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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 |
| Transhipper Message Implementation Guide V.1.3 | 04/12/19 | Chetna Jain | Ananth R | ICES |  |
| 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. |

# Introduction:

## 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.

## 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

## 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

# Message Guidelines:

## 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.

1. The structure and Hierarchy of the JSON object is available in [section - 4.3](file:///C:\Users\AngoZen\Downloads\MIG_Transhipper_v1.3D.docx#Structure – Hierarchy: Arrival & Departure of Goods) & [Section - 4.4](file:///C:\Users\AngoZen\Downloads\MIG_Transhipper_v1.3D.docx#Structure – Hierarchy: Allowed for Shipment Request) of this document.
2. The attributes of the JSON objects for different messages is provided in [Section-6](file:///C:\Users\AngoZen\Downloads\MIG_Transhipper_v1.3D.docx#Object Attribute Table)
3. The Schema and Sample Json formats are available in [Section-5](file:///C:\Users\AngoZen\Downloads\MIG_Transhipper_v1.3D.docx#JSON Schema’s and Sample’s)
4. Certain data elements are coded for bringing uniformity in the processing. The List of values for those data elements are given in [Section-7](file:///C:\Users\AngoZen\Downloads\MIG_Transhipper_v1.3D.docx#List of Values:).
5. 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.

## 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>)

## 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](file:///C:\Users\AngoZen\Downloads\MIG_Transhipper_v1.3D.docx#Error Code List:) and key fields for Outbound File has described in [Section – 8](file:///C:\Users\AngoZen\Downloads\MIG_Transhipper_v1.3D.docx#Key Fields for Outbound File:) of this document.

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

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

### 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.

#### 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)

#### 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.

#### 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](file:///C:\Users\AngoZen\Downloads\MIG_Transhipper_v1.3D.docx#Outbound SFL JSON Samples) of this document

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

### 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](file:///C:\Users\AngoZen\Downloads\MIG_Transhipper_v1.3D.docx#Error Code List:) 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.

#### Business Validation Acknowledgement File Format :

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

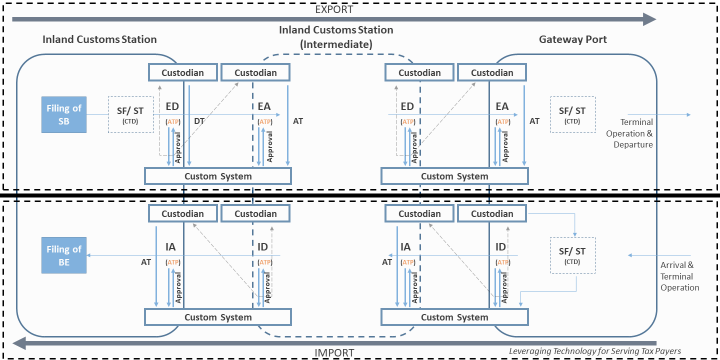
***F\_TRCHE01\_AR\_ICEGATEID\_7031\_20200110\_ACK.json***

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

#### Sample ACK Files and Schema :

Sample ACK files and schema have been attached under [Section – 5.5](file:///C:\Users\AngoZen\Downloads\MIG_Transhipper_v1.3D.docx#Outbound ACK JSON Schema) and [Section – 5.6](file:///C:\Users\AngoZen\Downloads\MIG_Transhipper_v1.3D.docx#Outbound ACK JSON Samples) for the benefit of the stakeholders.

# Process Flow:



# Manifest Master Object

## 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

## JSON Objects: Allowed for Shipment Request

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

## Structure – Hierarchy: Arrival & Departure of Goods



## Structure – Hierarchy: Allowed for Shipment Request



## Attribute Table – Common structure

### Manifest Master: Declaration

| Object | Attribute Name | Data Type | Remarks | Pattern & Description |
| --- | --- | --- | --- | --- |
| Declaration  Required-true  1..1 | Message Type (messageType) | 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: ([I][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]|[1-2][0-9]|3[0-1])$  Desc: YYYYMMDD |
| Reporting Event (reportingEvent) | CHAR (4) | The Code specifying the Reporting Event pertaining to this transmission  LOV:  AR - Arrival ()Inland Arrival)  DP - Departure (Inland Departure)  ASR - Allowed for Shipment Request | Desc: Default Value – IA, EA, AT, DT |

### 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 |  |

### 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 |
| Reference Movement No. (referenceMovementNumber) | VARCHAR2 (35) | e-waybill no. / Movement No. | Desc: EWAY Bill Number -12 digit numeric, if EW |
| Reference Movement Date (referenceMovementDate) | DATE | e-waybill date / Movement date | Pattern: ^[0-9]{4}(0[1-9]|1[0-2])(0[1-9]|[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 esealing took place | Pattern: ^([I][N])([a-zA-Z0-9]){8}$  Desc: 10 digit alphanumeric starting with IN |
| 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 (authorisedPersonPAN) | VARCHAR2 (10) | PAN No. of Authorized Person |  |

### 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 |  |

### 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}(0[1-9]|1[0-2])(0[1-9]|[1-2][0-9]|3[0-1])[T]([0-  1][0-9]|[2][0-3]):([0-5][0-9])$  Desc: Actual Time of Departure YYYYMMDDTHH:MM |
| Expected Time of Arrival (expectedTimeOfArriva) | 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 |
| Actual Time of Arrival (actualTimeOfArrival) | TIMESTAMP | Date and Time of event |  |

### 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) | VARCHAR2 (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 |  |
| Equipment type (equipmentType) | VARCHAR2 (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 (additionalEquipmentHold) | VARCHAR2 (256) | Wagon No., Trailer No, coded  The Identifier for Additional Equipment used for Hold e.g Tray etc. | Desc: Wagon number incase of Rail |
| Final Destination Location (finalDestinationLocation) | VARCHAR2 (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 |
| Equipment Seal No. (equipmentSealNumber) | CHAR (15) | No. of Equipment Seal | Pattern: "^[a-zA-Z0-9]{15}$  Desc: a lphanumeric |
| Other Equipment ID (otherEquipmentID) | VARCHAR2 (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) | VARCHAR2 (2) | Container  BULK |  |
| Equipment Quantity (equipmentQuantity) | NUMBER (16) | No. of container/pkg |  |
| Equipment QUC (equipmentQUC) | CHAR (3) | UQC Code  LOV:  PKG - Package  KGS - Kilograms |  |

### Manifest Master: Cargo Details

| Object | Attribute Name | Data Type | Remarks | Pattern & Description |
| --- | --- | --- | --- | --- |
| Cargo Details  Required – True  1…n | Message Type (messageType) | 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 |
| Document No. (documentNo) | NUMBER (12) | Identification No. of document  BE No.  SB No.  MCIN No.  PCIN No.  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 |  |
| Document Date (documentDate) | DATE | Date of document | Pattern: ^[0-  3]?[0-9].[0-3]?[0-9].(?:[0-9]{2})?[0-9]{2}$  Desc: Pattern |
| Shipment Load Status (shipmentLoadStatus) | CHAR (3) | To indicate if all cargo pertaining to this SB is in this container (F) or if it is loaded in multiple containers (P)  LOV:  F - Full  P - Partial | Pattern: ^[P]$|^[F]$  Desc: Value = P or F |
| 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 |  |

### Manifest Master: Cargo Itinerary

| Object | Attribute Name | Data Type | Remarks | Pattern & Description |
| --- | --- | --- | --- | --- |
| Cargo Itinerary  Required – True  1…n | Port of call sequence number (prtOfCallSeqNmbr) | NUMBER (5) | The Serial number  Indicating the sequence of the port of call by the referenced cargo. |  |
| Port of Call, Coded (prtOfCallCdd) | VARCHAR2 (10) | The Code indicating the  Place/Port of call, Coded. |  |
| Port of Call Name (prtOfCallName) | VARCHAR2 (256) | The Code indicating the place/Port of call, Text |  |
| Next port of call, Coded (nxtPrtOfCallCdd) | VARCHAR2 (10) | The Registered Coded of Next Port of Call, Coded |  |
| Next port of call name (nxtPrtOfCallName) | VARCHAR2 (256) | The Registered Coded of Next Port of Call, Text |  |
| Mode of Transport (modeOfTrnsprt) | CHAR (1) | Mode of Transport used for crossing the Border/Movement, Coded |  |

### 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 supporting documents |  |
| IRN No. (IRNNumber) | NUMBER (14) | The unique reference no given by eSanchit on uploading of document |  |
| Document Reference No. (documentReferenceNumber) | CHAR (17) | The unique reference no. given by issue to this document.  Eg. Aadhaar No. |  |
| Document Type Code (documentTypeCode) | 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. |  |

### Manifest Master: DigiSign

| Object | Attribute Name | Data Type | Remarks | Pattern & Description |
| --- | --- | --- | --- | --- |
| Digi Sign  Required – True  1…1 | Signature (startSignature) | VARCHAR2 | Start Signature |  |
| Certificate (startCertificate) | VARCHAR2 | Start Certificate |  |
| Version (signerVersion) | VARCHAR2 | Signer Version |  |

# JSON Schema’s and Sample’s

## Inbound JSON Schema

## Inbound JSON Samples

## Outbound SFL JSON Schema



## Outbound SFL JSON Samples

*Maximum Length Validation Failure*

**

## Outbound ACK JSON Schema

Will insert later

## Outbound ACK JSON Samples

Will insert later

# Object Attribute Table

## 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 |
| 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 |

## 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 |
| 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 |
| Icegate User ID | M |
| IRN No. | M |
| Document Reference No. | M |
| Document Type Code | M |
| Beneficiary Code | O |

# 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 |
| 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 |

# 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 |  |
| 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 |
| 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 |

# 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 Itnary |
| 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 – Itnary Object, SD – Supporting Documents Object*