & Description
	Equipment type (equipmentType)	VARCHAR 2 (3)	The Code specifying the type of the Equipment used for Transport LOV: C – Container, B - Bonded truck, W - wagon	Pattern: ^[C]\$ ^[B]\$ ^[W]\$ Desc: C Or B Or W
	Equipment Size (equipmentSize)	CHAR (4)	ISO code of container type	Pattern: ^[a-zA-Z0-9]{4}\$ Desc: 4 digit alphanumeric
	Equipment Load Status (equipmentLoadStatus)	CHAR (3)	Code specifying how full piece of transport is. LOV: FCL - Full LCL - Partial EMP - Empty	pattern: ^[A-Z]{3}\$ Desc: FCL, LCL, EMP
	Additional Equipment Hold (additional	VARCHAR 2 (256)	Wagon No., Trailer No, coded	Desc: Wagon number

Object	Attribute Name	Data Type	Remarks	Pattern & Description
	Equipment Hold)		The Identifier for Additional Equipment used for Hold e.g Tray etc.	incase of Rail
	Final Destination Location (finalDestinationLocation)	VARCHAR 2 (10)	Port Code of gateway port	Pattern: ([I][N])([A-Z] [0-9]){8}\$ Desc: 10 digit alphanumeric
	Event Date (eventDate)	DATE	Date of event when cargo is being transported	Pattern: ^([0-9]{4})-([0-1][0-9])-([0-3][0-9])[T]([0-1][0-9] [2][0-3]):([0-5][0-9])\$ Desc: Sealing Date
	Equipment seal Type (equipmentSealType)	CHAR (5)	Eseal / other type: LOV: ESEAL – E-Seal, BTSL – Bottle Seal, OTH – Other Seal	Pattern: ^[A-Z]{5}\$ Desc: ESEAL, BTSL

Object	Attribute Name	Data Type	Remarks	Pattern & Description
	Equipment Seal No. (equipmentSealNumber)	CHAR (15)	No. of Equipment Seal	Pattern: "^[a-zA-Z0-9]{15}\$" Desc: alphanumeric
	Other Equipment ID (otherEquipmentID)	VARCHAR 2 (256)	RFID tag or other Reference	
	Equipment Status (equipmentStatus)	CHAR (3)	The Status of the Transport Equipment Damaged Intact Shaort landed Delay etc	Pattern: [0-9]{3} Desc: value=127
	Equipment Pkg (equipmentPkg)	VARCHAR 2 (2)	Container BULK	
	Equipment Quantity (equipmentQuantity)	NUMBER (16)	No. of container/pkg	
	Equipment QUC (equipmentQUC)	CHAR (3)	UQC Code LOV: PKG - Package KGS - Kilograms	

4.5.7 Manifest Master: Cargo Details

Object	Attribute Name	Data Type	Remarks	Pattern & Description
Cargo Details Required – True 1...n	Message Type (message Type)	CHAR (1)	The Flag specifying the action requested on this transmission LOV: F - Fresh A - Amendment	Desc: Default value – F
	Cargo Sequence No. (cargoSequenceNo)	NUMBER (4)	The serial No. indicating the cargo items carried I transport document	
	Document Type (documentType)	VARCHAR2 (4)	Identity the type of document LOV: PCIN MCIN	Pattern: ^[S][B]\$ Desc: SB, BE
	Document Site (documentSite)	VARCHAR2 (6)	Indian port code where document issued	Pattern: "([I][N])([A-Z] [0-9]){4}\$" Desc: 6 digit alphanumeric

Object	Attribute Name	Data Type	Remarks	Pattern & Description
	Document No. (documentNo)	NUMBER (12)	<p>Identification No. of document</p> <p>BE No. SB No. MCIN No. PCIN No.</p> <p>EBE No – EDI BE No, ZBE No – SEZ BE No, MBE No – Manual BE No, ESB No - EDI SB No, ZSB No - SEZ SB No, MSB No – Manual SB No</p>	
	Document Date (documentDate)	DATE	<p>Date of document</p>	<p>Pattern: ^[0-3]?[0-9].[0-3]?[0-9].(?:[0-9]{2})?[0-9]{2}\$</p> <p>Desc: Pattern</p>
	Shipment Load Status (shipmentLoadStatus)	CHAR (3)	<p>To indicate if all cargo pertaining to this SB is in this container (F) or if it is loaded in multiple</p>	<p>Pattern: ^[P]\$ ^[F]\$</p> <p>Desc: Value = P or F</p>

Object	Attribute Name	Data Type	Remarks	Pattern & Description
			containers (P) LOV: F - Full P - Partial	
	Package Type (packageType)	VARCHAR2 (2)	LOV: P - Packaged, LB - Liquid Bulk, DB - Dry Bulk	Pattern: ^[P]\$ ^[L][B]\$ ^[D][B]\$ Desc: Value = P OR LB OR DB
	Quantity (quantity)	NUMBER (16,6)	No. of Packages	
	Packets From (packetsFrom)	NUMBER (6)	Starting no. of quantity in the container	
	Packets To (packetsTo)	NUMBER (6)	Ending no of quantity in the container	
	Pack UQC (packUQC)	CHAR (3)	UQC of quantity PKG - package KGS - kilograms	
	MCIN / PCIN (MCIN/PCIN)	VARCHAR2 (20)	No. of MCIN / PCIN where applicable	

4.5.8 Manifest Master: Cargo Itinerary

Object	Attribute Name	Data Type	Remarks	Pattern & Description
Cargo Itinerary Required – True 1...n	Port of call sequence number (prtOfCall SeqNmbr)	NUMBER (5)	The Serial number Indicating the sequence of the port of call by the referenced cargo.	
	Port of Call, Coded (prtOfCall Cdd)	VARCHAR2 (10)	TheCode indicating the Place/Port of call, Coded.	
	Port of Call Name (prtOfCall Name)	VARCHAR2 (256)	The Code indicating the place/Port of call, Text	
	Next port of call, Coded (nxtPrtOf CallCdd)	VARCHAR2 (10)	The Registered Coded of Next Port of Call, Coded	
	Next port of call name (nxtPrtOf CallName)	VARCHAR2 (256)	The Registered Coded of Next Port of Call, Text	
	Mode of Transport (modeOfTr nsprt)	CHAR (1)	Mode of Transport used for crossing the Border/Mov	

Object	Attribute Name	Data Type	Remarks	Pattern & Description
			ement, Coded	

4.5.9 Manifest Master: Supporting Document

Object	Attribute Name	Data Type	Remarks	Pattern & Description
Supporting Document Required – True 0...n	Message Type (messageType)	CHAR (1)	The Flag specifying the action requested on this transmission LOV: F - Fresh A - Amendment	Desc: Default value - F
	Equipment Serial No. (equipmentSerialNumber)	NUMBER (5)		
	Document Serial no. (documentSerialNumber)	NUMBER (4)	Serial No. of document	
	Icegate User ID (ICEGATEUserID)	CHAR (15)	Icegate ID of user who uploaded the	

Object	Attribute Name	Data Type	Remarks	Pattern & Description
			supporting documents	
	IRN No. (IRNNumber)	NUMBER (14)	The unique reference no given by eSanchit on uploading of document	
	Document Reference No. (document Reference Number)	CHAR (17)	The unique reference no. given by issue to this document. Eg. Aadhaar No.	
	Document Type Code (document TypeCode)	CHAR (6)	The identifier assigned by Custom to identify the type of document	
	Beneficiary Code (beneficiaryCode)	CHAR (35)	The identifier of beneficiary of this document Eg. IEC, Custodian Code etc.	

4.5.10 Manifest Master: DigiSign

Object	Attribute Name	Data Type	Remarks	Pattern & Description
Digi Sign Required – True 1...1	Signature (startSignature)	VARCHAR 2	Start Signature	
	Certificate (startCertificate)	VARCHAR 2	Start Certificate	
	Version (signerVersion)	VARCHAR 2	Signer Version	

5. JSON Schema's and Sample's

5.1 Inbound JSON Schema



5.2 Inbound JSON Samples



5.3 Outbound SFL JSON Schema



5.4 Outbound SFL JSON Samples

Maximum Length Validation Failure



5.5 Outbound ACK JSON Schema

Will insert later

5.6 Outbound ACK JSON Samples

Will insert later

6. Object Attribute Table

6.1 Inland Arrival & Departure of Goods

Object	Attribute Name	CIM-DP	CIM-AR
Declaration		M	M
	Message Type	M (F)	M (R)
	Port of Reporting	M	M
	Job No.	M	X
	Job Date	M	X
	Reporting Event	M (ID)	M (IA)
CIM		X	M
	CIM No.		M
	CIM Date		M
Location		M	M
	Reporting Party Type	M (ATP)	M (ATP)
	Reporting party Code	M	M
	Reference Movement Type	O	O
	Reference Movement No.	O	O
	Reference Movement Date	O	O
	Bond No.	M	M
	Reporting Location Code	M	M
	Reporting Location Name	X	X
	Next Destination of Unlading	M	M
	Authorized Person PAN	M	M
Transport Means		M	M
	Transport Means Type	M	M
	Transport Means No.	M	M
	Transport Means eID Type	O	O
	Transport Means eID	O	O
	Total Equipment's	M	M
Events		M	M
	Expected Time of Departure	M	X
	Actual Time of Departure	X	X
	Expected Time of Arrival	M	X
	Actual Time of Arrival	X	M
Cargo Container		M	M
	Message Type	M	M

Object	Attribute Name	CIM-DP	CIM-AR
	Equipment Sequence No.	M	M
	Container ID	M	M
	Equipment type	M	M
	Equipment Size	M	M
	Equipment Load Status	M	M
	Additional Equipment Hold	O	O
	Final Destination Location	M	X
	Event Date	X	X
	Equipment seal Type	M	X
	Equipment Seal No.	M	X
	Other Equipment ID	O	O
	Equipment Status	X	M
	Equipment Pkg	O	O
	Equipment Quantity	O	O
	Equipment QUC	O	O
Cargo Document		M	X
	Message Type	M	
	Cargo Sequence No.	M	
	Document Type	M	
	Document Site	O	
	Document No.	O	
	Document Date	O	
	Shipment Load Status	M	
	Package Type	M	
	Quantity	O	
	Packets From	O	
	Packets To	O	
	Pack UQC	O	
	MCIN / PCIN	O	
Supporting Document		O	O
	Message Type	M	M
	Equipment Serial No.	M	M
	Document Serial no.	M	M
	Icegate User ID	M	M
	IRN No.	M	M
	Document Reference No.	M	M
	Document Type Code	M	M
	Beneficiary Code	O	O

6.2 Allowed for Shipment Request (ASR)

Object	Attribute Name	CIM-ASR
Declaration		M
	Message Type	M (F)
	Port of Reporting	M
	Job No.	M
	Job Date	M
	Reporting Event	M (AS)
CIM		X
	CIM No.	
	CIM Date	
Location		M
	Reporting Party Type	M (ATP)
	Reporting party Code	M
	Reference Movement Type	X
	Reference Movement No.	X
	Reference Movement Date	X
	Bond No.	X
	Reporting Location Code	M
	Reporting Location Name	M
	Next Destination of Unlading	X
	Authorized Person PAN	M
Transport Means		X
	Transport Means Type	
	Transport Means No.	
	Transport Means eID Type	
	Transport Means eID	
	Total Equipment's	
Events		X
	Expected Time of Departure	
	Actual Time of Departure	
	Expected Time of Arrival	
	Actual Time of Arrival	
Cargo Details		M
	Message Type	M (F)
	Cargo Sequence No.	M
	Document Type	M
	Document Site	M

Object	Attribute Name	CIM-ASR
	Document No.	M
	Document Date	M
	Shipment Load Status	M
	Package Type	M
	Quantity	O
	Packets From	O
	Packets To	O
	Pack UQC	O
	MCIN / PCIN	M
Cargo Container		M
	Message Type	M (F)
	Equipment Sequence No.	M
	Container ID	M
	Equipment type	M
	Equipment Size	M
	Equipment Load Status	M
	Additional Equipment Hold	O
	Final Destination Location	M
	Event Date	M
	Equipment seal Type	M
	Equipment Seal No.	M
	Other Equipment ID	O
	Equipment Status	M
	Equipment Pkg	O
	Equipment Quantity	O
	Equipment QUC	O
Cargo Itinerary		M
	Port of call sequence number	M
	Port of Call, Coded	M
	Port of Call Name	M
	Next port of call, Coded	M
	Next port of call name	M
	Mode of Transport	M
Supporting Document		O
	Message Type	M (F)
	Equipment Serial No.	M
	Document Serial no.	M
	Icgate User ID	M
	IRN No.	M
	Document Reference No.	M

Object	Attribute Name	CIM-ASR
	Document Type Code	M
	Beneficiary Code	O

7. List of Values:

Object Name	Description	Code
Message Type	Fresh	F
	Amendment	A
Indicator	Production	P
	Test	T
Reporting Event	Departure (Inland Departure)	DP
	Arrival (Inland Arrival)	AR
Reporting Party Type	Exporter	EXP
	Custodian	C
	Terminal Operators	T
Transport Means Type	Sea	1
	Rail	2
	Truck	3
	Air	4
Equipment type	Container	C
	Bonded truck	B
	wagon	W
Package Type	Packaged	P
	Liquid Bulk	LB
	Dry Bulk	DB
Equipment Load Status	Partial	LCL
	Empty	EMP
	Full	FCL
Equipment Seal Type	E-Seal	ESEAL
	Bottle Seal	BTSL
	Other Seal	OTH
Equipment QUC	Package	PKG
	Kilograms	KGS
Document Type	Entry Bill	EBE – EDI BE, ZBE – SEZ BE, MBE – Manual BE
	Shipping Bill	ESB - EDI SB, ZSB - SEZ SB, MSB – Manual SB
	Primary Cargo Identification No.	PCIN

Object Name	Description	Code
	Master Cargo Identification No.	MCIN
Shipment Load Status	Full	F
	Partial	P

Equipment Status List

Code_Type	Code	Code Name
Equ_Status	001	Arrival, completed
Equ_Status	3	Arrival, in defective condition
Equ_Status	15	Consolidated
Equ_Status	16	Crossed border
Equ_Status	18	Damaged in the course of transportation
Equ_Status	35	Forwarded to destination
Equ_Status	208	Seals, replaced
Equ_Status	218	Damaged
Equ_Status	238	Means of transport, damaged
Equ_Status	309	Packaging/equipment opened
Equ_Status	335	Seals, damaged
Equ_Status	336	Seals, broken
Equ_Status	337	Seals, tampered
Equ_Status	127	Departed, completed on a means of transport
Equ_Status	94	Stuffed and sealed
Equ_Status	71	Ready for transportation

8. Key Fields for Outbound ACK File:

Object	Attribute Name	Key Field (DP)	Key Field (AR)	Key Field (ASR)
Declaration		M	M	M
	Message Type	M	M	M
	Port of Reporting	M	M	M
	Job No.	M	M	M
	Job Date	M	M	M
	Reporting Event	M	M	M
	Error Code	M	M	M
CIM		M	M	X
	CIM No.	O	M	
	CIM Date	O	M	
	Error Code	M	M	
Location		M	M	M
	Reporting Party Type	M	M	M
	Reporting party Code	M	M	M
	Reference Movement Type	X	X	X
	Reference Movement No.	X	X	X
	Reference Movement Date	X	X	X
	Bond No.	X	X	X
	Reporting Location Code	X	X	X
	Reporting Location Name	X	X	X
	Next Destination of Unlading	X	X	X
	Authorized Person PAN	X	X	X
	Error Code	M	M	M
Transport Means		M	M	X
	Transport Means Type	M	M	
	Transport Means No.	M	M	
	Transport Means eID Type	X	X	
	Transport Means eID	X	X	
	Total Equipment's	X	X	
	Error Code	M	M	
Events		M	M	X
	Expected Time of Departure	X	X	
	Actual Time of Departure	X	X	

Object	Attribute Name	Key Field (DP)	Key Field (AR)	Key Field (ASR)
	Expected Time of Arrival	X	X	
	Actual Time of Arrival	X	X	
	Error Code	M	M	
Cargo Details		M	M	M
	Message Type	M	M	M
	Cargo Sequence No.	M	M	M
	Document Type	X	X	X
	Document Site	X	X	X
	Document No.	X	X	X
	Document Date	X	X	X
	Shipment Load Status	X	X	X
	Package Type	X	X	X
	Quantity	X	X	X
	Packets From	X	X	X
	Packets To	X	X	X
	Pack UQC	X	X	X
	MCIN / PCIN	X	X	X
	Error Code	M	M	M
Cargo Container		M	M	M
	Message Type	M	M	M
	Equipment Sequence No.	M	M	M
	Container ID	M	M	M
	Equipment type	X	X	X
	Equipment Size	X	X	X
	Equipment Load Status	X	X	X
	Additional Equipment Hold	X	X	X
	Final Destination Location	X	X	X
	Event Date	X	X	X
	Equipment seal Type	X	X	X
	Equipment Seal No.	X	X	X
	Other Equipment ID	X	X	X
	Equipment Status	X	X	X
	Equipment Pkg	X	X	X
	Equipment Quantity	X	X	X
	Equipment QUC	X	X	X
	Error Code	M	M	M

Object	Attribute Name	Key Field (DP)	Key Field (AR)	Key Field (ASR)
Cargo Itinerary		X	X	M
	Port of call sequence number			M
	Port of Call, Coded			X
	Port of Call Name			X
	Next port of call, Coded			X
	Next port of call name			X
	Mode of Transport			X
	Error Code			M
Supporting Document		O	O	O
	Message Type	M	M	M
	Equipment Serial No.	M	M	M
	Document Serial no.	M	M	M
	Icegate User ID	X	X	X
	IRN No.	X	X	X
	Document Reference No.	X	X	X
	Document Type Code	X	X	X
	Beneficiary Code	X	X	X
	Error Code	M	M	M

9. Error Code List:

Error Code	Description (Message Level)
M 01	There is duplicate records in master tag
CCM 02	Duplicate records in container
CDM 03	Duplicate records in Cargo
SDM 04	Duplicate records in supporting Document
ITM05	Duplicate records in Itinary
M 06	If a record present in control table there should be a record in master table

Error Code	Description (Business level)
HFB02	Reporting event not in (ASR,DP,AR)
DCB03	Reporting event not in (ASR,DP,AR)
LCB04	Party type should be 'ATP'.
CDB05	If rep_event is 'ASR' then MCIN/PCIN must be populated.
CDB06	PCIN is not valid
CDB07	If pcin and rep_event site is same then the Current Queue of the Shipping Bill should be 'EGM'.

HF – Header Field Object, LC - Location Object, DC – Declaration Object, CD – Cargo Details Object, CC – Cargo Container Object, IT – Itinary Object, SD – Supporting Documents Object