



Service Contract Obligatory logistics envelope [ELO] – EDI

Version 1.1

Status : - Validated

Reference : ELO_CDS_EDI_EN_v1.1.docx

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

Versions and changes

Version	Latest changes	Date
1.1	Outgoing JMS header: ▪ corection of the case (upper to lower) on messageid functionalid, correlationid, messagecode. ▪ corection value sensTraversee 'EXPORT' instead of 'SORTIE' and 'IMPORT' instead of 'ENTREE'.	16/06/2025
1.0	First version.	13/03/2025

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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 (modify)
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	<i>Movement Reference Number</i> . Unique reference of declaration assigned by customs with European codification / structure.
CRN	<i>Customs Registration Number</i> ; Unique reference of Delta IE import declaration assigned by customs, with European codification / structure.
ENS	Entry summary 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.

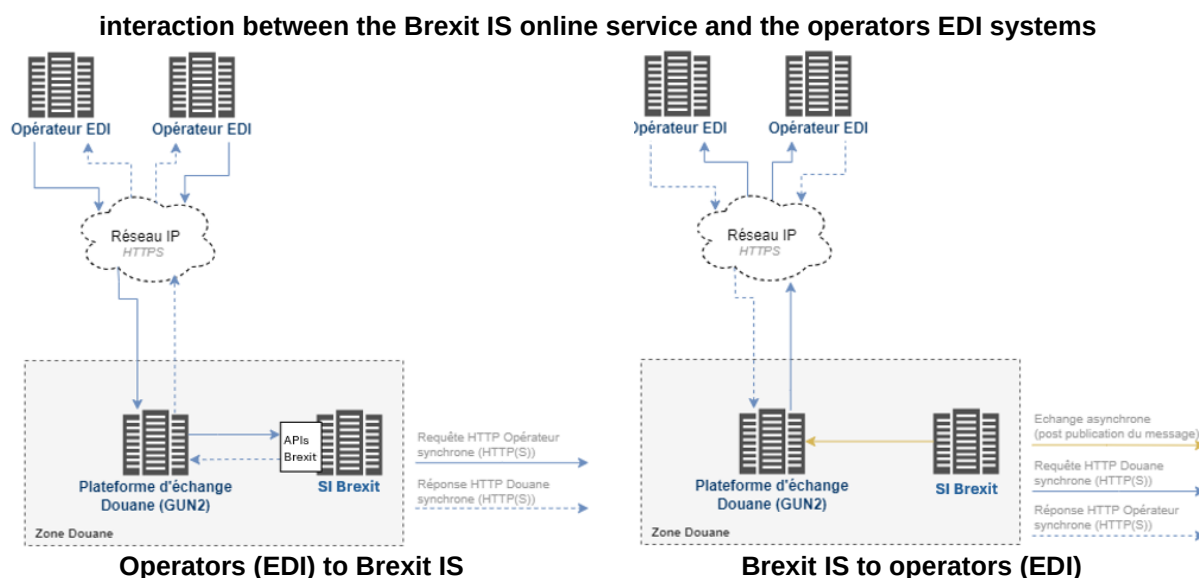
JMS	The Java Message Service (JMS) programming interface allows messages to be sent and received asynchronously between Java applications or components
-----	---

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) <u>or</u> - Import declaration Delta-IE (CRN format) <u>or</u> - Export declaration and/or transit declaration (MRN format) <u>or</u> - 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), fishing (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 fishing (flag_peche) must be valued at 'false'.

2. GENERAL OVERVIEW

2.1 General diagram of interactions



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 french 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 “Cr  er” 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 - Incoming exchange (opérateur -> 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) - Incoming exchange (operator -> BREXIT) - <i>demandeCreation</i>			
Name	Cardinality	Format	Description
informationsAppairage	1		
sensTraversee	1	Alphabetic 6	Crossing status (« IMPORT » or « EXPORT »)
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)
estProduitPêche	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 - Incoming exchange - *demandeCreation*

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

3.1.3.2 Outgoing exchange for an OK response

Header - Incoming exchange (opérateur -> BREXIT) – <i>demandeCreation OK</i>			
Name	Cardinality	Format	Description
Authorization	1	UUID	Token operator known by the customs IS (the one you entered in your technical account API with your callback URL)
messagecode	1	ENV_CRE02	Message code
messageid	1	UUID	Unique Message Technical ID

Header - Incoming exchange (opérateur -> 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) - Outgoing 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 » or « EXPORT »)
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)
estProduitPêche	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) - Outgoing exchange (BREXIT -> operator) – <i>demandeCreation</i> OK			
Name	Cardinality	Format	Description
dateCreation	1	DateTime	Date envelope created
dateModification	1	DateTime	Date envelope modified
dateValidation	1	DateTime	Date envelope validated/closed
pdf	1	Byte	Content of the pdf

JSON Format example - **Outgoing** exchange - *demandeCreation* Response OK

```
{
  "enveloppe" :{
    "jeton": "EE2099023123504025684",
    "numeroDossier": "B114911102031058810E",
    "statut": "FERMEE",
    "modeCreation": "EDI",
    "informationsAppairage": {
      "sensTraversee": "IMPORT",
      "typeCamion": "VIDE",
      "estTIRATA": true,
      "estSPS": true,
      "estProduitPêche": 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",
  },
  "pdf" : {...}
}
```

3.1.3.3 Outgoing exchange for a KO response

Header - Incoming exchange (opérateur -> BREXIT) – <i>demandeCreation KO</i>			
Name	Cardinality	Format	Description
Authorization	1	UUID	Token operator known by the customs IS (the one you entered in your technical account API with your callback URL)
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) – Outgoing exchange (BREXIT -> operator) – <i>demandeCreation KO</i>			
Name	Cardinality	Format	Description
informationsErreur	1,n		List of error(s)
statut	1	Alphanumérique 12	Error code
libelleErreur	1	Alphanumérique 250	Error message



JSON Format example - **Outgoing** exchange - *demandeCreation* Response **KO**

```
{
  "informationsErreur": {
    "statut": "TECH-ERR-002",
    "libelleErreur": "Le type de déclaration avec identifiant 25FR111 est incorrect ou n'est pas géré par l'application."
  }
}
```

3.2 ELO Service “Modifier” *modify*

3.2.1 Web Service Identity

Service Name	<i>demandeModification</i>
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 - Incoming exchange (opérateur -> 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) - Incoming exchange (operator -> BREXIT) - demandeModification			
Name	Cardinality	Format	Description
numeroDossier	1	Alphanumeric 20	Envelope file number
informationsAppairage	1		
sensTraversee	1	Alphabetic 6	Crossing status (« IMPORT » or « EXPORT »)
typeCamion	1	Alphabetic 5	Lorry type (type_unite_transport) : « VIDE » ou « PLEIN »)

Body message (Payload) - Incoming exchange (operator -> BREXIT) - <i>demandeModification</i>				
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)	
estProduitPêche	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 - Incoming exchange - *demandeModification*

```
{
  "numeroDossier": "B114911102031058810E",
  "informationsAppairage": {
    "sensTraversee": "IMPORT",
    "typeCamion": "PLEIN",
    "estTIRATA": true,
    "estSPS": false,
    "estProduitPêche": false
  },
  "identifiantsDeclarationAAjouter": [
    "24FR01000I2JLL0AT5",
  ],
  "identifiantsDeclarationASupprimer": [
    "1123456789"
  ]
}
```

3.2.3.2 Outgoing exchange for an OK response

Header - Outgoing exchange (opérateur -> BREXIT) – <i>demandeModification OK</i>			
Name	Cardinality	Format	Description
Authorization	1	UUID	Token operator known by the customs IS (the one you entered in your technical account API with your callback URL)
messagecode	1	ENV_MOD02	Message code
messageid	1	UUID	Unique Message Technical ID

Header - Outgoing exchange (opérateur -> BREXIT) – demandeModification 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) - Outgoing 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 » or « EXPORT »)
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)
estProduitPêche	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) - Outgoing exchange (BREXIT -> operator) – <i>demandeModification OK</i>			
Name	Cardinality	Format	Description
dateCreation	1	DateTime	Date envelope created
dateModification	1	DateTime	Date envelope modified
dateValidation	1	DateTime	Date envelope validated/closed
pdf	1	Byte	Content of the pdf

JSON Format example - **Outgoing exchange** - *demandeModification OK*

```
{
  "enveloppe" :{
    "jeton": "EE2099023123504025684",
    "numeroDossier": "B114911102031058810E",
    "statut": "FERMEE",
    "modeCreation": "EDI",
    "informationsAppairage": {
      "sensTraversee": "IMPORT",
      "typeCamion": "VIDE",
      "estTIRATA": true,
      "estSPS": true,
      "estProduitPêche": 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",
  },
  "pdf" : {...}
}
```

3.2.3.3 Outgoing exchange for a KO response

Header - Outgoing exchange (opérateur -> BREXIT) – <i>demandeModification KO</i>			
Name	Cardinality	Format	Description
Authorization	1	UUID	Token operator known by the customs IS (the one you entered in your technical account API with your callback URL)
messagecode	1	ENV_MOD03	Message code

Header - Outgoing exchange (opérateur -> BREXIT) – <i>demandeModification KO</i>			
Name	Cardinality	Format	Description
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) - Outgoing exchange (BREXIT -> operator) – <i>demandeModification KO</i>			
Name	Cardinality	Format	Description
informationsErreur	1		List of error(s)
statut	1	Alphanumérique 12	Error code
libelleErreur	1	Alphanumérique 250	Error message



JSON Format example - Outgoing exchange - *demandeModification* Response **KO**

```
{
  "informationsErreur": {
    "statut": " FONC-ERR-004",
    "libelleErreur": " Impossible de fermer l'enveloppe B2025062013012511527. Code erreur UCENV_CTR_RG01: Si le sens de l'enveloppe vaut « Import » et que le type du camion vaut « Plein », alors au moins une ENS et au moins une formalité de dédouanement doivent être renseignées."
  }
}
```

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 <i>ou</i> /enveloppe/Erreur
Service Version	1.0

Purpose of the exchange	Request to consult and retrieve an envelope	
Method of exchange	☐ Synchrones	☒ 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 - Incoming exchange (opérateur -> BREXIT) - <i>demandeRecuperation</i>			
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) .
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) - Incoming exchange (operator -> BREXIT) - <i>demandeRecuperation</i>			
Name	Cardinality	Format	Description
numeroDossier	1	Alphanumeric 21	envelope token or identifier



JSON Format example - Incoming exchange – *demandeRecuperation*

```
{
  "numeroDossier": "B114911102031058810E",
}
```

3.3.3.2 Outgoing exchange for an OK response

Header - Outgoing exchange (opérateur -> BREXIT) – <i>demandeRecuperation OK</i>			
Name	Cardinality	Format	Description
Authorization	1	UUID	Token operator known by the customs IS (the one you entered in your technical account API with your callback URL)
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) - Outgoing exchange (BREXIT -> operator) – <i>demandeRecuperation OK</i>			
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 » or « EXPORT »)
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)
estProduitPêche	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) - Outgoing exchange (BREXIT -> operator) – <i>demandeRecuperation OK</i>				
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	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	
pdf	1	Byte	Content of the pdf	

JSON Format example - **Outgoing exchange** - *demandeRecuperation OK*

```

{
  "enveloppe" :{
    "jeton": "EE2099023123504025684",
    "numeroDossier": "B114911102031058810E",
    "statut": "FERMEE",
    "modeCreation": "EDI",
    "informationsAppairage": {
      "sensTraversee": "IMPORT",
      "typeCamion": "VIDE",
      "estTIRATA": true,
      "estSPS": true,
      "estProduitPêche": true
    },
    "declarations": [
      {
        "identifiant": "24GB000246FP31RMJ0",
        "typeDeclaration": "IMPORT",
        "sousTypeDeclaration": "DEPART",
        "informationValidation": {
          "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",
  },
  "pdf" : {...}
}

```

3.3.3.3 Outgoing exchange for a KO response

Header - Outgoing exchange (opérateur -> BREXIT) – <i>demandeRecuperation KO</i>			
Name	Cardinality	Format	Description
Authorization	1	UUID	Token operator known by the customs IS (the one you entered in your technical account API with your callback URL)
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) – Outgoing exchange (BREXIT -> operator) – <i>demandeRecuperation KO</i>			
Name	Cardinality	Format	Description
informationsErreur	1,n		List of error(s)
statut	1	Alphanumérique 12	Error code
libelleErreur	1	Alphanumérique 250	Error message



JSON Format example - **Outgoing exchange** - *demandeRecuperation Response KO*

```
{
  "informationsErreur": {
    "statut": "FONC-ERR-001",
    "libelleErreur": " 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	<i>notifierStatutEnveloppe</i>
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 - Outgoing exchange (opérateur -> BREXIT) – <i>notifierStatutEnveloppe OK</i>			
Name	Cardinality	Format	Description
Authorization	1	UUID	Token operator known by the customs IS (the one you entered in your technical account API with your callback URL)
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) - Outgoing exchange (BREXIT -> operator) – notifierStatutEnvelope 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 » or « EXPORT »)
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)
estProduitPêche	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

**JSON Format example - Outgoing exchange - demandeRecuperation OK**

```
{
  "evenement": "APPAIRAGE",
  "enveloppe": {
    "jeton": "EE2099023123504025684",
    "numeroDossier": "B114911102031058810E",
    "statut": "FERMEE",
    "modeCreation": "EDI",
```

```
"informationsAppairage": {
  "sensTraversee": "IMPORT",
  "typeCamion": "VIDE",
  "estTIRATA": true,
  "estSPS": true,
  "estProduitPêche": 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",
}
```


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	

4.3 Informations validation

Code	Wording
ENV_E03_MSG01	Aucune ELO ne correspond à vos critères de filtre. <i>No ELO matches your filter criteria.</i>
ENV_E03_MSG02	Une ELO pour camion plein (hors régime TIR/ATA) doit contenir a minima une ENS et une formalité de dédouanement (déclaration d'import ou de transit). <i>An ELO for a full lorry (excluding TIR/ATA regime) must contain at least an ENS and a customs clearance formality (import or transit declaration).</i>
ENV_E03_MSG03	Une ELO pour camion plein (régime TIR/ATA) doit contenir a minima une ENS (avec possibilité d'ajouter des formalités de dédouanement) <i>An ELO for a loaded lorry (TIR/ATA regime) must contain at least one ENS (with the possibility of adding customs clearance formalities).</i>
ENV_E03_MSG04	Une ELO pour camion plein (hors régime TIR/ATA) doit contenir a minima une formalité de dédouanement (déclaration d'export ou de transit). <i>An ELO for a full lorry (excluding TIR/ATA regime) must contain at least a customs clearance formality (export or transit declaration).</i>
ENV_E03_MSG05	Format de déclaration incorrect <i>Incorrect declaration format</i>
ENV_E03_MSG06	Ce type de déclaration n'est pas accepté dans le SI Brexit. <i>This type of declaration is not accepted by the SI Brexit</i>

Code	Wording
ENV_E03_MSG07	Ce type de déclaration n'est pas cohérent avec le sens de la traversée <i>This type of declaration is not consistent with the meaning of the crossing</i>
ENV_E03_MSG08	Cette déclaration a déjà été ajoutée à l'ELO <i>This declaration is already added</i>
ENV_E03_MSG09	Cette formalité douanière a déjà fait l'objet d'une traversée, elle ne peut être de nouveau appairée. <i>This customs formality has already been crossed, it cannot be paired again</i>
ENV_E03_MSG10	La déclaration est déjà présente dans une autre ELO <i>This declaration is already added in another of yours ELO.</i>
ENV_E03_MSG11	Aucune déclaration n'a été trouvée. <i>No declaration was found</i>
ENV_E03_MSG12	Attention ! Votre ELO a été modifiée de camion plein à vide et ne doit pas contenir de déclaration. En cas de confirmation de la modification, l'ensemble des données et déclarations rattachées à cette enveloppe sera supprimé. <i>Warning ! Your ELO has been changed from loaded to empty truck and must not contain a declaration. If the modification is confirmed, all data and declarations attached to this ELO will be deleted.</i>
ENV_E03_MSG13	Attention ! Votre ELO a été modifiée de camion vide à plein (hors régime TIR/ATA) et doit contenir a minima une ENS et une formalité de dédouanement (déclaration d'import ou de transit). <i>Warning ! Your ELO has been changed from empty to loaded truck (excluding TIR/ATA regime) and must at least one ENS and a customs clearance formality (import or transit declaration).</i>
ENV_E03_MSG14	Attention ! Votre ELO a été modifiée de camion plein avec régime TIR/ATA à plein hors régime TIR/ATA et doit contenir a minima une ENS et une formalité de dédouanement (déclaration d'import ou de transit). <i>Warning ! Your ELO has been changed from loaded lorry with TIR/ATA regime to full outside TIR/ATA regime and must contain at least one one ENS and a customs clearance formality (import or transit declaration).</i>
ENV_E03_MSG15	Attention ! Votre ELO a été modifiée de camion vide à plein (régime TIR/ATA) et doit contenir une ENS (avec possibilité d'ajouter des formalités de dédouanement). <i>Warning ! Your ELO has been changed from empty to loaded truck (TIR/ATA regime) and must at least one ENS (with the possibility of adding customs clearance formalities).</i>
ENV_E03_MSG16	Attention ! Votre ELO a été modifiée de camion vide à plein (hors régime TIR/ATA) et doit contenir a minima une formalité de dédouanement (déclaration d'export ou de transit). <i>Warning ! Your ELO has been changed from empty to loaded truck (excluding TIR/ATA regime) and must contain at least a customs clearance formality (export or transit declaration).</i>
ENV_E03_MSG17	Attention ! Votre ELO a été modifiée de camion plein avec régime TIR/ATA à plein hors régime TIR/ATA et doit contenir a minima une formalité de dédouanement (déclaration d'export ou de transit). <i>Warning ! Your ELO has been changed from loaded lorry with TIR/ATA regime to full outside TIR/ATA regime and must contain at least one customs clearance formality (export or transit declaration)..</i>
ENV_E03_MSG18	Votre ELO est en cours de fermeture. Les modifications sont momentanément suspendues. <i>Your ELO is currently being validated. Changes are temporarily suspended.</i>
ENV_E03_MSG20	L'ENS est inconnue. <i>ENS is unknown.</i>

Code	Wording
ENV_E03_MSG21	L'ENS a été invalidée. <i>The ENS has been invalidated.</i>
ENV_E03_MSG22	L'ENS est au statut « arrivée ». <i>The ENS is in "arrival" status.</i>
ENV_E03_MSG23	L'ENS est au statut « présentée ». <i>The ENS has "presented" status.</i>
ENV_E03_MSG24	Les marchandises ont fait l'objet d'une interdiction de chargement. <i>The goods were prohibited from loading.</i>
ENV_E03_MSG25	Le mode de transport de l'ENS ne correspond pas à une traversée transmanche (maritime ou routière). <i>The ENS mode of transport does not correspond to a cross-Channel crossing (sea or road).</i>
ENV_E03_MSG26	La déclaration est inconnue de Delta T <i>The declaration is unknown to Delta T.</i>
ENV_E03_MSG27	La déclaration est inconnue de Delta G <i>The declaration is unknown to Delta G.</i>
ENV_E03_MSG28	La déclaration est inconnue de Delta I <i>The declaration is unknown to Delta I.</i>
ENV_E03_MSG29	La déclaration est inconnue d'ECS <i>The declaration is unknown to ECS.</i>
ENV_E03_MSG30	La déclaration est dans un état incompatible dans Delta I <i>The declaration is in an incompatible state in Delta I.</i>
ENV_E03_MSG31	Attention : Cette déclaration ne comporte pas de bureau de passage français <i>Warning ! This declaration does not include a French transit office</i>
ENV_E03_MSG32	Attention : Cette déclaration ne comporte pas de bureau de sortie français <i>Warning ! his declaration does not include a French exit office</i>
ENV_E03_MSG33	La déclaration est inconnue de SDS <i>The declaration is unknown to SDS.</i>
ENV_E03_MSG34	Vous ne pouvez que saisir les ENS créées dans ICS2 <i>You can only enter the ENS created in ICS2</i>