Service Contract
Obligatory logistics envelope [ELO] – EDI

Version 1.0
État : ✔ **-** Validated

Référence : SC_EDI_ELO_v1.0.docx

Description	Service contract ELO Brexit - EDI mode
Senders/receivers	Operators/InterBrexit

Historique des modifications

Version	Latest changes	Date
1.0	First version.	13/03/2025

1. INTRODUCTION

1.1 Objectives

This document describes the exchanges between operators and the API allowing them to manage logistics envelopes. This API is intended to be used in the case of a large number of envelopes in order to facilitate mass processing.

For each service, he describes:

- The sequence;
- The nominal case and the error cases;
- messages exchanged.

The table below lists all of the use cases detailed in this document.

Use case
3.1 ELO Service "**Créer** (create)
3.2 ELO Service "**Modifier** (modifiy)
3.3 ELO Service "Récupérer **Consulter** (consult and retrieve)
3.4 ELO Information on border crossing monitoring

1.2 Useful documents

Réf. n°	Title / File Name	Description
[1]	ELO OPEN API.zip	Open API documentation (yaml files)

1.3 Glossary

Term	Definition
MRN	*Movement Reference Number*. Unique reference of declaration assigned by customs with European codification / structure.
CRN	*Customs Registration Number ;* Unique reference of Delta IE import declaration assigned by customs, with European codification / structure.
ENS	Entry summury declaration
Webservice	A computer program that enables communication and data exchange between heterogeneous applications and systems in distributed environments.
REST	REST (representational state transfer) is a software architecture style that defines a set of constraints to be used to create web services.
UC	Use Case
Identifier	Customs formality reference (MRN or other)
Échanges	Defines the exchange of data between 2 computer systems. Inbound exchanges are made from the EDI system to the Brexit IS and outbound exchanges are made from the Brexit IS to the EDI system.
GUN2	GUN2 corresponds to the ESB implemented at french custom (GUN-ESB). The Enterprise Service Bus (ESB) is a centralized software component that performs integrations between applications.

JMS	The Java Message Service (JMS) programming interface allows messages to be sent and received asynchronously between Java applications or components

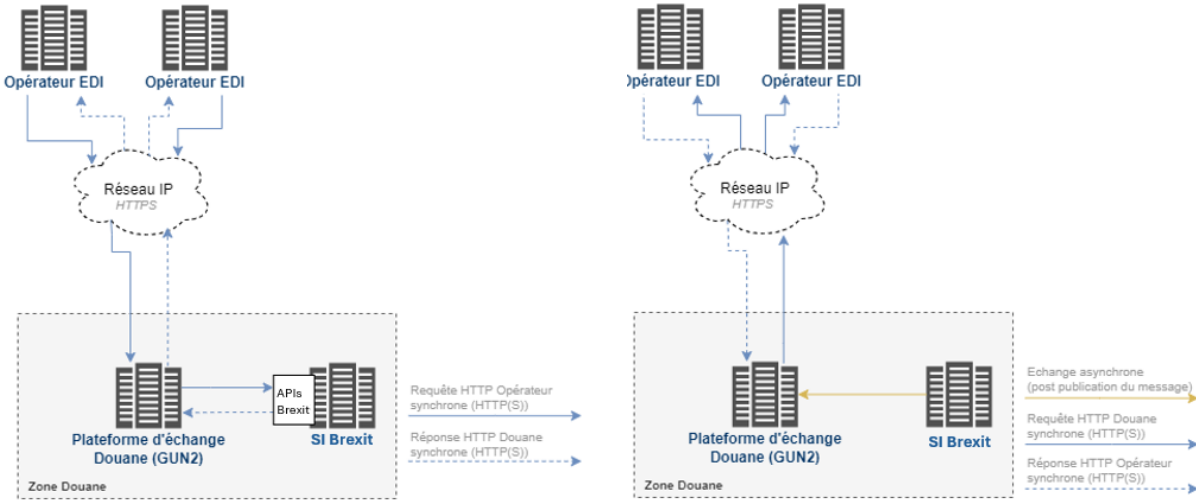
1.4 Cross-functionnal control rules

Référence	Rule Description
ENV_CTR_RG01	The format of the declaration identifier must be of the form : ▪ Import declaration Delta-G : [0-9](10) **or** ▪ Import declaration Delta-IE (CRN format) **or** ▪ Export declaration and/or transit declaration (MRN format) **or** ▪ Safety and Security Declaration (ENS). If the format of the identifier does not match any of the formats described above, then the error code FONC-ERR-04 is associated with it in the response message.
ENV_CTR_RG02	If the identifier is an MRN, the declaration type is controled. If the format of the declaration identifier is not compliant and compatible with the type of declaration (import, transit, export), then the error code FONC-ERR-04 is associated with it in the response message.
ENV_CTR_RG03	If an identifier is entered at least twice in the same message, then the error code FONC-ERR-02 is associated with all occurrences of the identifier in the reply message.
ENV_CTR_RG04	The system checks that the declaration corresponds to the crossing status (the direction of the crossing entered). If a declaration corresponds to an invalid formality for the crossing status entered, then the error code FONC-ERR-03 is associated with it in the response message.
ENV_CTR_RG05	The system checks that the declaration is not already paired to an embarked lorry. If the declaration is already paired to an embarked lorry, then the error code FONC-ERR-04 is associated with it in the response message.
ENV_CTR_RG06	If the crossing status (sens) is "Import" and the lorry type (type_unite_transport) is "PLEIN", then at least one ENS and at least one customs clearance formality (import MRN) must be present.
ENV_CTR_RG07	If the crossing status (sens) is "Import" and the lorry type (type_unite_transport) is "TIR", then at least one ENS must be present.
ENV_CTR_RG08	If the crossing status (sens) is "Export" and the lorry type (type_unite_transport) is "PLEIN", then at least one customs clearance formality (export MRN) must be present.
ENV_CTR_RG09	If the lorry type (type_unite_transport) is "VIDE", then no formalities must be included in the envelope and the flag SPS (flag_sps), fisching (flag_peche) and TIR/ATA (flag_tir_ata must be valued at ‘false’.
ENV_CTR_RG10	If the lorry type (type_unite_transport) is "PLEIN" and the crossing status (sens) is "Export" then the flag SPS (flag_sps) and fisching (flag_peche) must be valued at ‘false’.

2. GENERAL OVERVIEW

2.1 General diagram of interactions

interaction between the Brexit IS online service and the operators EDI systems



Operators (EDI) to Brexit IS **Brexit IS to operators (EDI)**

2.2 Characteristics common to all exchanges

2.2.1 Principle and channel of exchange

All exchanges (EDI operator system to the Brexit IS and vice versa) are carried out by the exchange of REST web services via the internet channel.

The publication of messages for BREXIT SI consists of calling the exposed webservices (after an authentication phase (see 2.3.7 Security)) and receiving feedback on the correct consideration of the message (HTTP code 200) or of the possible error (HTTP code 40x or 50x) (see 2.3.5 Error handling). The feedback of the correct consideration of the message confirms that the message will be handled asynchronously by BREXIT IS.

The webservices to be called are exposed on the URL **https://api.douane.gouv.fr/sibrexit/**<EndpointMessage>. Another URL may be provided for the other environments offered, for example https://apiform.douane.gouv.fr/sibrexit/<EndpointMessage> for the testing or certification environment. The URL will be specified at the time of certification testing.

For reverse exchanges, web services must also be exposed by the EDI operating systems. French Customs is in charge of calling these exposed web services. The return code management principles listed above are the same. A dedicated URL is therefore to be exposed using the HTTPS protocol : **https://< Domain of the operator defined in RIGHTS for API_BREXIT_ELO >/**<EndpointMessage>

This point requires having obtained the right to manage API accounts (douane.gouv "Correspondant entreprise") and to be authorized to the API API_BREXIT_ELO. The company correspondent will have access to space, dedicated to the administration of API accounts, in the "Correspondant entreprise" application.

Refer to the following chapters of the definition of exchanges for the full URL, including information on <EndpointMessage> (cf. ‘Endpoints’ part of the webservices exposed for each of the exchanges)

The solution for the initial configuration and update of the EDI Operator URL (URL_OPERATEUR_EDI) is being defined. *In the absence of a service that automates this update, a manual process will be set up.*

2.2.2 Exchange format

Messages exchanged between operators and the BREXIT IS (and vice versa) are carried out exclusively via HTTP webservice calls with the verb **POST**. These exchanged messages are in JSON format.

The format of the messages is defined in this document and in the technical service contract file based on the open API specification (.yaml) [1].

2.2.3 Service level

Service level	
Periode	7days/7, 24hours/24
Availability	99%
Warning period for a scheduled unavailability of the Brexit IS	Any maintenance operation will be communicated at least 3 days before its date of completion in order to allow operators to anticipate the unavailability of services.
Processing time for an exchange	< 10 seconds. It is advisable not to group more than 200 declarations in the same envelope. Beyond 200 reports, the response time is no longer guaranteed.
Maximum Allowable Data Loss	No data loss allowed (except for extended downtime on the EDI operator side)

2.2.4 Terms of use

The operator must have EDI access to Brexit IS and hold an access agreement signed with the DGDDI authorising it to use the dedicated API_BREXIT_ELO webservices.

In order to identify the company calling the webservice, a header must be present in each HTTP request. Details of this header can be found in the technical specification [1].

2.2.5 Security

2.2.5.1 EDI Operators to French customs

The security of exchanges from EDI operator systems to french customs is supported by OAuth2 authentication with encryption of all exchanges in HTTPs

The principles of authentication in OAuth2 are as follows. French Customs endpoints exposed on the Internet are secured through the use of an authentication token in the HTTP header. The Access Token is obtained via the call of a dedicated endpoint (/oauth2/token) to authenticate the EDI operating system to the frenche customs authentication server.

Service account authentication is based on the "Resource Owner Password Credentials Grant" flow of the OAuth2 specification. The resulting authentication token must then be used for its entire lifetime so

as not to unnecessarily saturate the authentication server. The endpoint /oauth2/token is therefore only to be recalled when the token has expired.

The encryption of exchanges in HTTPs must be carried out according to the protocol TLS1.x through the use of certificates (one-way). The french customs certificate is used to establish the TLS session.

Only service providers with EDI licences and certified by french customs are able to exchange information electronically.

2.2.5.2 French customs to EDI operators

The security of french customs exchanges to EDI operator systems is carried by the sending of an operator token stored in the Customs IS with encryption of all exchanges in HTTPs.

EDI operators are responsible for making technical information available to enable exchanges to their system (URL and authentication token). EDI operators must comply with the principles described in the §2.2.1 on the definition of webservice URLs and endpoints. In terms of authentication, the operator's system must verify, at each call, the validity of the authentication token positioned in the HTTP header (Authorization: Bearer).

The encryption of exchanges in HTTPs must be carried out according to the protocol TLS1.x through the use of certificates (one-way). The EDI operator server certificate is used to establish the TLS session.

3. DESCRIPTION OF THE EXCHANGES

3.1 **ELO Service "Créer"** *create*

3.1.1 Web Service Identity

Service Name	demandeCreation	
Endpoint Message IN	/enveloppe	
Endpoint Message OUT	/enveloppe/Reponses *or* /enveloppe/Erreur	
Service Version	1.0	
Purpose of the exchange	Request to create an envelope	
Method of exchange	☐ Synchrone	☒ Asynchrone
Action(s)	☐ Selection (read)	☒ Creation (add)
	☐ Update	☐ Deletion (cancel)
	☐ Other : Transmit a set of information	

3.1.2 Call to Web Service

The EDI operating system transmits to the GUN2 app (*French custom ESB*) in HTTPS request the information necessary to transmit to the ELO service to a REST API exposed with the "/envelope" endpoint.

3.1.3 Description of the exchanges

3.1.3.1 Incoming exchange (message received by BREXIT IS)

Header - **In**coming exchange (operateur -> BREXIT) - *demandeCreation*			
Name	**Cardinality**	**Format**	**Description**
messageCode	1	**ENV_CRE01**	Message code
messageId	1	UUID	Unique Message Technical ID
functionalId	1	UUID	A functional identifier to track the lifecycle across all our applications. For creation, can be the same as the correlationid. For other uses, it must be valued with the envelope number.
correlationId	0,1	UUID	Technical-functional identifier to link the operator request message with the response provided by our systems. It is an identifier in the operator's hand that will allow him to correlate the response to the request..

Body message (Payload) - **In**coming exchange (operator -> BREXIT) - *demandeCreation*			
Name	**Cardinality**	**Format**	**Description**
informationsAppairage	1		
sensTraversee	1	Alphabetic 6	Crossing status (import « ENTREE » ou export « SORTIE »)
typeCamion	1	Alphabetic 5	Lorry type (type_unite_transport) : « VIDE » ou « PLEIN »)
estTIRATA	1	Boolean	Indicator of the presence of formalities TIR or ATA (true ou false)
estSPS	1	Boolean	Indicator of the presence of sanitary and/or phytosanitary goods in the transport unit (true ou false)
estProduitPeche	1	Boolean	Indicator of the presence of fishery products in the transport unit (true ou false)
identifiantsDeclaration	0,n	Alphanumeric 18	Declaration identifier

JSON Format example body - **In**coming exchange - *demandeCreation*

```
{
  "informationsAppairage": {
    "sensTraversee": "ENTREE",
    "typeCamion": "VIDE",
    "estTIRATA": false,
    "estSPS": false,
    "estProduitPeche": false
  },
  "identifiantsDeclaration": [
  "24FR01000I2JLL0AT5",
  "24FR01000I2JLL0AT6"
  ]
}
```

3.1.3.2 Outgoing exchange for an OK response

Header - **In**coming exchange (operateur -> BREXIT) – *demandeCreation* **OK**			
Name	**Cardinality**	**Format**	**Description**
messageCode	1	ENV_CRE02	Message code
messageId	1	UUID	Unique Message Technical ID

Header - **In**coming exchange (operateur -> BREXIT) – *demandeCreation* **OK**			
Name	**Cardinality**	**Format**	**Description**
functionalId	1	UUID	A functional identifier to track the lifecycle across all our applications. For creation, can be the same as the correlationid. For other uses, it must be valued with the envelope number.
correlationId	0,1	UUID	Technical-functional identifier to link the operator request message with the response provided by our systems. It is an identifier in the operator's hand that will allow him to correlate the response to the request..

Body message (Payload) - **Out**going exchange (BREXIT -> operator) – *demandeCreation* **OK**			
Name	**Cardinality**	**Format**	**Description**
enveloppe	1		Envelope object (ELO)
jeton	1	Alphanumeric 21	envelope token
numeroDossier	1	Alphanumeric 20	Envelope file number
statut	1	Alphabetic 20	State of envelope
modeCreation	1	Alphabetic 5	« EDI » if the envelope was created in EDI
informationsAppairage	1		
sensTraversee	1	Alphabetic 6	Crossing status (import « ENTREE » ou export « SORTIE »)
typeCamion	1	Alphabetic 5	Lorry type (type_unite_transport) : « VIDE » ou « PLEIN »)
estTIRATA	1	Boolean	Indicator of the presence of formalities TIR or ATA (true ou false)
estSPS	1	Boolean	Indicator of the presence of sanitary and/or phytosanitary goods in the transport unit (true ou false)
estProduitPeche	1	Boolean	Indicator of the presence of fishery products in the transport unit (true ou false)
declarations	0,n		Déclaration(s) list
identifiant	1	Alphanumeric 18	Declaration identifier
typeDeclaration	1	Alphabetic 21	Declaration type
sousTypeDeclaration	0,1	Alphabetic 10	Declaration sub-type
informationValidation	1		
etat	1	Alphabetic 21	Declaration state
dateEnregistrement	1	DateTime	Date of registration of the declaration
nombreDeclaration	1	Numeric {4}	Number of declarations in the envelope

Body message (Payload) - **Out**going exchange (BREXIT -> operator) – *demandeCreation* **OK**			
Name	**Cardinality**	**Format**	**Description**
dateCreation	1	DateTime	Date envelope created
dateModification	1	DateTime	Date envelope modified
dateValidation	1	DateTime	Date envelope validated/closed
aUneELOValide	1	Boolean	Valid envelope indicator (true or false)
pdf	1	Byte	Pdf file

JSON Format example - **Out**going exchange - *demandeCreation* Response OK


```
{
  "ENV_CRE02" :
  {
  "enveloppe" :{
      "jeton": "EE2099023123504025684",
      "numeroDossier": "B114911102031058810E",
      "statut": "FERMEE",
      "modeCreation": "EDI",
      "informationsAppairage": {
          "sensTraversee": "ENTREE",
          "typeCamion": "VIDE",
          "estTIRATA": true,
          "estSPS": true,
          "estProduitPeche": true
          },
      "declarations": [
          {
          "identifiant": "24GB000246FP31RMJ0",
          "typeDeclaration": "IMPORT",
          "sousTypeDeclaration": "DEPART",
          "informationsValidation": {
          "etat": "CONFORME"
          },
          "dateEnregistrement": "2025-03-07T10:24:27.409"
          }
      ],
      "nombreDeclaration": 1,
      "dateCreation": "2025-03-07T10:24:27.409",
      "dateModification": "2025-03-07T10:24:28.5111389",
      "dateValidation": "2025-03-07T10:24:28.5111389",
      "aUneELOValide": true
      },
  "pdf" : {…}
  }
}
```


3.1.3.3 Outgoing exchange for a KO response

Header - **In**coming exchange (operateur -> BREXIT) – *demandeCreation* **KO**			
Name	**Cardinality**	**Format**	**Description**
messageCode	1	ENV_CRE03	Message code
messageId	1	UUID	Unique Message Technical ID
functionalId	1	UUID	A functional identifier to track the lifecycle across all our applications. For creation, can be the same as the correlationid. For other uses, it must be valued with the envelope number.
correlationId	0,1	UUID	Technical-functional identifier to link the operator request message with the response provided by our systems. It is an identifier in the operator's hand that will allow him to correlate the response to the request..

In the event that the integration of the incoming message generates at least one error, Brexit IS returns the following information in the message body :

Body message (Payload) – **Out**going exchange (BREXIT -> operator) – *demandeCreation* **KO**			
Name	**Cardinality**	**Format**	**Description**
informationsErreur	1,n		List of error(s)
numeroDossier	1	Alphanumérique 20	Envelope file number
statut	1	Alphanumérique 12	Error code
libelleErreur	1	Alphanumérique 250	Error message

JSON Format example - **Out**going exchange - *demandeCreation* Response **KO**

```
{
   "ENV_CRE03": {
      "informationsErreur": [
         {"numeroDossier": " B1149111020310588l0E",
         "statut": "FONC-ERR-006",
         "message": " Impossible de fermer l'enveloppe"}
         ]
   }
}
```

3.2 **ELO Service "Modifier"** *modify*

3.2.1 Web Service Identity

Service Name	*demandeModification*
Endpoint Message IN	/enveloppe/modifier
Endpoint Message OUT	/enveloppe/Reponses *or* /enveloppe/Erreur
Service Version	1.0

Purpose of the exchange	Request to modify an envelope	
Method of exchange	☐ Synchrone	☒ Asynchrone
Action(s)	☐ Selection (read)	☐ Creation (add)
	☒ Update	☐ Deletion (cancel)
	☐ Other : Transmit a set of information	

3.2.2 Call to Web Service

The EDI operating system transmits to the GUN2 app (*French custom ESB*) in HTTPS request the information necessary to transmit to the ELO service to a REST API exposed with the /enveloppe/modifier " endpoint.

3.2.3 Description of the exchanges

3.2.3.1 Incoming exchange (message received by BREXIT IS)

Header - **In**coming exchange (operateur -> BREXIT) - *demandeModification*			
Name	**Cardinality**	**Format**	**Description**
messageCode	1	ENV_MOD01	Message code
messageId	1	UUID	Unique Message Technical ID
functionalId	1	Alphanumeric 21	A functional identifier to track the lifecycle across all our applications. For creation, can be the same as the correlationid. For other uses, it must be valued with the **envelope number (token)**.
correlationId	0,1	UUID	Technical-functional identifier to link the operator request message with the response provided by our systems. It is an identifier in the operator's hand that will allow him to correlate the response to the request..

Body message (Payload) - **In**coming exchange (operator -> BREXIT) - *demandeModification*			
Name	**Cardinality**	**Format**	**Description**
numeroDossier	1	Alphanumeric 20	Envelope file number
informationsAppairage	1		
sensTraversee	1	Alphabetic 6	Crossing status (import « ENTREE » ou export « SORTIE »)
typeCamion	1	Alphabetic 5	Lorry type (type_unite_transport) : « VIDE » ou « PLEIN »)

Body message (Payload) - **In**coming exchange (operator -> BREXIT) - *demandeModification*			
Name	**Cardinality**	**Format**	**Description**
estTIRATA	1	Boolean	Indicator of the presence of formalities TIR or ATA (true ou false)
estSPS	1	Boolean	Indicator of the presence of sanitary and/or phytosanitary goods in the transport unit (true ou false)
estProduitPeche	1	Boolean	Indicator of the presence of fishery products in the transport unit (true ou false)
identifiantsDeclarationAAjouter	0,n	Alphanumeric 18	Identifier(s) of the declarations to be added.
identifiantsDeclarationASupprimer	0,n	Alphanumeric 18	Identifier(s) of the declarations to be deleted.

JSON Format example - **In**coming exchange - *demandeModification*


```
{
  "numeroDossier": "B1149111020310588 10E",
    "informationsAppairage": {
    "sensTraversee": "ENTREE",
    "typeCamion": "PLEIN",
    "estTIRATA": true,
    "estSPS": false,
    "estProduitPeche": false
    },
  "identifiantsDeclarationAAjouter": [
  "24FR01000I2JLL0AT5",
  ],
  "identifiantsDeclarationASupprimer": [
  "1123456789"
  ]
}
```


3.2.3.2 Outgoing exchange for an OK response

Header - **In**coming exchange (operateur -> BREXIT) – *demandeModification* **OK**			
Name	**Cardinality**	**Format**	**Description**
messageCode	1	ENV_MOD02	Message code
messageId	1	UUID	Unique Message Technical ID
functionalId	1	UUID	A functional identifier to track the lifecycle across all our applications. For creation, can be the same as the correlationid. For other uses, it must be valued with the envelope number.

Header - **In**coming exchange (operateur -> BREXIT) – *demandeModification* **OK**			
Name	**Cardinality**	**Format**	**Description**
correlationId	0,1	UUID	Technical-functional identifier to link the operator request message with the response provided by our systems. It is an identifier in the operator's hand that will allow him to correlate the response to the request.

Body message (Payload) - **Out**going exchange (BREXIT -> operator) – *demandeModification* **OK**			
Name	**Cardinality**	**Format**	**Description**
enveloppe	1		Envelope object (ELO)
jeton	1	Alphanumeric 21	envelope token
numeroDossier	1	Alphanumeric 20	Envelope file number
statut	1	Alphabetic 20	State of envelope
modeCreation	1	Alphabetic 5	« EDI » if the envelope was created in EDI
informationsAppairage	1		
sensTraversee	1	Alphabetic 6	Crossing status (import « ENTREE » ou export « SORTIE »)
typeCamion	1	Alphabetic 5	Lorry type (type_unite_transport) : « VIDE » ou « PLEIN »)
estTIRATA	1	Boolean	Indicator of the presence of formalities TIR or ATA (true ou false)
estSPS	1	Boolean	Indicator of the presence of sanitary and/or phytosanitary goods in the transport unit (true ou false)
estProduitPeche	1	Boolean	Indicator of the presence of fishery products in the transport unit (true ou false)
declarations	0,n		Déclaration(s) list
identifiant	1	Alphanumeric 18	Declaration identifier
typeDeclaration	1	Alphabetic 21	Declaration type
sousTypeDeclaration	0,1	Alphabetic 10	Declaration sub-type
informationValidation	1		
etat	1	Alphabetic 21	Declaration state
dateEnregistrement	1	DateTime	Date of registration of the declaration
nombreDeclaration	1	Numeric {4}	Number of declarations in the envelope
dateCreation	1	DateTime	Date envelope created
dateModification	1	DateTime	Date envelope modified
dateValidation	1	DateTime	Date envelope validated/closed
aUneELOValide	1	Boolean	Valid envelope indicator (true or false)

Body message (Payload) - **Out**going exchange (BREXIT -> operator) – *demandeModification* **OK**			
Name	**Cardinality**	**Format**	**Description**
pdf	1	Byte	Pdf file

JSON Format example - **Out**going exchange - *demandeModification* **OK**


```
{
  "ENV_MOD02" :
  {
  "enveloppe" :{
      "jeton": "EE2099023123504025684",
      "numeroDossier": "B114911102031058810E",
      "statut": "FERMEE",
      "modeCreation": "EDI",
      "informationsAppairage": {
          "sensTraversee": "ENTREE",
          "typeCamion": "VIDE",
          "estTIRATA": true,
          "estSPS": true,
          "estProduitPeche": true
          },
      "declarations": [
          {
          "identifiant": "24GB000246FP31RMJ0",
          "typeDeclaration": "IMPORT",
          "sousTypeDeclaration": "DEPART",
          "informationsValidation": {
          "etat": "CONFORME"
          },
          "dateEnregistrement": "2025-03-07T10:24:27.409"
          }
      ],
      "nombreDeclaration": 1,
      "dateCreation": "2025-03-07T10:24:27.409",
      "dateModification": "2025-03-07T10:24:28.5111389",
      "dateValidation": "2025-03-07T10:24:28.5111389",
      "aUneELOValide": true
      },
  "pdf" : {…}
  }
}
```


3.2.3.3 Outgoing exchange for a KO response

Header - **In**coming exchange (operateur -> BREXIT) – *demandeModification* **KO**			
Name	**Cardinality**	**Format**	**Description**
messageCode	1	ENV_MOD03	Message code
messageId	1	UUID	Unique Message Technical ID

Header - **In**coming exchange (operateur -> BREXIT) – *demandeModification* **KO**			
Name	**Cardinality**	**Format**	**Description**
functionalId	1	UUID	A functional identifier to track the lifecycle across all our applications. For creation, can be the same as the correlationid. For other uses, it must be valued with the envelope number.
correlationId	0,1	UUID	Technical-functional identifier to link the operator request message with the response provided by our systems. It is an identifier in the operator's hand that will allow him to correlate the response to the request..

In the event that the integration of the incoming message generates at least one error, Brexit IS returns the following information in the message body :

Body message (Payload) - **Out**going exchange (BREXIT -> operator) – *demandeModification* **KO**			
Name	**Cardinality**	**Format**	**Description**
informationsErreur	1		List of error(s)
numeroDossier	1	Alphanumérique 20	Envelope file number
statut	1	Alphanumérique 12	Error code
libelleErreur	1	Alphanumérique 250	Error message
enveloppe	1		Envelope object (ELO)
jeton	1	Alphanumeric 21	envelope token
numeroDossier	1	Alphanumeric 20	Envelope file number
statut	1	Alphabetic 20	State of envelope
modeCreation	1	Alphabetic 5	« EDI » if the envelope was created in EDI
informationsAppairage	1		
sensTraversee	1	Alphabetic 6	Crossing status (import « ENTREE » ou export « SORTIE »)
typeCamion	1	Alphabetic 5	Lorry type (type_unite_transport) : « VIDE » ou « PLEIN »)
estTIRATA	1	Boolean	Indicator of the presence of formalities TIR or ATA (true ou false)
estSPS	1	Boolean	Indicator of the presence of sanitary and/or phytosanitary goods in the transport unit (true ou false)
estProduitPeche	1	Boolean	Indicator of the presence of fishery products in the transport unit (true ou false)
declarations	0,n		Déclaration(s) list
identifiant	1	Alphanumeric 18	Declaration identifier

Body message (Payload) - **Out**going exchange (BREXIT -> operator) – *demandeModification* **KO**			
Name	**Cardinality**	**Format**	**Description**
typeDeclaration	1	Alphabetic 21	Declaration type
sousTypeDeclaration	0,1	Alphabetic 10	Declaration sub-type
informationValidation	1		
etat	1	Alphabetic 21	Declaration state
dateEnregistrement	1	DateTime	Date of registration of the declaration
nombreDeclaration	1	Numérique {4}	Number of declarations in the envelope
dateCreation	1	DateTime	Date envelope created
dateModification	1	DateTime	Date envelope modified
dateValidation	1	DateTime	Date envelope validated/closed
aUneELOValide	1	Booléen	Valid envelope indicator (true or false)

JSON Format example - **Out**going exchange - *demandeModifiction* Response **KO**


```
{
   "ENV_CRE03": {
      "informationsErreur": [
          {"numeroDossier": " B114911102031058810E",
          "statut": "FONC-ERR-006",
          "message": " Impossible de fermer l'enveloppe"}
          ]
      "enveloppe" :{
          "jeton": "EE2099023123504025684",
          "numeroDossier": "B114911102031058810E",
          "statut": "FERMEE",
          "modeCreation": "EDI",
          "informationsAppairage": {
          "sensTraversee": "ENTREE",
          "typeCamion": "VIDE",
          "estTIRATA": true,
          "estSPS": true,
          "estProduitPeche": true
          },
      "declarations": [
          {
          "identifiant": "24GB000246FP31RMJ0",
          "typeDeclaration": "IMPORT",
          "sousTypeDeclaration": "DEPART",
          "informationsValidation": {
          "etat": "CONFORME"
          },
          "dateEnregistrement": "2025-03-07T10:24:27.409"
          }
          ],
      "nombreDeclaration": 1,
      "dateCreation": "2025-03-07T10:24:27.409",
      "dateModification": "2025-03-07T10:24:28.5111389",
      "dateValidation": "2025-03-07T10:24:28.5111389",
      "aUneELOValide": true
```

```
    },
  }
}
```

3.3 **ELO Service "Récupérer Consulter"** *consult and retrieve*

3.3.1 Web Service Identity

Service Name	demandeRecuperation	
Endpoint Message IN	/enveloppe/recuperer	
Endpoint Message OUT	/enveloppe/Reponses *ou* /enveloppe/Erreur	
Service Version	1.0	
Purpose of the exchange	Request to consult ande retrieve an enveloppe	
Method of exchange	☐ Synchrone	☒ Asynchrone
Action(s)	☒ Selection (read)	☐ Creation (add)
	☐ Update	☐ Deletion (cancel)
	☐ Other : Transmit a set of information	

3.3.2 Call to Web Service

The EDI operating system transmits to the GUN2 app (*French custom ESB*) in HTTPS request the information necessary to transmit to the ELO service to a REST API exposed with the /enveloppe/recuperer endpoint.

3.3.3 Description of the exchanges

3.3.3.1 Incoming exchange (message received by BREXIT IS)

Header - **In**coming exchange (operateur -> BREXIT) - *demandeRecuperation*			
Name	**Cardinality**	**Format**	**Description**
messageCode	1	ENV_REC01	Message code
messageId	1	UUID	Unique Message Technical ID
functionalId	1	Alphanumeric 21	A functional identifier to track the lifecycle across all our applications. For creation, can be the same as the correlationid. For other uses, it must be valued with the **envelope number (token)**.

Header - **In**coming exchange (operateur -> BREXIT) - *demandeRecuperation*			
Name	**Cardinality**	**Format**	**Description**
correlationId	0,1	UUID	Technical-functional identifier to link the operator request message with the response provided by our systems. It is an identifier in the operator's hand that will allow him to correlate the response to the request..

Body message (Payload) - **In**coming exchange (operator -> BREXIT) - *demandeRecuperation*			
Name	**Cardinality**	**Format**	**Description**
numeroDossier	1	Alphanumeric 21	envelope token or identifier

JSON Format example - **In**coming exchange – *demandeRecuperation*


```
{
  "numeroDossier": "B1149111102031058810E",
}
```


3.3.3.2 Outgoing exchange for an OK response

Header - **In**coming exchange (operateur -> BREXIT) – *demandeRecuperation* **OK**			
Name	**Cardinality**	**Format**	**Description**
messageCode	1	ENV_REC02	Message code
messageId	1	UUID	Unique Message Technical ID
functionalId	1	UUID	A functional identifier to track the lifecycle across all our applications. For creation, can be the same as the correlationid. For other uses, it must be valued with the envelope number.
correlationId	0,1	UUID	Technical-functional identifier to link the operator request message with the response provided by our systems. It is an identifier in the operator's hand that will allow him to correlate the response to the request..

Body message (Payload) - **Out**going exchange (BREXIT -> operator) – *demandeRecuperation* **OK**			
Name	**Cardinality**	**Format**	**Description**
enveloppe	1		Envelope object (ELO)
jeton	1	Alphanumeric 21	envelope token
numeroDossier	1	Alphanumeric 20	Envelope file number
statut	1	Alphabetic 20	State of envelope

Body message (Payload) - **Out**going exchange (BREXIT -> operator) – *demandeRecuperation* **OK**			
Name	**Cardinality**	**Format**	**Description**
modeCreation	1	Alphabetic 5	« EDI » if the envelope was created in EDI
informationsAppairage	1		
sensTraversee	1	Alphabetic 6	Crossing status (import « ENTREE » ou export « SORTIE »)
typeCamion	1	Alphabetic 5	Lorry type (type_unite_transport) : « VIDE » ou « PLEIN »)
estTIRATA	1	Boolean	Indicator of the presence of formalities TIR or ATA (true ou false)
estSPS	1	Boolean	Indicator of the presence of sanitary and/or phytosanitary goods in the transport unit (true ou false)
estProduitPeche	1	Boolean	Indicator of the presence of fishery products in the transport unit (true ou false)
declarations	0,n		Déclaration(s) list
identifiant	1	Alphanumeric 18	Declaration identifier
typeDeclaration	1	Alphabetic 21	Declaration type
sousTypeDeclaration	0,1	Alphabetic 10	Declaration sub-type
informationValidation	1		
etat	1	Alphabetic 21	Declaration state
dateEnregistrement	1	DateTime	Date of registration of the declaration
nombreDeclaration	1	Numeric {4}	Number of declarations in the envelope
dateCreation	1	DateTime	Date envelope created
dateModification	1	DateTime	Date envelope modified
dateValidation	1	DateTime	Date envelope validated/closed
aUneELOValide	1	Boolean	Valid envelope indicator (true or false)
pdf	1	Byte	Pdf file

JSON Format example - **Out**going exchange - *demandeRecuperation* **OK**


```
{
  "ENV_REC02" :
  {
  "enveloppe" :{
      "jeton": "EE2099023123504025684",
      "numeroDossier": "B114911102031058810E",
      "statut": "FERMEE",
      "modeCreation": "EDI",
      "informationsAppairage": {
          "sensTraversee": "ENTREE",
          "typeCamion": "VIDE",
          "estTIRATA": true,
          "estSPS": true,
```

```
            "estProduitPeche": true
            },
        "declarations": [
            {
            "identifiant": "24GB000246FP31RMJ0",
            "typeDeclaration": "IMPORT",
            "sousTypeDeclaration": "DEPART",
            "informationsValidation": {
            "etat": "CONFORME"
            },
            "dateEnregistrement": "2025-03-07T10:24:27.409"
            }
        ],
        "nombreDeclaration": 1,
        "dateCreation": "2025-03-07T10:24:27.409",
        "dateModification": "2025-03-07T10:24:28.5111389",
        "dateValidation": "2025-03-07T10:24:28.5111389",
        "aUneELOValide": true
        },
    "pdf" : {…}
    }
}
```


3.3.3.3 Outgoing exchange for a KO response

Header - **In**coming exchange (operateur -> BREXIT) – *demandeRecuperation* **KO**			
Name	**Cardinality**	**Format**	**Description**
messageCode	1	ENV_REC03	Message code
messageId	1	UUID	Unique Message Technical ID
functionalId	1	UUID	A functional identifier to track the lifecycle across all our applications. For creation, can be the same as the correlationid. For other uses, it must be valued with the envelope number.
correlationId	0,1	UUID	Technical-functional identifier to link the operator request message with the response provided by our systems. It is an identifier in the operator's hand that will allow him to correlate the response to the request..

In the event that the integration of the incoming message generates at least one error, Brexit IS returns the following information in the message body :

Body message (Payload) – **Out**going exchange (BREXIT -> operator) – *demandeRecuperation* **KO**			
Name	**Cardinality**	**Format**	**Description**
informationsErreur	1,n		List of error(s)
numeroDossier	1	Alphanumérique 20	Envelope file number
statut	1	Alphanumérique 12	Error code
libelleErreur	1	Alphanumérique 250	Error message

JSON Format example - **Out**going exchange - *demandeRecuperation* Response **KO**


```
{
   "ENV_REC03": {
      "informationsErreur": [
         {"numeroDossier": " B114911102031058810E",
         "statut": "FONC-ERR-001",
         "message": " Enveloppe non trouvée."}
         ]
   }
}
```


3.4 **ELO** Information on border crossing monitoring

It is not a service. There is no call but notifications are pushed to you to follow the main stages of the passage of goods at the border. It is in no way a question of information on customs status or controls, but simply of knowing whether the goods are paired (arrived at the port and registered by a crossing company), embarked or disembarked.

3.4.1 Web Service Identity

Service Name	*notifierStatutEnveloppe*	
Endpoint Message IN	/	
Endpoint Message OUT	/enveloppe/Reponses	
Service Version	1.0	
Purpose of the exchange	Message automatically generated during the following events of the ELO life cycle : pairing, boarding, disembarkation (import only for disembarkation the Brexit SI does not have the information in the direction of France to UK).	
Method of exchange	☐ Synchrone	☒ Asynchrone
Action(s)	☐ Selection (read)	☐ Creation (add)
	☐ Update	☐ Deletion (cancel)
	☒ Other : Transmit a set of information	

3.4.2 Call to Web Service

None, notification automatically generated by the Brexit IS. The EDI operating system receives the notification from GUN2 app (french custom ESB) in HTTPS on the URL it specified.

3.4.3 Description of the exchanges

3.4.3.1 Incoming exchange (message received by BREXIT IS)

None

3.4.3.2 Outgoing exchange

Header - **In**coming exchange (operateur -> BREXIT) – *notifierStatutEnveloppe* **OK**			
Name	**Cardinality**	**Format**	**Description**
messageCode	1	ENV_NOT01	Message code
messageId	1	UUID	Unique Message Technical ID
functionalId	1	UUID	A functional identifier to track the lifecycle across all our applications. For creation, can be the same as the correlationid. For other uses, it must be valued with the envelope number.
correlationId	0,1	UUID	Technical-functional identifier to link the operator request message with the response provided by our systems. It is an identifier in the operator's hand that will allow him to correlate the response to the request..

Body message (Payload) - **Out**going exchange (BREXIT -> operator) – *notifierStatutEnveloppe* **OK**			
Name	**Cardinality**	**Format**	**Description**
evenement	1	Alphabetic 12	Event of the transport unit to which ELO was associated
enveloppe	1		Envelope object (ELO)
jeton	1	Alphanumeric 21	envelope token
numeroDossier	1	Alphanumeric 20	Envelope file number
statut	1	Alphabetic 20	State of envelope
modeCreation	1	Alphabetic 5	« EDI » if the envelope was created in EDI
informationsAppairage	1		
sensTraversee	1	Alphabetic 6	Crossing status (import « ENTREE » ou export « SORTIE »)
typeCamion	1	Alphabetic 5	Lorry type (type_unite_transport) : « VIDE » ou « PLEIN »)
estTIRATA	1	Boolean	Indicator of the presence of formalities TIR or ATA (true ou false)
estSPS	1	Boolean	Indicator of the presence of sanitary and/or phytosanitary goods in the transport unit (true ou false)
estProduitPeche	1	Boolean	Indicator of the presence of fishery products in the transport unit (true ou false)
declarations	0,n		Déclaration(s) list
identifiant	1	Alphanumeric 18	Declaration identifier
typeDeclaration	1	Alphabetic 21	Declaration type
sousTypeDeclaration	0,1	Alphabetic 10	Declaration sub-type
informationValidation	1		

Body message (Payload) - **Out**going exchange (BREXIT -> operator) – *notifierStatutEnveloppe* **OK**			
Name	**Cardinality**	**Format**	**Description**
etat	1	Alphabetic 21	Declaration state
dateEnregistrement	1	DateTime	Date of registration of the declaration
nombreDeclaration	1	Numeric {4}	Number of declarations in the envelope
dateCreation	1	DateTime	Date envelope created
dateModification	1	DateTime	Date envelope modified
dateValidation	1	DateTime	Date envelope validated/closed
aUneELOValide	1	Boolean	Valid envelope indicator (true or false)

JSON Format example - **Out**going exchange - *demandeRecuperation* **OK**


```
{
  "ENV_NOT01" :
  {
  "evenement" : "APPAIRAGE",
  "enveloppe" :{
      "jeton": "EE2099023123504025684",
      "numeroDossier": "B114911102031058810E",
      "statut": "FERMEE",
      "modeCreation": "EDI",
      "informationsAppairage": {
          "sensTraversee": "ENTREE",
          "typeCamion": "VIDE",
          "estTIRATA": true,
          "estSPS": true,
          "estProduitPeche": true
          },
      "declarations": [
          {
          "identifiant": "24GB000246FP31RMJ0",
          "typeDeclaration": "IMPORT",
          "sousTypeDeclaration": "DEPART",
          "informationsValidation": {
          "etat": "CONFORME"
          },
          "dateEnregistrement": "2025-03-07T10:24:27.409"
          }
      ],
      "nombreDeclaration": 1,
      "dateCreation": "2025-03-07T10:24:27.409",
      "dateModification": "2025-03-07T10:24:28.5111389",
      "dateValidation": "2025-03-07T10:24:28.5111389",
      "aUneELOValide": true
      },
  }
}
```

4. LIST OF ERRORS

4.1 Technical errors

Error code	Error label	Description
200	Success	Successful processing of the EDI operator message
500	API technical error	API Technical Error
401 ou 403	authentication error	Missing or wrong authentication token
400	Functionnal error	Functional error on data received from EDI operator

4.2 Functionnal errors

Error code	Functional case	Creat.	Modif.	Recup.
FONC-ERR-001	No declaration identifier is entered.	X	X	X
FONC-ERR-002	Declaration(s) not accepted	X	X	
FONC-ERR-003	Declaration not compatible with the direction of crossing.	X	X	
FONC-ERR-004	Unable to close the envelope.	X	X	
FONC-ERR-005	Error Processing Message.	X	X	
FONC-ERR-006	Declaration not found for envelope.		X	
FONC-ERR-007	Declaration already exists for the envelope.		X	