



# Message Implementation Guide

Directorate General of Systems  
and Data Management

*Leveraging Technology For Serving Taxpayers*

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## REVISION HISTORY

Version	Date	Author	Approved By	Comments
Container Status Message Implementation Guide V 0.2	03/12/2018	Esha Sharma		Added JSON with Sample values, Objects and attributes added for json.
Container Status Message Implementation Guide V 0.2.1	17/01/2019	Esha Sharma		Added JSON with Sample values, Objects and attributes added for json.Added modified fields.
Container Status Message Implementation Guide V 0.2.2	23/01/2019	Esha Sharma		Added Error Codes and made all necessary changes.

# 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.

Further, CBIC has notified implementation of E-Seal for Export Containers vide Board Circular No. 36/2017 dated 28.08.2017 as amended from time to time. The Government intends to encourage safe and secure Transport of Export bound Containers through implementation of E-Seal. Though the Facilitation for exporters using E-Seal is in place, automation of entire procedure would add efficiency to the existing procedure.

In the proposed procedure, The Exporters intending to avail E-Seal needs to complete one-time registration at the ICEGATE. The Application submitted would be approved by officers online. E-Seal affixed should be from a vendor authorized by Indian Customs. The Vendor registered on ICEGATE would submit Seal details to ICEGATE. The Exporters availing E-Seal is required to report departure of containers from their premises to ICEGATE using E-Seal Container Departure Message.

## 1.2 Scope:

The Scope of this document is to provide list of messages involved in this process and provide format, sample for generation of declaration. The list of messages are as follows:

1. E-Seal Container Departure Message by Exporter

## 1.3 Stakeholders Involved

Following Stakeholders are involved in the implementation

1. Exporter authorized for E-seal and registered with ICEGATE
2. Custodian notified by Customs under HCCAR

## 2. Message Guidelines

### 2.1 Introduction

The Declaration is to be submitted as Json format. The following sections would explain the details of the declarations, Format and Sample Json file.

### 2.2 Exchange of Information - Steps:

#### 2.2.1 Preparation of File:

This message guideline would help the users to prepare the declaration in the required format. The users can either utilise the data already available in the internal systems to generate this declaration in the required format by modifying their internal software systems or use an Excel utility provided by CBIC/NIC in this regard. (The details of Excel Utility is given in the [para 2.2.2](#)). 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 3](#) of this document.
- b) The attributes of the json objects for different messages is provided in [Annexure A](#).
- c) The Schema and Sample Json formats are available in [Annexure B](#).
- d) Certain data elements are coded for bringing uniformity in the processing. The List of values for those data elements are given in [Annexure C](#).
- e) The file submitted to the ICEGATE should be in following name format.

**F\_IECHE01\_ES\_DBCSW2256R\_3456556\_17012019\_DEC.json**

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

The Declaration should be digitally signed as per the required format. (For more details, refer the following link .....).

#### 2.2.2 Submission of the File – ICEGATE:

The Declaration is to be submitted to Customs by User to ICEGATE either through Simple Mail Transfer Protocol (SMTP) or through Web upload. (For more details refer Annexure A of [https://icegate.gov.in/com\\_guideline.html](https://icegate.gov.in/com_guideline.html)). The referred link also contains details on Excel Utility.

#### 2.2.3 Acknowledgement of the Declaration:

Every File submitted to Customs through ICEGATE would be acknowledged along with the response codes regarding acceptance or rejection of the declaration. The Format of Ack File and Json schema is available in [Annexure B](#). The List of Error Codes are available in [Annexure D](#).

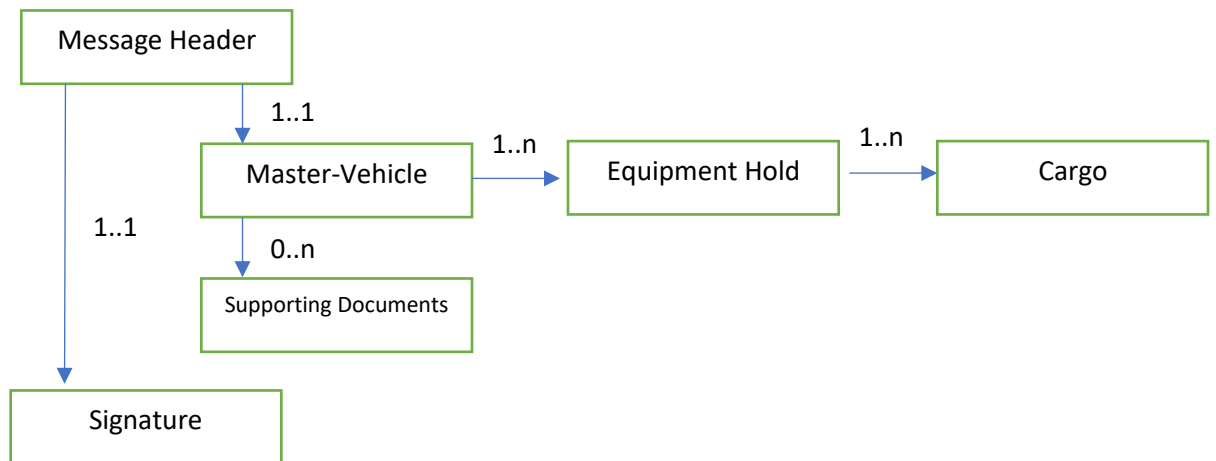
### 3. Customs Inland Manifest Format:

#### 3.1 Declaration - JSON Objects:

The Declaration is divided into six Sections. In Json, these are termed as Objects.

1. Message Header
2. Master – includes Vehicle details
3. Equipment Hold details – container or Bonded Truck used to store cargo and accompanying seal
4. Cargo – Cargo referenced by Customs Declaration (SB, BE, SMTP etc.)
5. Supporting Documents – Documents uploaded as pdf/image related to the declarations.
6. Signature – Properties of Digital Signature

#### 3.2 Document Structure/Hierarchy:



## Annexure A - Attribute Tables:

### A.1 IECHE01- ES (Eseal Departure Notification) -Declaration:

Object	Attribute Name	Description	Data Type	Required /Nillable	Sample
<b>HeaderField Required-True 1..1</b>	senderID	ICEGATE ID	Character(c)-an..30	True/False	DBCSW2256R
	receiverID	ICEGATE code of Sea Manifest	Number(N)-an..30	True/False	INPPG1
	versionNo	ICEGATE version being used	Number(N)-a..4	True/False	100V
	Indicator	test (T) or production (P) indicator	Character(c)-a..1	True/False	T
	messageID	message name	Character(c)-an..7	True/False	<b>IECHE01</b>
	sequenceOrControlNumber	unique value that can be used to uniquely identify the document	Number(N)-n...3	True/False	9
	Date	Date of transmission of message	Date	True/False	31122018
	Time	Time of transmission of message	Character(c)	True/False	2245
	reportingEvent	Reporting Event	Character(c)-a..4	True/False	ES
	<b>IECHE01</b>	<b>Master Required-True 1..1</b>	Object created for <b>IECHE01</b>	Character(c)	True/False
	messageType	Message Type (F-Fresh,A-Amendment)	Number(N) -a1	True/False	F
	portOfReporting	Port of Reporting	Character(c)-an..6	True/False	INPPG1
	jobNo	Job Number	Character(c)-n7	True/False	3456589

jobDate	Job Date(DDMM YYYY)	Date(DDMM YYYY)	True/False	31122018
reportingEvent	Reporting Event	Character(c)-a..4	True/False	ES
CIMNumber	Customs Inland Movement Number	Character(c)-n..15	False/True	123
CIMDate	Customs Inland Movement Date(DDMM YYYY)	Date(DDMM YYYY)	False/True	22112018
reportingPartyType	Reporting Party Type	Character(c)-a..7	True/False	EXP
reportingPartyCode	Reporting Party Code	Character(c)-an15	True/False	ABCDE1234D
referenceMovementType	Reference Movement Type	Character(c)-a2	True/False	EW
referenceMovementNumber	Reference Movement Number	Number(N)-an...35	True/False	180012123456
referenceMovementDate	Reference Movement Date(DDMM YYYY)	Date	True/False	22112018
bondNumber	Bond Number	Character(c)-an10	False/True	12
reportingLocationCode	Reporting Location Code	Character(c)-an..15	True/False	INCDE1234D
reportingLocationName	Reporting Location Name	Character(c)-a..35	True/False	Nagpur
nextDestinationOfUnlading	Next Destination of Unloading	Character(c)-an..10	True/False	INNSA1AGT1
transportMeansType	Transport Means Type	Character(c)-a1	True/False	2
transportMeansNumber	Transport Means eID Number	Character(c)-an..12	True/False	MH01C1234



	transportMean selDType	Transport Means eID Type	Character(c)- an..4	False/True	FT
	transportMean selD	Transport Means eID Number	Character(c)- an..16	False/True	12345678
	expectedTimeOf Departure	Expected Time of Departure(d dmmyyyy hh24:mi)	TIMESTAMP- ddmmyyyy hh24:mi	False/True	20112018T22:45
	actualTimeOfD eparture	Actual Time of Departure(d dmmyyyy hh24:mi)	TIMESTAMP- ddmmyyyy hh24:mi	True/False	31112018T22:45
	expectedTimeOf Arrival	Expected Time of Arrival(ddm myyyy hh24:mi)	TIMESTAMP- ddmmyyyy hh24:mi	True/False	12112018T22:45
	actualTimeOfAr rival	Actual Time of Arrival(ddm myyyy hh24:mi)	TIMESTAMP- ddmmyyyy hh24:mi	False/True	30112018T22:45
	authorisedPers onPAN	Authorised person PAN	Character(c)- an..10	True/False	DBCSW2256R
<b>cargoContai ner Required- True 1..n</b>	EquipmentSequ enceNo	EquipmentSe quenceNo	Number(N)- n..5	True/False	1
	containerID	ContainerID	Character(c)- an..11	True/False	ABN99088989
	equipmentType	Equipment Type	Character(c)- an..3	True/False	C
	equipmentSize	Equipment Size	Character(c)- a4	True/False	1234
	equipmentLoad Status	Equipment Load Status	Character(c)- a3	True/False	FCL
	additionalEquip mentHold	Additional Equipment Number	Character(c)- an..256	True/False	A
	finalDestination Location	Destination Port Code	Character(c)- an..10	True/False	INMAA42018

	eventDate	Event Date(ddmmyyy hh24:mi)	Timestamp(D DMMYYYY)	True/False	21092017
	equipmentSealType	Equipment Seal Type	Character(c)-a..5	True/False	ESEAL
	equipmentSealNumber	Equipment Seal Number	Character(c)-a15	True/False	AB453
	otherEquipmentID	Other Equipment Number	Character(c)-an..256	False/True	ATM2
	equipmentStatus	Equipment Status	Character(c)-a3	True/False	127
<b>cargoDetails Required- True 1..n</b>	cargoSequenceNo	cargoSequenceNo	Number(N)-n..4	True/False	1234
	documentType	Document Type	Character(c)-an..4	True/False	SB
	documentSite	Document Site	Character(c)-an..6	True/False	INNSA1
	documentNumber	Document Number	Number(N)-n..7	True/False	23222223445
	documentDate	Document Date(DDMM YYYY)	DATE(DDMM YYYY)	True/False	21092016
	ShipmentLoadStatus	ShipmentLoadStatus	Character(c)-a3	True/False	
	packageType	Nature of Packaging	Character(c)-an..2	True/False	P
	Quantity	Quantity	Character(c)-n..16,6	False/True	
	packetsFrom	Packets From	Number(N)-n6	False/True	20
	packetsTo	Packets To	Number(N)-n6	False/True	70
	packUQC	Units of Packets	Character(c)-a3	True/False	AE
<b>supportingDocuments: Required- False 0..n</b>	documentSerialNumber	documentSerialNumber	Number(N)-n..4	True/False	21
	equipmentSerialNumber	equipmentSerialNumber	Number(N)-n..5	True/False	23
	cargoSerialNumber	Cargo Serial Number	Number(N)-n..4	True/False	DBCS
	ICEGATEUserID	Icegate UserId	Character(c)-a..15	True/False	MASOND

	IRNNumber	IRN Number	Number(N)-n..14	True/False	12346567
	documentReferenceNumber	Document Number assigned for Identification	Number(N)-a..17	True/False	223344444444
	documentTypeCode	Document Type Code	Character(c)-a..6	True/False	AP
	beneficiaryCode	Beneficiary Code	Character(c)-a..35	True/False	AFRVGH
<b>digSign 1..1</b>	startSignature	startSignature	Character(c)-an..	True/False	Chgfhbvjhbjhgkjkjhikhlnkjhnkjhnkjhnkjhnkj
	startCertificate	startCertificate	Character(c)-an..	True/False	efgh45743
	signerVersion	signerVersion	Character(c)-an..	True/False	1.0

## A.2 CHIEE01A - Eseal Departure Notification – Acknowledgement

Object	AttributeName	Description	DataType	Required/ Nillable	Sample
<b>CHIEE01 A</b>	<b>Master Required-True 1..1</b>	Object created for <b>CHIEE01A</b>	Character(c)	True/False	
	messageType	Message Type (F- Fresh,A- Amendment)	Number(N) -a1	True/False	F
	portOfReporting	Port of Reporting	Character(c) -an..6	True/False	INPPG1
	jobNo	Job Number	Character(c) -n7	True/False	3456589
	jobDate	Job Date(DDMMYYYY)	Date(DDMMYYYY)	True/False	31122018
	reportingEvent	Reporting Event	Character(c)- a..4	True/False	CSM
	CIMNumber	Customs Inland Movement Number	Character(c)- n..12	False/True	123
	CIMDate	Customs Inland Movement Date(DDMMYYYY)	Date(DDMMYYYY)	False/True	22112018
	<b>masterErrorCode</b>				
	pathName				
	errorCode				
	errorMessage				
<b>cargoCon tainer Required -True 1..n</b>	EquipmentSequen ceNo	EquipmentSequenc eNo	Number(N)- n..5	True/False	1
	containerID	ContainerID	Character(c)- an..11	True/False	ABN99088 989
	equipmentType	Equipment Type	Character(c)- an..3	True/False	C
	<b>cargoContainerErr orCode</b>				
	pathName				
	errorCode				
	errorMessage				
<b>cargoDet ails Required -True 1..n</b>	cargoSequenceNo	cargoSequenceNo	Number(N)- n..4	False/True	1234
	documentType	Document Type	Character(c)- an..4	True/False	SB
	documentSite	Document Site	Character(c)- an..6	True/False	INNSA1

	documentNumber	Document Number	Number(N)- n..12	True/False	23222223 445
	documentDate	Document Date(DDMMYYYY)	DATE(DDMMYYYY)	True/False	21092016
	<b>cargoDetailsError Code</b>				
	pathName				
	errorCode				
	errorMessage				
supportingDocuments: Required - False 1...1	documentSerialNumber	documentSerialNumber	Number(N)- n..4	True/False	21
	equipmentSerialNumber	equipmentSerialNumber	Number(N)- n..5	True/False	23
	cargoSerialNumber	Cargo Serial Number	Number(N)- n..5	True/False	DBCS
	<b>supportingDocumentsErrorCode</b>				
	pathName				
	errorCode				
	errorMessage				
<b>digSign 1..1</b>	startSignature	startSignature	Character(c)-an..	True/False	chghbvjh bjhgkjkjhik hlknkjhkn kjhkjhkhj mnkj
	startCertificate	startCertificate	Character(c)-an..	True/False	efgh45743
	signerVersion	signerVersion	Character(c)-an..	True/False	1.0

## Annexure B – Json Schema & Sample Formats:

### B.1. IECHE01-ES (Eseal Departure Notification ) – Json Schema:

```
{
  "headerField": {
    "type": "object",
    "required": true,
    "properties": {
      "senderID": {
        "type": "string",
        "required": true,
        "minOccurs": "1",
        "maxLength": 30,
        "description": "ICEGATE ID"
      },
      "receiverID": {
        "type": "string",
        "required": true,
        "minOccurs": "1",
        "maxLength": 30,
        "description": "Port code where declared"
      },
      "versionNo": {
        "type": "string",
        "required": true,
        "minOccurs": "1",
        "maxLength": 7,
        "description": "ICEGATE version being used: Default value 1.0"
      },
      "indicator": {
        "type": "string",
        "required": true,
        "minOccurs": "1",
        "maxLength": 1,
        "description": "test (T) or production (P) indicator"
      },
      "messageID": {
        "type": "string",
        "required": true,
        "minOccurs": "1",
        "maxLength": 7,
        "description": "Default value: IECHE01"
      },
      "sequenceOrControlNumber": {
        "type": "string",
        "required": true,
```

User End"

```
        "minOccurs": "1",
        "maxLength": 9,
        "description": "unique value that can be used to uniquely identify the document at
    },
    "date": {
        "type": "string",
        "required": true,
        "minOccurs": "1",
        "maxLength": 8,
        "pattern": "^[0-9]{4}(0[1-9]|1[0-2])(0[1-9]|[1-2][0-9]|3[0-1])$",
        "description": "Date of transmission of message: YYYYMMDD Format"
    },
    "time": {
        "type": "string",
        "required": true,
        "maxLength": 4,
        "minOccurs": "1",
        "pattern": "^[01]?[0-9]|2[0-3]:[0-5][0-9]$",
        "description": "Time of transmission of message"
    },
    "reportingEvent": {
        "type": "string",
        "required": true,
        "minOccurs": "1",
        "description": "Default value: ES",
        "maxLength": 4
    }
}
},
"IECHE01": {
    "type": "object",
    "nillable": false,
    "minOccurs": "1",
    "required": true,
    "properties": {
        "master": {
            "type": "object",
            "properties": {
                "messageType": {
                    "type": "string",
                    "minOccurs": "1",
                    "maxLength": 1,
                    "description": "Default value:F ",
                    "required": true
                }
            }
        }
    }
},
```

```

"portOfReporting": {
  "type": "string",
  "required": true,
  "minOccurs": "1",
  "maxLength": 6,
  "pattern": "([!][N])([A-Z]|[0-9]){4}$",
  "description": "6 digit alphanumeric, starting with IN"
},
"jobNo": {
  "type": "string",
  "minOccurs": "1",
  "maxLength": 7,
  "required": true
},
"jobDate": {
  "type": "string",
  "required": true,
  "minOccurs": "1",
  "maxLength": 8,
  "pattern": "^([0-9]){4}(0[1-9]|1[0-2])(0[1-9]|[1-2][0-9]|3[0-1])$",
  "description": "YYYYMMDD"
},
"reportingEvent": {
  "type": "string",
  "required": true,
  "minOccurs": "1",
  "description": "Default value: ES",
  "maxLength": 4
},
"CIMNumber": {
  "type": "string",
  "minOccurs": "0",
  "maxLength": "15",
  "required": false
},
"CIMDate": {
  "type": "string",
  "minOccurs": "0",
  "maxLength": 8,
  "required": false
},
"reportingPartyType": {
  "type": "string",
  "minOccurs": "1",
  "maxLength": 7,
  "description": "Default value: EXP ",
  "required": true
}

```



```

    },
    "reportingPartyCode": {
      "type": "string",
      "required": true,
      "minOccurs": "1",
      "maxLength": 15,
      "pattern": "^[a-zA-Z0-9]{10}$",
      "description": "IEC Code - 10 digit alphanumeric"
    },
    "referenceMovementType": {
      "type": "string",
      "minOccurs": "1",
      "maxLength": 2,
      "enum": ["EW"],
      "pattern": "^[0-9]{12}$",
      "description": "EWAY Bill Flag",

      "required": true
    },
    "referenceMovementNumber": {
      "type": "string",
      "required": true,
      "minOccurs": "1",
      "maxLength": 35,
      "description": "EWAY Bill Number -12 digit numeric, if EW"
    },
    "referenceMovementDate": {
      "type": "string",
      "pattern": "^[0-9]{4}(0[1-9]|1[0-2])(0[1-9]|[1-2][0-9]|3[0-1])$",
      "required": true,
      "minOccurs": "1",
      "maxLength": 8,
      "description": "YYYYMMDD"
    },
    "bondNumber": {
      "type": "string",
      "minOccurs": "0",
      "maxLength": 10,
      "nullable": "true",
      "required": false
    },
    "reportingLocationCode": {
      "type": "string",
      "required": true,
      "minOccurs": "1",
      "maxLength": 15,
      "pattern": "^[a-zA-Z ]{10}([0-9]{3})$",

```

3 digit numeric"

"description": "IEC Branch Code -10 digit alphanumeric followed by

```
},
"reportingLocationName": {
  "type": "string",
  "minOccurs": "1",
  "maxLength": 35,
  "description": "Branch Location",
  "required": true
},
"nextDestinationOfUnlading": {
  "type": "string",
  "required": true,
  "minOccurs": "1",
  "maxLength": 10,
  "pattern": "([I][N])([A-Z]|[0-9]){8}$",
  "description": "Destination Custodian Code 10 digit alphanumeric,
starting with IN"
},
"transportMeansType": {
  "type": "string",
  "required": true,
  "minOccurs": "1",
  "maxLength": 1,
  "pattern": "^[a-zA-Z0-9]{1}$",
  "description": "2 = Rail, 3=Truck"
},
"transportMeansNumber": {
  "type": "string",
  "minOccurs": "1",
  "maxLength": 12,
  "Description": "Truck or Trailer number | Rail number",
  "required": true
},
"transportMeanselDType": {
  "type": "string",
  "minOccurs": "0",
  "maxLength": 4,
  "nillable": "true",
  "description": "Default Value: FT",
  "required": false
},
"transportMeanselD": {
  "type": "string",
  "minOccurs": "0",
  "maxLength": 16,
  "nillable": "true",
  "description": "RFID Tag number of vehicle",
```

```

        "required": false
    },
    "expectedTimeOfDeparture": {
        "type": "string",
        "minOccurs": "0",
        "required": false
    },
    "actualTimeOfDeparture": {
        "type": "string",
        "required": true,
        "minOccurs": "1",
        "nillable": "false",
        "pattern": "^([0-9]{4})([01-9]|1[0-2])([01-9]|1[0-2][0-9]|3[0-1])[T]([0-
1][0-9]|[2][0-3]):([0-5][0-9])$",
        "description": "Actual Time of Departure YYYYMMDDTHH:MM"
    },
    "expectedTimeOfArrival": {
        "type": "string",
        "required": true,
        "minOccurs": "1",
        "pattern": "^([0-9]{4})-([0-1][0-9])-([0-3][0-9])[T]([0-1][0-9]|[2][0-
3]):([0-5][0-9])$",
        "description": "pattern"
    },
    "actualTimeOfArrival": {
        "type": "string",
        "minOccurs": "0",
        "nillable": "true",
        "required": false
    },
    "authorisedPersonPAN": {
        "type": "string",
        "minOccurs": "1",
        "maxLength": 10,
        "required": true
    },
    "cargoContainer": {
        "type": "array",
        "nillable": "false",
        "maxOccurs": "unbounded",
        "required": true,
        "items": {
            "properties": {
                "equipmentSequenceNo": {
                    "type": "string",
                    "minOccurs": "1",
                    "maxLength": 5,
                    "required": true
                }
            }
        }
    }
}

```

```

},
"containerID": {
  "type": "string",
  "minOccurs": "1",
  "maxLength": 11,
  "required": true
},
"equipmentType": {
  "type": "string",
  "required": true,
  "minOccurs": "1",
  "maxLength": 3,
  "pattern": "^[C]$|^[B]$|^[W]$",
  "description": "C Or B Or W"
},
"equipmentSize": {
  "type": "string",
  "required": true,
  "minOccurs": "0",
  "maxLength": 4,
  "pattern": "^[a-zA-Z0-9]{4}$",
  "nillable": "true",
  "description": "4 digit alphanumeric"
},
"equipmentLoadStatus": {
  "type": "string",
  "required": true,
  "minOccurs": "1",
  "maxLength": 3,
  "pattern": "^[A-Z]{3}$",
  "description": "FCL, LCL, EMP"
},
"additionalEquipmentHold": {
  "type": "string",
  "minOccurs": "1",
  "maxLength": 256,
  "nillable": "true",
  "description": "Wagon number incase of Rail",
  "required": true
},
"finalDestinationLocation": {
  "type": "string",
  "required": true,
  "minOccurs": "1",
  "maxLength": 10,
  "pattern": "([I][N])([A-Z]|[0-9]){8}$",
  "description": "10 digit alphanumeric,

```

starting with IN"

9))[T]([0-1][0-9] | [2][0-3]):([0-5][0-9])\$",  
false

```
},  
"eventDate": {  
  "type": "string",  
  "minOccurs": "1",  
  "nillable": "false",  
  "Description": "Sealing Date",  
  "pattern": "^[0-9]{4}-([0-1][0-9])-([0-3][0-9])$",  
  "required": true,  
},  
"equipmentSealType": {  
  "type": "string",  
  "required": true,  
  "minOccurs": "1",  
  "maxLength": 5,  
  "pattern": "[A-Z]{5}$",  
  "description": "ESEAL, BTSL"  
},  
"equipmentSealNumber": {  
  "type": "string",  
  "required": true,  
  "minOccurs": "1",  
  "maxLength": 15,  
  "pattern": "[a-zA-Z0-9]{15}$",  
  "description": "alphanumeric"  
},  
"otherEquipmentID": {  
  "type": "string",  
  "minOccurs": "0",  
  "maxLength": 256,  
  "nillable": "true",  
  "required": false  
},  
"equipmentStatus": {  
  "type": "string",  
  "required": true,  
  "minOccurs": "1",  
  "maxLength": 3,  
  "pattern": "[0-9]{3}",  
  "description": "value= 127 "  
},  
"cargoDetails": {  
  "type": "array",  
  "nillable": "false",  
  "maxOccurs": "unbounded",  
  "required": true,  
  "items": {  
    "properties": {
```

"^[S][B]\$",

"([I][N])([A-Z]|[0-9]){4}\$",

digit alphanumeric, starting with IN"

3]?[0-9].[0-3]?[0-9].(?:[0-9]{2})?[0-9]{2}\$",

"pattern"

"^[P]\$|^F]\$",

```
"cargoSequenceNo": {
  "type": "string",
  "minOccurs": "1",
  "maxLength": 4,
  "nullable": "false",
  "required": true
},
"documentType": {
  "type": "string",
  "required": true,
  "minOccurs": "1",
  "maxLength": 4,
  "pattern":
    "description": "SB"
},
"documentSite": {
  "type": "string",
  "required": true,
  "minOccurs": "1",
  "maxLength": 6,
  "pattern":
    "description": "6"
},
"documentNumber": {
  "type": "string",
  "minOccurs": "1",
  "maxLength": 7,
  "required": true
},
"documentDate": {
  "type": "string",
  "required": true,
  "pattern": "^([0-
    "description":
  },
"shipmentLoadStatus": {
  "type": "string",
  "required": true,
  "minOccurs": "1",
  "maxLength": 3,
  "pattern":
```

"Value = P or F"

"^[P]\$|^L[B]\$|^D[B]\$",

"Value = P OR LB OR DB"

"description":

},  
"packageType": {  
  "type": "string",  
  "required": false,  
  "minOccurs": "0",  
  "maxLength": 2,  
  "nullable": "true",  
  "pattern":

"description":

},  
"quantity": {  
  "type": "string",  
  "minOccurs": "1",  
  "maxLength": 16,  
  "required": false

},  
"packetsFrom": {  
  "type": "string",  
  "minOccurs": "0",  
  "maxLength": 6,  
  "nullable": "true",  
  "required": false

},  
"packetsTo": {  
  "type": "string",  
  "minOccurs": "0",  
  "maxLength": 6,  
  "nullable": "true",  
  "required": false

},  
"packUQC": {  
  "type": "string",  
  "minOccurs": "1",  
  "maxLength": 3,  
  "required": true

}

}

}

}

}

}

}

}

},

```

"supportingDocuments": {
  "type": "array",
  "nillable": "true",
  "maxOccurs": "unbounded",
  "required": false,
  "items": {
    "properties": {
      "equipmentSerialNumber": {
        "type": "string",
        "minOccurs": "1",
        "maxLength": 5,
        "required": true
      },
      "cargoSerialNumber": {
        "type": "string",
        "minOccurs": "1",
        "maxLength": 4,
        "required": true
      },
      "documentSerialNumber": {
        "type": "string",
        "minOccurs": "1",
        "maxLength": 4,
        "required": true
      },
      "ICEGATEUserID": {
        "type": "string",
        "minOccurs": "1",
        "maxLength": 15,
        "nillable": "false",
        "required": true
      },
      "IRNNumber": {
        "type": "string",
        "minOccurs": "0",
        "maxLength": 14,
        "nillable": "false",
        "required": true
      },
      "documentReferenceNumber": {
        "type": "string",
        "minOccurs": "0",
        "maxLength": 17,
        "nillable": "false",
        "required": true
      },
      "documentTypeCode": {

```



```

        "type": "string",
        "minOccurs": "0",
        "maxLength": 6,
        "nillable": "false",
        "required": true
    },
    "beneficiaryCode": {
        "type": "string",
        "minOccurs": "0",
        "maxLength": 35,
        "nillable": "false",
        "required": true
    }
}
}
},
"digSign": {
    "type": "object",
    "required": true,
    "properties": {
        "startSignature": {
            "type": "string",
            "required": true,
            "minOccurs": "1",
            "description": "start Signature"
        },
        "startCertificate": {
            "type": "string",
            "required": true,
            "minOccurs": "1",
            "description": "start Certificate"
        },
        "signerVersion": {
            "type": "string",
            "required": true,
            "minOccurs": "1",
            "description": "Signer Version"
        }
    }
}
}
}

```

## B.2. IECHE01-ES - (ESeal Departure Notification) – Sample Json

```
{
  "headerField":{
    "senderID":"ICEGAT1",
    "receiverID":"INWFD6",
    "versionNo":"1.0",
    "indicator":"T",
    "messageID":"IECHE01",
    "sequenceOrControlNumber":4568,
    "date":"20190227",
    "time":"12:45",
    "reportingEvent":"ES"
  },
  "IECHE01":{
    "master":{
      "messageType":"F",
      "portOfReporting":"INWFD6",
      "jobNo":"789",
      "jobDate":"20190201",
      "reportingEvent":"ES",
      "CIMNumber":"123567",
      "CIMDate":"20190227",
      "reportingPartyType":"EXP",
      "reportingPartyCode":"0595032818",
      "referenceMovementType":"EW",
      "referenceMovementNumber":"452833325145",
      "referenceMovementDate":"20170227",
      "bondNumber":"9517475884",
      "reportingLocationCode":"IINBOM1CCU1",
      "reportingLocationName":"NEWDELHI",
      "nextDestinationOfUnlading":"INBOM1",
      "transportMeansType":"2",
      "transportMeansNumber":"MH02RT5059T",
      "transportMeanseIDType":"FT",
      "transportMeanseID":"T5U3",
      "expectedTimeOfDeparture":"20190227T10:45",
      "actualTimeOfDeparture":"20190227T11:03",
      "expectedTimeOfArrival":"20190227T12:30",
      "actualTimeOfArrival":"20190227T01:05",
      "authorisedPersonPAN":"DBCPS2230G",
      "cargoContainer":[{
        "equipmentSequenceNo":1,
        "containerID":"4324KJBN334",
        "equipmentType":"C",
        "equipmentSize":"A234",
        "equipmentLoadStatus":"FCL",
        "additionalEquipmentHold":"1",
        "finalDestinationLocation":"INBOM1",
      }
    ]
  }
}
```

```

"eventDate":"20190227",
"equipmentSealType":"ESEAL",
"equipmentSealNumber":"IBTR31112349",
"otherEquipmentID":"1",
"equipmentStatus":"127",
  "cargoDetails":
    [
      {
        "cargoSequenceNo":1,
        "documentType":"SB",
        "documentSite":"INTKD6",
        "documentNumber":1002606,
        "documentDate":"20190103",
        "shipmentLoadStatus":"P",
        "packageType":"P",
        "quantity":200,
        "packetsFrom":1,
        "packetsTo":10,
        "packUQC":"CTN"
      }
    ]
  },
{
  "equipmentSequenceNo":3,
  "containerID":"TLHU123456",
  "equipmentType":"C",
  "equipmentSize":"A234",
  "equipmentLoadStatus":"FCL",
  "additionalEquipmentHold":"127",
  "finalDestinationLocation":"INMAA12345",
  "eventDate":"20170517",
  "equipmentSealType":"ESEAL",
  "equipmentSealNumber":"12345",
  "otherEquipmentID":"12345",
  "equipmentStatus":"127",
  "cargoDetails":
    [
      {
        "cargoSequenceNo":21,
        "documentType":"SB",
        "documentSite":"INWFD6",
        "documentNumber":9419409,
        "documentDate":"20170517",
        "shipmentLoadStatus":"P",
        "packageType":"P",
        "quantity":1200,
        "packetsFrom":1,
        "packetsTo":10,
        "packUQC":"KGS"
      }
    ]
}

```

```

    ]
  }
]
  },
  "supportingDocuments":
  [{
    "equipmentSerialNumber":1,
    "cargoSerialNumber":1,
    "documentSerialNumber":1,
    "ICEGATEUserID":"ICEGAT1",
    "IRNNumber":"201901010001",
    "documentReferenceNumber":1002606,
    "documentTypeCode":"SB",
    "beneficiaryCode":"ABCD1234N"
  },
  {
    "equipmentSerialNumber":3,
    "cargoSerialNumber":21,
    "documentSerialNumber":1,
    "ICEGATEUserID":"ICEGAT1",
    "IRNNumber":"200134566",
    "documentReferenceNumber":9419409,
    "documentTypeCode":"SB",
    "beneficiaryCode":"ABCD1234Y"
  }
]}
}

```

### B.3 CHIEE01A-ES ( Eseal Departure Notification Ack. )– Json Schema

```
{
  "CHIEE01A" :
    {
      "type": "object",
      "nullable": "true",
      "minOccurs": "1",
      "required": true,
      "properties":
    {
      "master" :
        {
          "type": "object",
          "properties":
            {
              "messageType":
                {
                  "type": "string",
                  "minOccurs": "1",
                  "maxLength": 1,
                  "description": "Default value:F ",
                  "required": true
                },
              "portOfReporting":
                {
                  "type": "string",
                  "required": true,
                  "minOccurs": "1",
                  "maxLength": 6,
                  "pattern": "([!][N]|[i][n])([A-Z]|[0-9]){4}$",
                  "description": "6 digit alphanumeric, starting with IN"
                },
              "jobNo":
                {
                  "type": "string",
                  "minOccurs": "1",
                  "maxLength": 7,
                  "required": true
                },
              "jobDate":
                {
                  "type": "string",
```

```

        "required": true,
        "minOccurs": "1",
        "maxLength": 8,
        "pattern": "^[0-9]{4}(0[1-9]|1[0-2])(0[1-9]|[1-2][0-9]|3[0-1])$",
        "description": "YYYYMMDD"
    },
    "reportingEvent":
    {
        "type": "string",
        "required": true,
        "minOccurs": "1",
        "description": "Default value: EDN",
        "maxLength": 4
    },
    "CIMNumber":
    {
        "type": "string",
        "minOccurs": "0",
        "maxLength": "12",
        "required": false
    },
    "CIMDate":
    {
        "type": "string",
        "minOccurs": "0",
        "maxLength": 8,
        "required": false
    },
    "masterErrorCode" :
    {
        "type": "array",
        "nillable": "true",
        "maxOccurs": "unbounded",
        "minOccurs":1,
        "required": false,
        "items":
        {
"properties":
        {
            "pathName" :
            {
                "type": "string",
                "minOccurs": "0",
                "maxLength": 100,
                "required": false
            },
            "errorCode" :
            {

```

```

        "type": "string",
        "minOccurs": "0",
        "maxLength": 5,
        "required": false
    },
    "errorMessage": {
        "type": "string",
        "minOccurs": "0",
        "maxLength": 100,
        "required": false
    }
},
    "cargoContainer": {
        "type": "array",
        "nillable": "false",
        "maxOccurs": "unbounded",
        "required": true,
        "items": {
            "properties": {
                "equipmentSequenceNo": {
                    "type": "string",
                    "minOccurs": "1",
                    "maxLength": 5,
                    "required": true
                },
                "containerID": {
                    "type": "string",
                    "minOccurs": "1",
                    "maxLength": 11,
                    "required": true
                },
                "equipmentType": {
                    "type": "string",
                    "required": true,
                    "minOccurs": "1",
                    "maxLength": 3,
                    "pattern": "^ [C] $ | ^ [B] $ | ^ [W] $",
                    "description": "C Or B Or W"
                }
            }
        }
    }
},

```

```

        "cargoContainerErrorCode" :
    {
        "type": "array",
        "nullable": "true",
        "maxOccurs": "unbounded",
        "minOccurs": 1,
        "required": false,
        "items":
            {
"properties":
            {
                "pathName" :
            {
                "type": "string",
                "minOccurs": "0",
                "maxLength": 100,
                "required": false
            },
                "errorCode" :
            {
                "type": "string",
                "minOccurs": "0",
                "maxLength": 5,
                "required": false
            },
                "errorMessage" :
            {
                "type": "string",
                "minOccurs": "0",
                "maxLength": 100,
                "required": false
            }
            }
        }
    },
        "cargoDetails":
    {
        "type": "array",
        "nullable": "false",
        "maxOccurs": "unbounded",
        "required": true,
        "items":
            {
"properties":
            {
                "cargoSequenceNo":
            {
                "type": "string",

```



```

"minOccurs": "0",
"maxLength": 4,
"nillable": "true",
"required": false
},
    "documentType":
    {
"type": "string",
"required": true,
"minOccurs": "1",
"maxLength": 4,
"pattern": "^[S][B]$",
"description": "SB"
},
    "documentSite":
    {
"type": "string",
"required": true,
"minOccurs": "1",
"maxLength": 6,
"pattern": "([I][N]|[i][n])([a-zA-Z]|[0-9]){4}$",
"description": "6 digit alphanumeric, starting with IN"
},
    "documentNumber":
    {
"type": "string",
"minOccurs": "1",
"maxLength": 12,
"required": true
},
    "documentDate":
    {
"type": "string",
"required": true,
"pattern": "^[0-3]?[0-9].[0-3]?[0-9].(?:[0-9]{2})?[0-9]{2}$",
"description": "pattern"
},
    "cargoDetailsErrorCode" :
    {
        "type": "array",
        "nillable": "true",
        "maxOccurs": "unbounded",
        "minOccurs": 1,
        "required": false,
        "items":
        {
"properties":
        {

```



```

    {
      "type": "string",
      "minOccurs": "1",
      "maxLength": 5,
      "required": true
    },
    "cargoSerialNumber":
    {
      "type": "string",
      "minOccurs": "1",
      "maxLength": 4,
      "required": true
    },
    "documentSerialNumber":
    {
      "type": "string",
      "minOccurs": "1",
      "maxLength": 4,
      "required": true
    },
    "supportingDocumentsErrorCode" :
    {
      "type": "array",
      "nillable": "true",
      "maxOccurs": "unbounded",
      "minOccurs": 1,
      "required": false,
      "items":
      {
        "properties":
        {
          "pathName" :
          {
            "type": "string",
            "minOccurs": "0",
            "maxLength": 100,
            "required": false
          },
          "errorCode" :
          {
            "type": "string",
            "minOccurs": "0",
            "maxLength": 5,
            "required": false
          },
          "errorMessage" :
          {
            "type": "string",

```

```

"minOccurs": "0",
"maxLength": 100,
"required": false
    }
}
    }
}
}},
"digSign": {
    "type": "object",
    "required": true,
    "properties": {
        "startSignature": {
            "type": "string",
            "required": true,
            "minOccurs": "1",
            "description": "start Signature"
        },
        "startCertificate": {
            "type": "string",
            "required": true,
            "minOccurs": "1",
            "description": "start Certificate"
        },
        "signerVersion": {
            "type": "string",
            "required": true,
            "minOccurs": "1",
            "description": "Signer Version"
        }
    }
}
}
}

```

#### B.4 CHIEE01A – ES ( Eseal Departure Notification Ack.)- Sample Json

```
{
  "CHIEE01A" : {
    "master" : {
      "messageType" : "F",
      "portOfReporting" : "INWFD6",
      "jobNo" : "34565",
      "jobDate" : "2017-05-09",
      "reportingEvent" : "CSM",
      "CIMNumber" : "123",
      "CIMDate" : "2017-05-09",
      "cargoContainer" : [ {
        "containerID" : "TLHU123456",
        "equipmentType" : "C",
        "cargoDetails" : [ {
          "cargoSequenceNo" : "1234",
          "documentType" : "SB",
          "documentSite" : "INWFD6",
          "documentNumber" : "9419409",
          "documentDate" : "2017-05-09"
        } ],
        "EquipmentSequenceNo" : "12345"
      } ]
    },
    "supportingDocuments" : [ {
      "equipmentSerialNumber" : "12345",
      "cargoSerialNumber" : "1234",
      "documentSerialNumber" : "1234"
    } ]
  }
}
```

## Annexure C – List of Values :

Object Name	Description	Code
<b>Message Type</b>	Fresh	F
	Amendment	A
<b>Indicator</b>	Production	P
	Test	T
<b>Reporting Event</b>	Eseal Departure	ES
	Export Departure	ED
<b>Package Type</b>	Packaged	P
	Liquid Bulk	LB
	Dry Bulk	DB
<b>Load Status</b>	Partial	P
	Full	F
<b>EquipSealTYPE</b>	E-Seal	ESEAL
	Bottle Seal	BTSL
	Other Seal	OTH
<b>Equipment Load Status</b>	Full Container Load	FCL
	Less Container Load	LCL
	Empty	EMP
<b>Equipment Type</b>	Container	C
	Bonded Truck	B
	Wagon	W
<b>Trans Mode</b>	Rail	2
	Road	3

## Annexure D – Error Codes:

### D.1 Error Codes – Structural Validations :

S.No	Error Code	Error Code Description
1	RS001	Error in case of resubmission of same job number in a day
2	DT-012	[ISC.0082.9469] Value does not match pattern(s)
3	DT-005	[ISC.0082.9465] Value is longer than maximum length
4	NV-009	[ISC.0082.9009] Child element equipmentSerialNumber {} at position 0 is unexpected
5	NV-003	[ISC.0082.9003] Unable to locate a matching element declaration

### D.2 Error Code – Data Validations:

S.No	Error Code	Error Code Description
1	00	Success
2	01	Duplicate Records
3	02	Incorrect Party Type
4	03	Invalid Mesg Type
5	04	Invalid Reporting Event
6	05	Invalid Port of Reporting
7	06	Mandatory Field Contains Null Value
8	07	Incorrect Party Code
9	08	Incorrect Movement Type
10	09	Incorrect Movement Number Format
11	10	Invalid Location Code/Format
12	11	Invalid Next Destination Code/Format
13	12	Invalid Transport Means
14	13	Invalid Authorised Person PAN
15	14	Invalid Equipment Type
16	15	Invalid Equipment Size
17	16	Container Details Not Available
18	17	Cargo Details Not Available
19	18	Invalid Equipment Load Status
20	19	Invalid Final Destination Code/Format
21	20	Invalid Equipment Seal Type
22	21	Invalid Equipment Seal Number
23	22	Invalid Equipment Seal Status
24	23	Incorrect Document Type
25	24	CIM is Already Exists(Entity_Type+PAN) check the unique Parameter
26	25	Only Fresh Message is made online
27	26	Invalid Document Site
28	27	Invalid Shipment Load Status
29	28	Invalid Package Type
30	29	Invalid Document Reference Number

<b>31</b>	30	Doc Ref No. Should Indicate Master only
<b>32</b>	31	Doc Ref No. Should Indicate Container only
<b>33</b>	32	Doc Ref No. Should Indicate Cargo only
<b>34</b>	33	Invalid Authorised Party Code
<b>35</b>	34	Invalid Transport Mode
<b>36</b>	35	Invalid Document Type
<b>37</b>	36	No Container Details Exists for the Cargo
<b>38</b>	37	Equipment Details Already Entered
<b>39</b>	38	Authorised Person Not Registered
<b>40</b>	39	RMD Check Failed