О вопросах подписания Протокола об электронном обмене информацией между Евразийским экономическим союзом и его государствами-членами, с одной стороны, и Социалистической Республикой Вьетнам, с другой стороны, в рамках электронной системы сертификации и верификации происхождения товаров

Решение Высшего Евразийского экономического совета от 8 мая 2024 года № 6.

Руководствуясь абзацем первым пункта 2 статьи 7 Договора о Евразийском экономическом союзе от 29 мая 2014 года, статьей 10 Соглашения о международных договорах Евразийского экономического союза с третьими государствами, международными организациями или международными интеграционными объединениями от 14 мая 2018 года и пунктом 6 Положения о Евразийской экономической комиссии (приложение № 1 к Договору о Евразийском экономическом союзе от 29 мая 2014 года), Высший Евразийский экономический совет решил:

1. Одобрить проект Протокола об электронном обмене информацией между Евразийским экономическим союзом и его государствами-членами, с одной стороны, и Социалистической Республикой Вьетнам, с другой стороны, в рамках электронной системы сертификации и верификации происхождения товаров (прилагается).

2. Поручить члену Коллегии (Министру) по торговле Евразийской экономической комиссии Слепневу А.А. подписать указанный в пункте 1 настоящего Решения Протокол от имени Евразийского экономического союза после завершения государствами - членами Евразийского экономического союза необходимых внутригосударственных процедур, разрешив в случае необходимости вносить в прилагаемый проект изменения, не имеющие принципиального характера.

3. Настоящее Решение вступает в силу с даты его официального опубликования.

Члены Высшего Евразийского экономического совета:

От Республики Армения	От Республики Беларусь	От Республики Казахстан	От Кыркызской Республики	От Российской Федерации

Draft

PROTOCOL

on electronic information exchange between the Eurasian Economic Union and its Member States, of the one part, and the Socialist Republic of Viet Nam, of the other part, within the Electronic Origin Certification and Verification System

The Governments of the Member States of the Eurasian Economic Union (hereinafter referred to as "the EAEU Member States") and the Eurasian Economic Union, of the one part, and the Government of the Socialist Republic of Viet Nam (hereinafter referred to as "Viet Nam"), of the other part (hereinafter referred to as "the Parties"):

Recalling Article 4.29 (Development and Implementation of Electronic Origin Certification and Verification System) of the Free Trade Agreement between the Eurasian Economic Union and its Member States, of the one part, and the Socialist Republic of Viet Nam, of the other part, on 29 May 2015;

Welcoming the reduction of the costs relating to the documentary proof of origin used for the purposes of application of tariff preferences;

Aiming at simplifying the procedures and reducing the time for the application of tariff preferences; and

Desiring to strengthen cooperation between the customs authorities and the bodies and organisations authorised to issue certificates of origin of the Parties,

HAVE AGREED as follows:

Article 1
Definitions

For the purposes of this Protocol:

"Authorised Body" means a body or an organisation authorised by the EAEU Member State or by Viet Nam to issue a certificate of origin, generate and maintain information resources containing information on issued certificates of origin, and to provide information on certificates of origin, for their verification in response to the requests of the customs authorities;

"Integrated information system of the EAEU" means a set of geographically distributed state information resources and information systems of authorised authorities, information resources and information systems of the Eurasian Economic Commission, combined by the national segments of the EAEU Member States and the integration segment of the Eurasian Economic Commission; and

"National Single Window of Viet Nam" means the mechanism of Viet Nam which allows the customs declarants to send the information and electronic documents for completion of customs procedures and procedures of state management agencies related to exported and imported goods through an integrated information system.

Article 2
Transmission of Information

1. For the purpose of this Article, the exchange of information shall be carried out via the Integrated Information System of the EAEU and the National Single Window of Viet Nam based on the requirements of the Technical Specifications specified in the Annex to this Protocol.

2. The Authorised Body of Viet Nam shall transmit to the relevant central customs authority of the EAEU Member States the information contained in the certificates of origin issued for goods exported from the territory of Viet Nam to the territory of this EAEU Member State.

3. The relevant Authorised Body of the EAEU Member State shall transmit to the central customs authority of Viet Nam the information contained in the certificates of origin issued for goods exported from the territory of this EAEU Member State to the territory of Viet Nam.

Article 3
Confidentiality

All information provided in accordance with this Protocol shall be treated by the Parties as confidential in accordance with their respective domestic laws and regulations. It shall not be disclosed by the customs authorities of a Party without the written permission of the Authorised Bodies of the other Party which provided such information except to the extent that it may be required to be disclosed in the context of judicial proceedings.

Article 4
Amendments

1. This Protocol may be amended by mutual consent of the Parties.

2. Such amendments shall be formalised by separate protocols and constitute an integral part of this Protocol.

Article 5
Consultations

1. Any matters related to the implementation of this Protocol shall be settled through consultations or negotiations between the Parties.

2. If a Party considers that the matter cannot be settled through consultations or negotiations as provided for in paragraph 1 of this Article, that Party shall have the right to seek resolution in the Joint Committee established in accordance with Article 1.4 (Joint Committee) of the Free Trade Agreement between the Eurasian Economic Union and its Member States, of the one part, and the Socialist Republic of Viet Nam, of the other part, on 29 May 2015.

Article 6
Entry into Force

1. This Protocol shall enter into force on the date of receipt, through diplomatic channels, of the last written notification certifying that the Parties have completed their respective internal legal procedures necessary for entry into force of this Protocol.

2. The exchange of notifications provided for in paragraph 1 of this Article shall be performed by Viet Nam and the Eurasian Economic Commission as the custodian of this Protocol authorised by the Republic of Armenia, the Republic of Belarus, the Republic of Kazakhstan, the Kyrgyz Republic and the Russian Federation.

DONE at , this day of 20___,
in two originals in the English language, both texts being equally authentic.

For the Government
of the Republic of Armenia

For the Government
of the Socialist Republic
of Viet Nam

For the Government
of the Republic of Belarus

For the Government
of the Republic of Kazakhstan

For the Cabinet of Ministers
of the Kyrgyz Republic

For the Government
of the Russian Federation

For the Eurasian Economic Union

Annex
to the Protocol on electronic
information exchange between the
Eurasian Economic Union and its
Member States, of the one part, and the
Socialist Republic of Viet Nam, of the
other part, within the Electronic Origin
Certification and Verification System

TECHNICAL SPECIFICATION

Pages 118

I. Purpose of the document

These Technical Specifications set technical requirements and conditions for the implementation of the electronic information exchange between the central customs authorities of the Member States of the Eurasian Economic Union (hereinafter referred to as "the Member States", "the Union") and of the Socialist Republic of Viet Nam within the Electronic Origin Certification and Verification System (hereinafter referred to as "the Parties", "the EOCVS") in accordance with Article 4.29 of the Free Trade Agreement between the Eurasian Economic Union and its Member States, of the one part, and the Socialist Republic of Viet Nam, of the other part, dated May 29, 2015 (hereinafter referred to as "the Agreement").

These Technical Specifications define participants, procedures and regulations of the electronic information exchange, content and structure of transmitted information and messages, used classifiers and directories, security requirements for information exchange and technical aspects and interaction parameters within the EOCVS for exchanging information on certificates of origin issued by the authorized bodies of one Party and used by the customs authorities of the other Party in order to verify validity and content of the issued certificates of origin.

II. Chronology of the document's revisions

Number of revision	Date of revision	Description of the changes	Initiator of the changes
01.00	24.09.2017	First version of the document	Eurasian Economic Commission
15.7	13.12.2017	Draft for 3th round of negotiations	Eurasian Economic Commission
15.8	21.12.2017	Results of 3th round of negotiations are implemented	Joint working group
15.10	28.02.2018	Comments and proposals of Vietnamese Side are implemented	Joint working group
15.11	02.03.2018	The results of negotiations on exchange of customs information are included	Eurasian Economic Commission
16.00	01.09.2021	The results of negotiations reached during the Subcommittee Meeting on Rules of Origin in December 2019 are included	Eurasian Economic Commission
17.00	13.11.2023	The results of negotiations reached during the fifth session of the Joint Committee in November 2023 are included	Eurasian Economic Commission

III. Terms and abbreviations

The following terms and definitions are used in these Technical Specification:

"SOAP" (Simple Object Access Protocol) – message-exchange protocol in the distributed computing environment;

"UML" – Unified Modeling Language;

"UUID" – Universally Unique Identifier;

"XML" (Extensible Markup Language) – recommended by the World Wide Web Consortium (W3C) Extensible Markup Language;

"Asynchronous Interaction" – a kind of electronic data exchange, in which the Sender resumes his work immediately after sending the message, without waiting for a response from the receiver;

"Business process" – a set of interrelated operations and procedures for implementation of the electronic information exchange;

"Verification" – the procedure for confirming the authenticity of the certificate of origin;

"External Gateway" – a subsystem of the Integrated information system of the Union that provides interaction with the National Single Window of Viet Nam;

"Information Protection" – development and implementation of a set of legal, organizational and technical measures to identify, achieve and maintain the confidentiality, integrity and availability of information and processing facilities in order to eliminate or minimize unacceptable risks for the participants of information exchange;

"Initiator" – a participant of electronic information exchange initiating the transaction;

"Information system" – a set of information technologies and technical means to ensure the processing of information resources;

"Information resource" – an ordered set of documented information (databases, other information arrays) contained in Information Systems;

"Communication channel" – the unidirectional network connection for transmitting electronic messages;

"Classifier" – a systematic, structured and codified list of names of items of classification;

"Commission" – the Eurasian Economic Commission which is a permanent regulatory body of the Eurasian Economic Union in accordance with the Treaty on the Eurasian Economic Union dated May 29, 2014;

"Integrated information system of the Union" – a set of geographically distributed state information resources and information systems of authorized authorities, information resources and information systems of the Eurasian Economic Commission, combined by the national segments of the Member States of the Eurasian Economic Union and the integration segment of the Eurasian Economic Commission;

"National Single Window of Viet Nam" – the mechanism which allows customs

declarant on the Viet Nam side to send information and electronic documents for performing of customs procedures and procedures of state management agencies related to exported and imported goods, as well as which allows the Authorised Bodies of Viet Nam to receive the information necessary for performing of customs procedures, providing the information exchange with the external gateway of the Integrated information system of the Union;

"Business Process Operation" – a regular, repetitive action, which is part of the range of functions, tasks of a certain Participant of the Business Process;

"Control Error" – a type of exception signals that occurs when the notice received by the Respondent is checked, or the waiting time of the notice that the Respondent accepts the received information for processing expires;

"Business process procedure" – a set of interrelated operations performed by participants of the business process and aimed at solving a specific task within a business process;

"Respondent" – a participant of electronic information exchange exchanging messages with the Initiator within the transaction;

"Service" – the process of providing users with information technology resources to ensure the performance of their business functions, which has the ability to perform the required functions in a given period of time;

"Certificate of origin" – certificate of origin form EAV issued by an authorized body of the Party in accordance with Section 2 of Chapter 4 of the Agreement;

"Message" – a formalised information transmitted from the sender to the receiver using information and telecommunications networks;

"Directory" – a systematic, structured and codified list of information, that is homogeneous in its content or substance;

"Transaction" – an elementary information interaction between two participants of business process, which is carried out by each participant within its Business Process Operation;

"Participant of the business process" – a participant of electronic information exchange within the business process.

In order to provide clear presentation of transferred information and message structures, tables are used. These tables contain the following columns:

"requisite name / element" – common or official verbal mark of an electronic information requisite or a message element;

"requisite description / description" – a text defining the meaning (semantology) of an electronic information requisite or a message element;

"data type" – a verbal mark of possible values of an electronic information requisite or a message element;

"mult." – requisite multiplicity – necessity (optionality) and the number of possible requisite or message element repetitions.

To indicate the necessity of filling electronic information or message element structure requisites, the following notations are used in "mult." column:

1 – a requisite (element) is obligatory, no repetitions are allowed;

n – a requisite (element) is obligatory, shall be repeated n times, n > 1;

0..1 – a requisite (element) is optional, no repetitions are allowed;

0..* – a requisite (element) is optional, can be repeated without restrictions;

0..m – a requisite (element) is optional, can be repeated no more than m times, m > 1;

1..* – a requisite (element) is obligatory, can be repeated without restrictions;

n..* – a requisite (element) is obligatory, shall be repeated at least n times, n > 1;

n..m – a requisite (element) is obligatory, must be repeated at least n times and not more than m times, n > 1, m > n.

IV. General information

4.1 General principles of the electronic information exchange

Electronic information exchange within the EOCVS is intended to ensure the possibility to verify authenticity, issuance and content of the issued certificates of origin.

EOCVS is developed to create databases of certificates of origin issued by authorized bodies of exporting countries available for customs authorities of importing

countries to verify the issuance and the content of issued certificates of origin.

Information from certificates of origin is exchanged between the participants within the EOCVS on a regular basis by means of electronic messages exchange.

Participants of electronic information exchange ensure the development and maintenance of structured information resources containing current information on certificates of origin, as well as information systems that support services for electronic information exchange.

Requirements for composition and structure of data used in data exchange are defined based on international standards and generally accepted initiatives in the field of electronic data exchange (including the Data Model of the World Customs Organization).

These Technical Specifications do not include requirements for unification of database structures and rules for their organization and functioning. Such requirements are defined at the national level.

Electronic information exchange participants shall protect transmitted information (including protection of information authenticity and integrity), as well as protect information from unauthorised access, destruction, change and prevent inappropriate storage.

Electronic information exchange participants submitting information shall ensure the completeness and correctness of information on issued certificates of origin provided within the EOCVS to enable the participants receiving information to check the issuance of certificates of origin and the authenticity of information contained.

Electronic information exchange participants shall provide 24-hour functioning of information resources and information systems, as well as related services.

4.2. Participants of electronic information exchange

The electronic information exchange involves:

1. Central customs authorities of the Member States and Viet Nam receiving information on the issued certificates of origin for their verification:

The State Revenue Committee of the Republic of Armenia;

The State Customs Committee of the Republic of Belarus;

The State Revenue Committee of the Ministry of finance of the Republic of Kazakhstan;

The Customs Service under the Ministry of Finance of the Kyrgyz Republic;

The Federal Customs Service (the Russian Federation);

The Ministry of Finance (General Department of Viet Nam Customs) of the Socialist Republic of Viet Nam.

2. Authorized bodies of the Member States and Viet Nam providing information on certificates of origin:

The Chamber of Commerce and Industry of the Republic of Armenia;

The Chamber of Commerce and Industry of the Republic of Belarus;

The National Chamber of Entrepreneurs of the Republic of Kazakhstan;

The Chamber of Commerce and Industry of the Kyrgyz Republic;

The Chamber of Commerce and Industry of the Russian Federation;

The Ministry of Industry and Trade of the Socialist Republic of Viet Nam.

4.3. The main technical solutions

Electronic information exchange within the EOCVS is carried out by its participants using the Integrated Information System of the Union (hereinafter referred to as "the IIS") and the National Single Window of Viet Nam.

The information transmitted by the authorized bodies of Viet Nam, using the National Single Window of Viet Nam facilities through the External Gateway services is received by the IIS and then it is routed to the central customs authorities of the Member States through the relevant national segments of the Member States.

The information transmitted by the authorized bodies of the Member States through the relevant national segments of the Member States, is transmitted to the IIS, enters the External Gateway and then it is transmitted through the services of the National Single Window of Viet Nam to the customs authorities of Viet Nam. Electronic information exchange within the EOCVS is carried out by its participants at the logic levels, such as transport, technological and application levels.

Procedures of electronic information exchange at the transport level between the External Gateway and the National Single Window of Viet Nam ensure data delivery

via HTTP protocol.

Electronic information exchange between the External Gateway and the National Single Window of Viet Nam at the technological level is implemented by means of messages in the SOAP format.

Procedures of electronic information exchange at the application level provide exchanging of electronic data (hereinafter referred to as "the applied data") between the participants of electronic information exchange through messaging.

Electronic information exchange at the application level is carried out by asynchronous interaction in which the sender resumes his work immediately after sending the message without waiting for the response from the recipient.

The requirements to the structure and format of messages as well as the procedure of messaging at the technological level are established in accordance with Sections VI and VII of these Technical Specifications.

4.4 Requirements for unique identification of information

A unique identifier is assigned to each document in electronic form used within the electronic information exchange.

The following information is used as a unique identifier of the certificate of origin issued by the authorized body of the Party:

Registration number of the certificate of origin;

Certificate of origin type;

Country of issuance;

Date of certification (issuance of the certificate of origin);

The unique identifier of an electronic message specified in the header block at the technological level is the UUID electronic message identifier as RFC 4122 Specification (http://www.ietf.org/rfc/rfc4122.txt).

Cohesiveness of electronic messages at the technological level is determined by the identifier of cohesive message sent in the header block.

V. Description of business processes of electronic information exchange (information exchange regulations)

5.1. Description of electronic information exchange participants' roles within business process implementation

The roles of business process participants within the EOCVS are listed in Table 1.

Table 1

The list of business process participants' roles

Designation	Name	Description
ESS.VN.ACT.001	authorized body-information owner	an authorized body of an exporting country which collects, stores and submits current information on certificates of origin to a receiving customs authority
ESS.VN.ACT.002	customs authority-information receiver	a customs authority of an importing country which receives, processes and stores certificates of origin submitted by authorized owning body

Within the EOCVS the authorized bodies develop and maintain their own information resources containing electronic information on certificates of origin. During business process execution customs authorities-information receivers develop and maintain the information resources containing electronic information about certificates of origin provided by authorized bodies-information owners.

Business process procedures are provided in Table 2.

Table 2

Business process procedures

Designation	Name
ESS.VN.PRC.001	providing information on the issued certificate of origin
ESS.VN.PRC.002	receiving information on the certificate of origin

Description of the business process structure is shown in Figure 1.

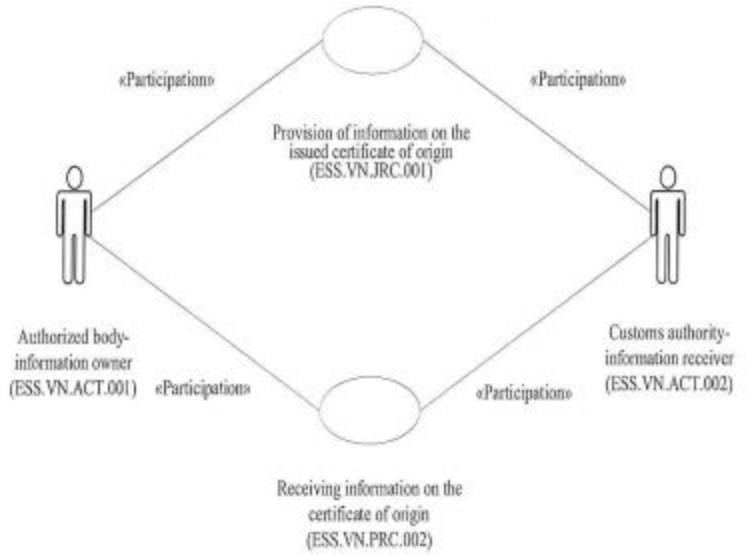

Figure 1. Business process structure

5.2 Business process procedures

5.2.1. The procedure "Providing information on the issued certificate of origin"

The procedure "Providing information on the issued certificate of origin" shall be carried out within 4 hours after the authorized body-information owner performs one of the following procedures:

issuance of the original certificate of origin;

issuance of the duplicate of certificate of origin;

issuance of the certificate of origin in substitution of the original certificate of origin;

annulment (recall) of the previously issued original certificate of origin, the duplicate of certificate of origin, or the certificate of origin in substitution of the original certificate of origin;

inclusion of information related to it in the information resource containing information about certificates of origin.

The scheme of the procedure "Providing information on the issued certificate of origin" is provided in Figure 2.

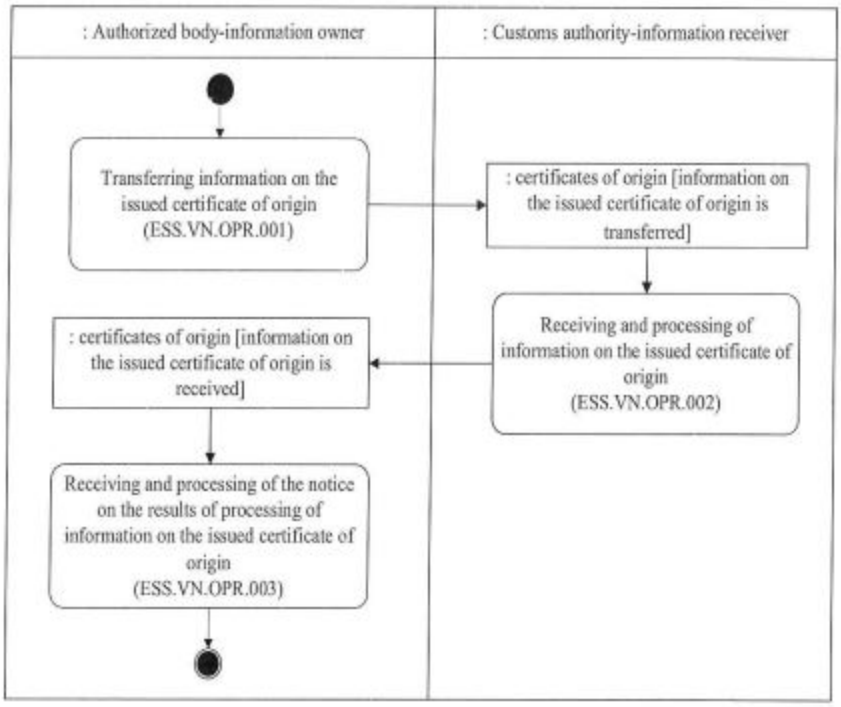

Figure 2. Scheme of the procedure "Providing information on the issued certificate of origin"

The operation "Transferring information on the issued certificate of origin" is carried out first, followed by preparing and providing information on the issued (annulled, recalled) certificate of origin to the receiving customs authority by the authorized owning body.

When the receiving customs authority receives information on the issued (annulled, recalled) certificate of origin, the procedure "Receiving and processing of information on the issued certificate of origin" shall be carried out, followed by receiving, processing and providing notice on the results of processing to the authorized owning body by the receiving customs authority.

When the authorized owning body receives the notice on the results of processing from the receiving customs authority, the procedure "Receiving and processing of the notice on the results of processing of information on the issued certificate" is carried out. Based on the results of this operation, the authorized owning body processes the received notice.

The result of the procedure "Providing information on the issued certificate of origin" is the provision of information on the issued (annulled, recalled) certificate of origin by the authorized owning body and its processing by the receiving customs authority.

The list of operations carried out under the procedure "Providing information on the issued certificate of origin" is given in Table 3.

Table 3

List of business process operations carried out within the procedure "Providing information on the issued certificate of origin" (ESS.VN.PRC.001)

Designation	Name	Description
ESS.VN.OPR.001	transferring information on the issued certificate of origin	provided in Table 4
ESS.VN.OPR.002	receiving and processing of information on the issued certificate of origin	provided in Table 5
ESS.VN.OPR.003	receiving and processing of the notice on the results of processing of information on the issued certificate of origin	provided in Table 6

The description of the operation "Transferring information on the issued certificate of origin" (ESS.VN.OPR.001) is given in Table 4.

Table 4

Description of the operation "Transferring information on the issued certificate of origin" (ESS.VN.OPR.001)

No.	Element	Description
1	Designation	ESS.VN.OPR.001
2	Operation	Transferring of information on the issued certificate of origin
3	Executor	authorized body-information owner
4	Execution conditions	carried out within 4 hours after the certificate of origin is issued (annulled, recalled), and the executor includes information on it into the information resource
5	Restrictions	the format and structure of the information provided shall be in accordance with the description provided in Appendix B
6	Operation description	the executor prepares information on the issued (annulled, recalled) certificate of origin and provides the receiving customs authority with it
7	Results	information on the issued (annulled, recalled) certificate of origin is prepared and transferred to the receiving customs authority

The description of the operation "Receiving and processing of information on the issued certificate of origin" (ESS.VN.OPR.002) is given in Table 5.

Table 5

Description of the operation "Receiving and processing of information on the issued certificate of origin" (ESS.VN.OPR.002)

No.	Element	Description
1	Designation	ESS.VN.OPR.002
2	Operation	receiving and processing of information on the issued certificate of origin

No.	Element	Description
3	Executor	customs authority-information receiver
4	Execution conditions	carried out after the executor receives information on the issued (annulled, recalled) certificate of origin (the operation "Transferring information on the issued certificate of origin" (ESS.VN.OPR.001))
5	Restrictions	the format and structure of provided information shall comply with the description provided in Appendix B
6	Operation description	the executor receives and checks information on the issued (annulled, recalled) certificate of origin and provides the authorized owning body with the notice on the results of information processing
7	Results	information on the issued (annulled, recalled) certificate of origin is processed, and the authorized owning body is provided with the notice on the results

The description of the operation "Receiving and processing of the notice on the results of processing of information on the issued certificate of origin" (ESS.VN.OPR.003) is given in Table 6.

Table 6

Description of the operation "Receiving and processing of the notice on the results of processing of information on the issued certificate of origin" (ESS.VN.OPR.003)

No.	Element	Description
1	Designation	ESS.VN.OPR.003
2	Operation	receiving and processing of the notice on the results of processing of information on the issued certificate of origin
3	Executor	authorized body-information owner
4	Execution conditions	carried out after the executor receives the notice on the results of processing of information (the operation "Receiving and processing of information on the issued certificate of origin" (ESS.VN.OPR.002))
5	Restrictions	the format and structure of the information provided shall be in accordance with the description provided in Appendix B

No.	Element	Description
6	Operation description	the executor receives and processes the notice on the results of processing of information on the issued (annulled, recalled) certificate of origin
7	Results	the notice on the results of processing of information is processed

5.2.2. The procedure "Receiving information on the certificate of origin"

If necessary the receiving customs authority can generate a request to confirm the authenticity of a certain certificate of origin. The scheme of the procedure "Receiving information about the certificate of origin" is given in Figure 3.

The procedure "Receiving information on the certificate of origin" is carried out by the receiving customs authority upon the request, if the information on the issued certificate of origin is necessary. The authorized body-information owner, having received such a request, generates the response containing the requested data or information about their absence.

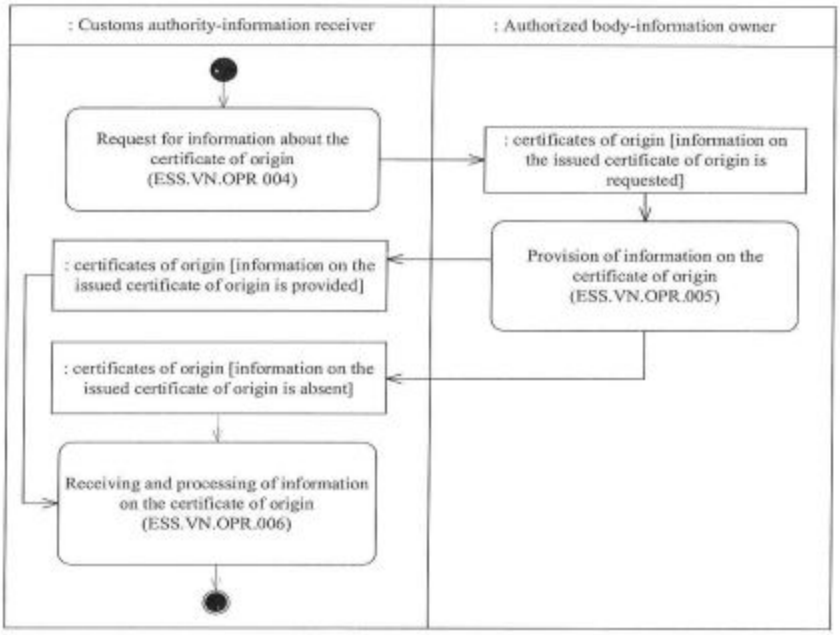

Figure 3. Scheme of the procedure "Receiving information on the certificate of origin"

The operation "Requesting information about the certificate of origin" is carried out first, according to the results of which the customs recipient body forms and sends to the authorized authority-owner of the information request to provide information about the certificate of origin.

When the request for providing information on the certificate of origin is received by the authorized owning body, the operation "Providing information on the certificate of origin" is carried out, based on the results of which the authorized owning body generates and sends current information on the certificate of origin or notice on absence of information complying with the parameters of the request to the receiving customs authority.

When the receiving customs authority receives current information on the certificate of origin or the notice on absence of information complying with the parameters of request, the operation "Receiving and processing of information on the certificate of origin" is carried out, followed by the processing of received information by the receiving customs authority.

The result of the procedure "Receiving information on the certificate of origin" is the receiving and processing of current information on the certain certificate of origin or notice on the absence of information complying with the request parameters by the receiving customs authority.

The list of business process operations carried out within the procedure "Receiving information on the certificate of origin" (ESS.VN.PRC.002) is given in Table 7.

Table 7

List of business process operations carried out within the procedure "Receiving information on the certificate of origin" (ESS.VN.PRC.002)

Designation	Name	Description
ESS.VN.OPR.004	requesting for information about the certificate of origin	provided in Table 8
ESS.VN.OPR.005	providing information about certificate of origin	provided in Table 9
ESS.VN.OPR.006	receiving and processing of information on the certificate of origin	provided in Table 10

The description of the operation "Requesting for information on the certificate of origin" (ESS.VN.OPR.004) is given in Table 8.

Table 8

Description of the operation "Requesting for information on the certificate of origin" (ESS.VN.OPR.004)

No.	Element	Description
1	Designation	ESS.VN.OPR.004
2	Operation	requesting for information on the certificate of origin
3	Executor	customs authority-information receiver
4	Execution conditions	performed if necessary to receive information about the certificate of origin by the customs authority-information receiver
5	Restrictions	the format and structure of the request shall be in accordance with the description given in Appendix B
6	Operation description	the executor generates and sends a request for providing information about the certificate of origin to the authorized body-information owner
7	Results	the request for providing information about the certificate of origin is sent to the authorized body-information owner

The description of the operation "Providing information on the certificate of origin" (ESS.VN.OPR.005) is given in Table 9.

Table 9

Description of the operation "Providing information on the certificate of origin" (ESS.VN.OPR.005)

No.	Element	Description
1	Designation	ESS.VN.OPR.005
2	Operation	providing information on the certificate of origin
3	Executor	authorized body-information owner
4	Execution conditions	carried out after the request for providing information on the certificate of origin (the operation "Requesting for information on the certificate of origin" (ESS.VN.OPR.004)) is received
5	Restrictions	the format and structure of the request and the provided information shall be in accordance with the description given in Appendix B
6	Operation description	the executor checks the received request, generates and sends current information on the certificate of origin or the notice on absence of information complying with the request parameters, indicating the code of the processing result, corresponding to the absence of information, to the receiving customs authority
7	Results	information on the certificate of origin or the notice on absence of information complying with the request parameters is provided to the receiving customs authority

The description of the operation "Receiving and processing of information on the certificate of origin" (ESS.VN.OPR.006) is given in Table 10.

Table 10

Description of the operation "Receiving and processing of information on the certificate of origin" (ESS.VN.OPR.006)

No.	Element	Description
1	Designation	ESS.VN.OPR.006
2	Operation	receiving and processing of information on the certificate of origin
3	Executor	customs authority-information receiver
4	Execution conditions	carried out after information on the certificate of origin or notice on the absence of information complying with the request parameters (the operation "Providing information on the certificate of origin" (ESS.VN.OPR.005)) is provided
5	Restrictions	the format and structure of the provided information shall be in accordance with the description given in Appendix B
6	Operation description	the executor processes the received information
7	Results	the information about the certificate of origin or the notification on absence of information complying with the parameters of the request is received and processed

5.3. Regulation of interaction during the implementation of the business process

Information interaction of participants during the implementation of the business process is carried out through transactions.

Information interaction defines the order of execution of transactions. Each transaction is the exchange of messages between the participants of electronic information exchange in order to synchronize the statuses of information resources containing information on certificates of origin. For each information interaction, the relationships between operations and the corresponding transactions are defined.

Within the operation (the initiating operation) one participant of the electronic information exchange (the initiator) shall provide another participant of electronic information exchange (the respondent) with a message, in response to which the

respondent shall send a response message within the operation he performs (the receiving operation).

Messages exchanged within the business process shall be formed in accordance with the requirements specified in Section VI of these Technical specifications.

Table 11 presents a relationship between the operations, intermediate and resulting states of information objects of business process and transactions for each Business Process Procedure.

Table 11

The list of transactions

No.	Operation performed by the Initiator	Intermediate state of information object of the business process	Operation performed by the Respondent	Resulting state of information object of the business process	Transaction
1	Providing information on the issued certificate of origin (ESS.VN.PRC.001)				
1.1	transferring information on the issued certificate of origin (ESS.VN.OPR.001) receiving and processing of the notice on the results of processing of information on the issued certificate of origin (ESS.VN.OPR.003)	certificates of origin (ESS.VN.BEN.001): information on the issued certificate of origin is transferred	receiving and processing of information on the issued certificate of origin (ESS.VN.OPR.002)	certificates of origin (ESS.VN.BEN.001): information on the issued certificate of origin is received	providing information on the issued certificate of origin (ESS.VN.TRN.001)
2	Receiving information on the certificate of origin (ESS.VN.PRC.002)				
2.1	requesting for information on the certificate of origin (ESS.VN.OPR.004) receiving and processing of information on the certificate of origin (ESS.VN.OPR.006)	certificates of origin (ESS.VN.BEN.001): information on the issued certificate of origin is requested	providing information on the certificate of origin (ESS.VN.OPR.005)	certificates of origin (ESS.VN.BEN.001): information on the issued certificate of origin is provided certificates of origin (ESS.VN.BEN.001): information on the issued certificate of origin is absent	receiving information on the certificate of origin (ESS.VN.TRN.002)

The scheme of the transaction "Providing information on the issued certificate of origin" (ESS.VN.TRN.001) is provided in Figure 4.

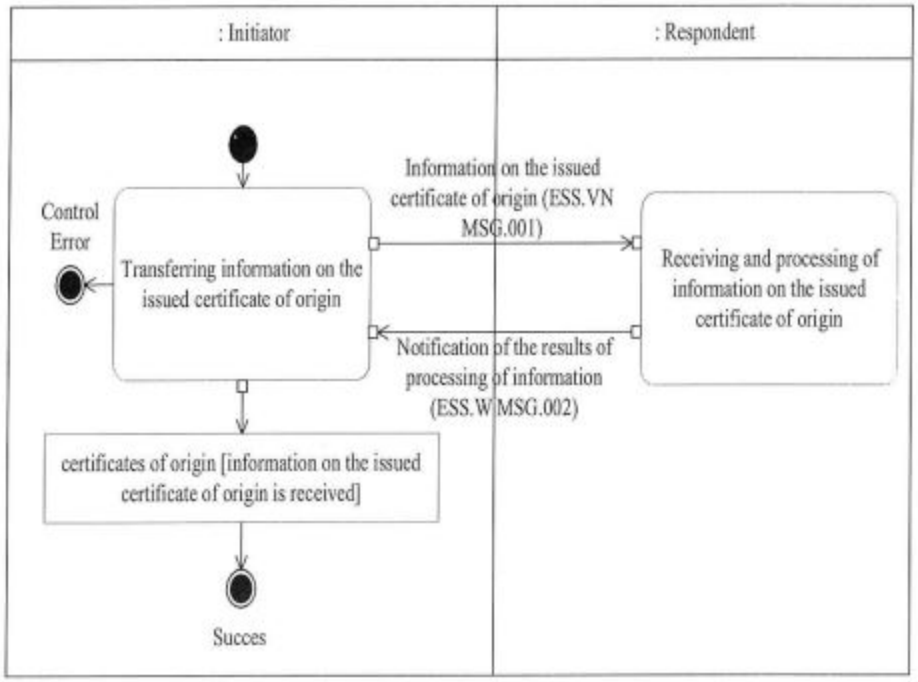

Figure 4. Scheme of the transaction "Providing information on the issued certificate of origin" (ESS.VN.TRN.001)

The scheme of the transaction "Receiving information on the certificate of origin" (ESS.VN.TRN.002) is provided in Figure 5.

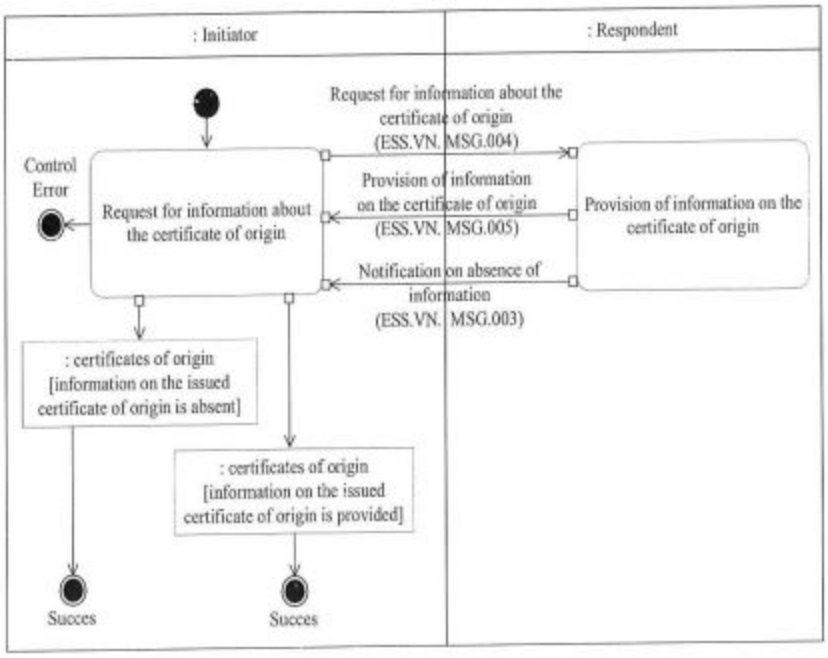

Figure 5. Scheme of the transaction "Receiving information on the certificate of origin" (ESS.VN.TRN.002)

The parameters of the transactions "Providing information on the issued certificate of origin" (ESS.VN.TRN.001) and "Receiving information on the certificate of origin" (ESS.VN.TRN.002) are listed in Subsection 9.4 of these Technical Specifications.

VI. Content and structure of information transmitted

6.1. Content of information transmitted

Description of the content of information transmitted is provided in Appendix A.

6.2. Structure of information transmitted

Description of structures of information transmitted and rules for their filling out and control is provided in a set of tables in Appendix B.

Description of the structure of transmitted information and messages in W3C language notation of XML-schemes is provided in Appendix C.

Examples of transmitted information and messages in the form of XML-documents are provided in Appendix D.

Information about web services standards is provided in Appendix F.

VII. Structure and format of messages

7.1. General requirements and applicable standards

The information transmitted as a part of the described business process, shall be XML-formatted in accordance with the Extensible Markup Language (XML) 1.0 standard (Fifth Edition) that can be found at: http://www.w3.org/TR/REC-xml.

When describing the structure and format of messages, the namespaces given in Table 12 are used, as well as the specifications provided in Table 13.

Table 12

List of XML-document namespaces

Prefix	Address
soap	http://www.w3.org/2003/05/soap-envelope
wsa	http://www.w3.org/2005/08/addressing
xs	http://www.w3.org/2001/XMLSchema

A message in SOAP format transmitted between electronic information exchange participants is made in accordance with the SOAP 1.2 specification and consists of a header block (soap:Header) and a body block (soap:Body).

The header block contains technological information required for routing and processing of a message, as well as for monitoring of electronic information exchange.

Table 13

Specifications used to describe structure and format of messages

Short name	Full name
SOAP 1.2	SOAP Version 1.2 Part 1: Messaging Framework (Second Edition). W3C Recommendation 27 April 2007. http://www.w3.org/TR/soap12-part1
WS-Addressing 1.0–Core	Web Services Addressing 1.0 – Core. W3C Recommendation 9 May 2006. http://www.w3.org/TR/ws-addr-core
XML 1.0	Extensible Markup Language (XML) 1.0 (Fifth Edition). W3C Recommendation 26 November 2008. http://www.w3.org/TR/2008/REC-xml-20081126

The body block includes the application or technological information important for the participants of electronic information exchange and shall conform with the structure of transmitted data specified in Appendix B and W3C language notation of XML-schemes specified in Appendix C.

UTF-8 encoding shall be used for generating messages and contents of their blocks. The maximum length of a message transmitted is 100 MB.

The list of business process messages transmitted within the information interaction when implementing the business process is given in Table 14.

Table 14

The list of messages transmitted

Structure identifier (message identifier)	Type of information	Purpose
Certificate (ESS.VN.MSG.001)	information on the issued certificate of origin	contains information on the issued (annulled, recalled) certificate of origin provided by the authorized owning body
Response (ESS.VN.MSG.002)	notice on the results of processing of information	notice on the results of processing of information on the issued (annulled, recalled) certificate of origin provided by the receiving customs authority

Structure identifier (message identifier)	Type of information	Purpose
Response (ESS.VN.MSG.003)	notification on absence of information	notification on results of processing of request by the authorized body-information owner, containing information about absence of requested information
Request (ESS.VN.MSG.004)	request for information about the certificate of origin	contains a request of the customs authority-information receiver for information about the certificate of origin
Certificate (ESS.VN.MSG.005)	information on the certificate of origin provided in response to the request	contains information on the issued (annulled, recalled) certificate of origin provided by the authorized owning body in response to the request

7.2. The structure of header blocks

The header block contains headers in accordance with WS-Addressing 1.0 – Core specification, as well as specialized headers used to organize interaction.

The header block includes the following headers:

a) wsa:To – a header containing information on the receiver;

b) wsa:From – a header containing logical address of the sender, to which the response message should be sent;

c) wsa:MessageID – a header containing message identifier;

d) wsa:RelatesTo – a header containing message reference identifier;

e) wsa:Action – a header identifying message content;

The wsa:To header is obligatory to fill out and shall include the logical address of the receiver. The logical address is used to identify the receiver in messages between the External Gateway and electronic information exchange services provided by the National Single Window of Viet Nam.

The wsa:From header is obligatory to fill out and shall include the logical address of the sender.

The list of logical addresses of participants of electronic information exchange within the Electronic Origin Certification and Verification System is given in Table 15.

Table 15

The list of logical addresses of participants of electronic data exchange

Logical address of the exchange participant	Participant of electronic information exchange
ESS.VN.AM	The State Revenue Committee of the Republic of Armenia; The Chamber of Commerce and Industry of the Republic of Armenia
ESS.VN.BY	The State Customs Committee of the Republic of Belarus; The Chamber of Commerce and Industry of the Republic of Belarus
ESS.VN.KZ	The State Revenue Committee of the Ministry of finance of the Republic of Kazakhstan; The National Chamber of Entrepreneurs of the Republic of Kazakhstan
ESS.VN.KG	The Customs Service under the Ministry of Finance of the Kyrgyz Republic; The Chamber of Commerce and Industry of the Kyrgyz Republic
ESS.VN.RU	The Federal Customs Service (the Russian Federation); The Chamber of Commerce and Industry of the Russian Federation
ESS.VN.VN	The Ministry of Finance (General Department of Viet Nam Customs) of the Socialist Republic of Viet Nam; The Ministry of Industry and Trade of the Socialist Republic of Viet Nam.

The wsa:MessageID header is obligatory to fill out and is intended for unique identification of separate message instances. Values of message identifiers shall be globally unique and be UUID in accordance with RFC 4122 specification.

The wsa:Action header is intended for informing participants of the electronic information exchange on the business process procedure within which a message was sent.

The wsa:RelatesTo header is intended for message chains creation.

The wsa:RelatesTo header shall contain a value of the wsa:MessageID header of the original message. In this case, the wsa:MessageID header shall be filled with a new value.

The wsa:Action header of an applied message transmitted as part of a business process is filled out by the uniform resource identifier (URI), consisting of the following components, divided by slash-symbol "/":

a) fixed prefix "tr://";

b) CERTIFICATE identifier;

c) components of information on the message contents.

Components of information about the contents of the message are specified in the following order:

a) version of the interaction services;

b) procedure code defined in Table 2 of these Technical Specifications;

c) transaction code defined in Table 11 of these Technical Specifications;

d) message code defined in Table 14 of these Technical Specifications;

Example of filling out the wsa:Action header:

tr://CERTIFICATE/0.1/ESS.VN.PRC.001/ESS.VN.TRN.001/ESS.VN.MSG.001.

VIII. Use of directories and classifiers

Special directories and classifiers are used for electronic information exchange.

Lists of directories and classifiers used within the electronic information exchange are provided in Tables 16–18.

Table 16

The list of main directories and classifiers used by all electronic information exchange participants

Name	Type	Description	
country classifier	the classifier	contains the list of codes and names of countries (used in accordance with ISO 3166)	https://www.iso.org/obp/ui/#iso:std:iso:3166:-1:ed-3:v1:en,fr
language classifier	the classifier	contains the list of codes and names of languages in accordance with IETF RFC 5646 and IANA Language Subtag Registry	https://tools.ietf.org/html/rfc5646 and https://www.iana.org/assignments/language-subtag-registry/language-subtag-registry
classifier of cargoes, packages and packaging materials	the classifier	contains the list of codes and names of types of cargo, packages and packaging materials	https://www.unece.org/fileadmin/DAM/cefact/recommendations/rec21/rec21rev1_ecetrd195e.pdf
UN EDIFACT Code list 3031 Types of addresses	the classifier	contains the list of codes and names of address types	https://unece.org/fileadmin/DAM/trade/untdid/d15a/tred/tred3131.htm
UN EDIFACT Code list 3155 Types of communications	the classifier	contains the list of codes and names of communication types	https://unece.org/fileadmin/DAM/trade/untdid/d13a/tred/tred3155.htm

Table 17

List of directories and classifiers used by the Member States

Name	Type	Description	
a Unified goods nomenclature of foreign economic activity of the Eurasian Economic Union based on the Harmonized Description and Coding System of the World Customs Organization	the classifier	contains the list of codes and names of goods	https://eec.eaeunion.org/comission/department/catr/ett/ https://eec.eaeunion.org/comission/department/catr/psn/
units of measurement classifier	the classifier	contains the list of codes, names and symbols of units of measurement	https://portal.eaeunion.org/sites/odata/_layouts/15/Portal.EEC.RegistryUi/DirectoryForm.aspx?ViewId=61f9080c-730e-4dfb-addb-2e6b11d5e84b&ListId=0e3ead06-5475-466a-a340-6f69c01b5687&ItemId=283#
classifier of transport and transportation of goods currency qualifier	the classifier	contains the list of types of vehicles and transportation of goods and the corresponding codes	https://portal.eaeunion.org/sites/odata/_layouts/15/Portal.EEC.RegistryUi/DirectoryForm.aspx?ViewId=61f9080c-730e-4dfb-addb-2e6b11d5e84b&ListId=0e3ead06-5475-466a-a340-6f69c01b5687&ItemId=272#

Name	Type	Description	
classifier of documents used for customs declaration	the classifier	contains a list of codes and names types of documents and information used for customs declaration	https://portal.eaeunion.org/sites/odata/_layouts/15/Portal.EEC.Process11/TreeListForm.aspx?ViewId=TreeView&ListId=0e3ead06-5475-466a-a340-6f69c01b5687&ItemId=277

Table 18

List of directories and classifiers used by the Socialist Republic of Viet Nam

Name	Type	Description	
Harmonized System (HS Code), compatible with ASEAN Harmonized Tariff Nomenclature (AHTN)	the classifier	contains the list of codes and names of goods	*To be provided by the Socialist Republic of Viet Nam*
units of measurement classifier	the classifier	contains the list of codes and names of units of measurement	*To be provided by the Socialist Republic of Viet Nam*
classifier of transport and transportation of goods currency qualifier	the classifier	contains the list of types of vehicles and transportation of goods and the corresponding codes	*To be provided by the Socialist Republic of Viet Nam*
classifier of documents used for customs declaration	the classifier	contains a list of codes and names types of documents used for customs declaration	*To be provided by the Socialist Republic of Viet Nam*

The contents of detailed information from directories and classifiers and their structures are defined in Appendix E.

Directories and classifiers shall be updated when new versions are released.

Participants of electronic information exchange routinely exchange updated versions of directories and classifiers defined in Appendix E.

The participants of electronic information exchange shall solely track changes of versions of the directories and classifiers defined in tables 16–18 using open sources.

IX. Technical aspects and interaction parameters

9.1. General information

The procedure of information interaction during the implementation of the business processes is defined in Section V of these Technical Specifications.

When a transaction is executed, each of the sent messages shall be processed successfully, or all the application-level changes in the systems of the participants of electronic information exchange made due to processing of the transaction messages shall be cancelled.

As a part of the transactions, the following types of messages are used: business process messages, acknowledgment signals, exception signals.

The list of business process messages is provided in Table 18 of these Technical Specifications.

A business process message is an applied message, which contains a set of applied data transmitted between the participants of electronic information exchange in accordance with the rules given in Section 5.3 of these Technical Specifications.

The acknowledgment signal is an applied message reporting on successful stage of business process message processing.

The exception signal is an applied message reporting on deviation from the business process message routine processing.

Description of acknowledgment and exception signals is provided in Section 9.5 of these Technical Specifications.

In order to implement a reliable information interaction it is possible to resend a business process message, if no response or an error process message was received.

When resending the message, a new wsa:MessageID identifier shall be generated.

To ensure communication between the messages within a transaction, wsa:RelatesTo field is filled out for all the business process messages, except those initiating a transaction.

Wsa:RelatesTo field contains a wsa:MessageID identifier obtained by the participant of electronic information exchange at the previous stage of the

transaction.

In order to ensure control (tracking) of duplicates (resent messages), the applied data structures shall be controlled. In this case, if the Respondent finds that the message is resent by the Initiator, the Respondent shall regenerate and send a response.

9.2. Message exchange procedure

During the execution of a transaction (for all transactions defined in Section 5.3 of these Technical Specifications), the following messaging sequence is implemented:

the initiator sends a request to the respondent and waits for confirmation of receipt of the request till the time determined in the scope of transaction parameters as a deadline for confirmation of receipt expires;

the respondent receives the request and conducts the process and structural control in accordance with the rules specified in Section 9.3 of these Technical Specifications, and sends a "Received" acknowledgment signal to the initiator;

after processing of the "Received" acknowledgment signal from the respondent, the Initiator waits for confirmation of acceptance of the information contained in the request for processing till the time determined in the scope of transaction parameters as a deadline for confirmation of processing expires;

the respondent controls the data in the request in accordance with the rules specified in Section 9.3 of these Technical Specifications, and confirms the acceptance of information received for processing by sending an "Accepted for processing" acknowledgment signal to the Initiator;

after processing the "Accepted for processing" acknowledgment signal from the respondent, the initiator waits for a response with information till the time determined in the scope of transaction parameters as a deadline for receiving a response expires;

the respondent processes the received request and sends a response to the initiator;

the initiator controls data contained in the response in accordance with the

rules specified in Section 9.3 of these Technical Specifications.

The order of transaction is given in Figure 6.

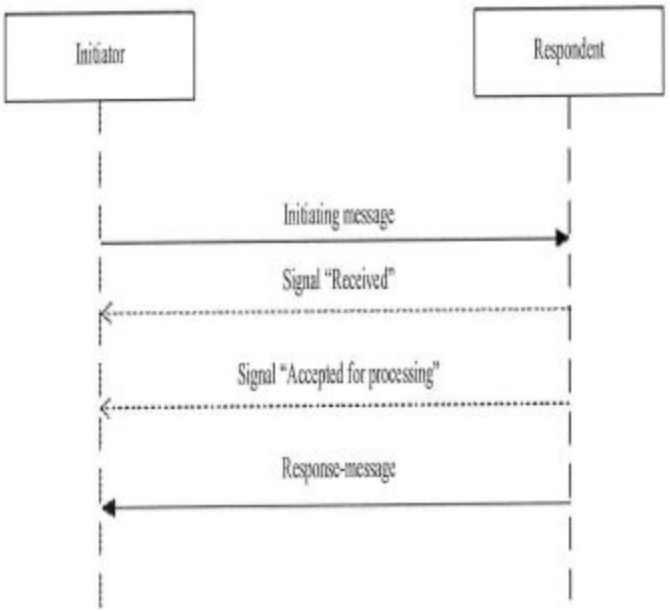

Figure 6. The order of transaction

9.3. Procedure of message processing by receiver

Message processing is performed by the receiver (the respondent) in accordance with the following standard stages:

a) process control of the message;

b) structural control of the body block;

c) processing of the body block data.

The process control of a message involves checking the message structure for compliance with the established formats and structures of messages without regard to the applied data transmitted, as well as checking the connectivity of messages at the message header level.

If process control of a message results in errors and checked message is not an error process message, the respondent shall send a soap:Sender error message to the initiator in accordance with the WS-Addressing 1.0 – Binding specification under the

terms specified in Section 9.6 of these Technical Specifications.

The structural control of the body block involves checking its structure for compliance with the established data structures (according to XSD schema).

9.4. Parameters of transactions

Transactions shall be carried out in accordance with the given transaction parameters.

The parameter "Time to confirm receipt" sets the maximum time period between sending a business process message by the initiator and the time of receipt of the acknowledgment signal "Received".

The initiator of the business process message shall resend the message if the respondent has not confirmed the receipt within an agreed period of time. The number of retries is set using the parameter "Number of retries".

The parameter "Time to confirm acceptance for processing" sets the maximum period of time between sending a business process message by the initiator and the time of receipt of the acknowledgment signal "Accepted for processing".

The initiator of request shall resend the message if the respondent has not confirmed the receipt within the agreed period of time. The number of retries is set using the parameter "Number of retries".

The parameter "Time to respond" sets the maximum period of time between sending a business process message (request) by the initiator and the time of receipt of the respondent's response with the information on the results of processing of the request (response).

The initiator shall resend the request, if no response has been received from the respondent within the agreed period of time. The number of retries is set using the parameter "Number of retries".

Control over the observance of procedural deadlines set by the parameters "Time to confirm receipt", "Time to confirm acceptance for processing" and "Time to respond" is the initiator's responsibility. The Respondent bears no responsibility for control of these parameters.

The parameter "Number of retries" sets the maximum number of retries of business process messages.

The situation when all the retries of sending a business process message have been exhausted and the required messages have not been received by the initiator is emergency. The procedure for actions performed by the parties in emergency situations is specified in Section XI of these Technical Specifications.

9.4.1. Parameters of the transaction "Providing information on the issued certificate of origin"

Parameters of the transaction "Providing information on the issued certificate of origin" (ESS.VN.TRN.001) are given in Table 19.

Table 19

Description of the transaction "Providing information on the issued certificate of origin" (ESS.VN.TRN.001)

No.	Parameter	Description
1	Designation	ESS.VN.TRN.001
2	Name of transaction	providing information on the issued certificate of origin
3	Initiator	authorized body-information owner
4	Initiation operation	transferring information on the issued certificate of origin (ESS.VN.OPR.001)
5	Respondent	customs authority-information receiver
6	Receiving operation	receiving and processing of information on the issued certificate of origin (ESS.VN.OPR.002)
7	Result of transaction	certificates of origin (ESS.VN.BEN.001): information on the issued certificate of origin is received
8	Parameters of transaction:	
	time to confirm receipt	5 min
	time to confirm acceptance for	20 min

No.	Parameter	Description
	processing	
	time to wait for response	20 min
	number of retries	3
9	Messages of transaction:	
	initiation message	information on the issued certificate of origin (ESS.VN.MSG.001)
	response message	notice of the results of processing of information (ESS.VN.MSG.002)

9.4.2. Parameters of the transaction "Receiving information on the certificate of origin"

Parameters of the transaction "Receiving information on the certificate of origin" (ESS.VN.TRN.002) are given in Table 20.

Table 20

Description of the transaction "Receiving information on the certificate of origin" (ESS.VN.TRN.002)

No.	Parameter	Description
1	Designation	ESS.VN.TRN.002
2	Name of transaction	receiving information about the certificate of origin
3	Initiator	customs authority-information receiver
4	Initiation operation	requesting for information on the certificate of origin (ESS.VN.OPR.004)
5	Respondent	authorized body-information owner
6	Receiving operation	providing information on the certificates of origin (ESS.VN.OPR.005)

No.	Parameter	Description
7	Result of transaction	certificates of origin (ESS.VN. BEN.001): information on the certificate of origin is absent certificates of origin (ESS.VN.BEN.001): information on the issued certificate of origin is provided
8	Parameters of transaction:	
	time to confirm receipt	5 min
	time to confirm acceptance for processing	5 min
	time to wait for response	10 min
	number of retries	3
9	Messages of transaction:	
	initiation message	request for information about the certificate of origin (ESS.VN.MSG.004)
	response message	providing information on the certificate of origin (ESS.VN.MSG.005); notice on absence of information (ESS.VN.MSG.003)

9.5. Acknowledgment signals and exception signals

The namespaces used for description of the structure and the requisite composition of acknowledgment signals and exception signals are given in Table 21.

Table 21

Namespaces

Prefix	Address
xs	http://www.w3.org/2001/XMLSchema
sgn	urn: certificate:signal:v1.0

The base data types used for description of the structure and the requisite composition of acknowledgment signals and exception signals are given in Table 22.

Table 22

Base data types

Name	Description
sgn:EDocIdType	the document identifier, which is a UUID in accordance with standard ISO/IEC 9834-8:2005. String of symbols with framework [0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}
sgn:DateTimeType	the Gregorian calendar date and time in the format of ISO 8601 "Data elements and interchange formats — Information interchange — Representation of dates and types"
sgn:ErrorCodeType	designation of the Control Error. String consists of 1 to 255 symbols
sgn:StringType	textual arbitrary information. A string is of arbitrary length

9.5.1. The acknowledgment signal "Received"

The respondent will send the acknowledgment signal "Received" at the moment when the step of the structural block content control is made.

P.MSG.RCV message code for the acknowledgment signal "Received" will be used when the wsa:Action header, identifying the contents of the business process message, is formed. Other components of the data on message content are specified in accordance with the rules for forming the wsa:Action header for applied messages as described in Section 7.2.

The structure and requisite composition of the acknowledgment signal "Received" are given in Table 23.

Table 23

The structure and requisite composition of the acknowledgment signal "Received"

Element	Data type	Description	Mult.
sgn:DeliveryReceipt	sgn:DeliveryReceiptType	wrapping element of the acknowledgment signal "Received"	
sgn:SignalId	sgn:EDocIdType	signal identifier	1
sgn:DateTime	sgn:DateTimeType	date and time of the acknowledgment signal forming "Received"	1

9.5.2. The acknowledgment signal "Accepted for processing"

The acknowledgment signal "Accepted for processing" is sent by a respondent before processing of the body block data.

P.MSG.PRS message code for the acknowledgment signal "Accepted for processing" will be used when the wsa:Action header, identifying the contents of the business process message, is formed.

Other components of the data on message content are specified in accordance with the rules of forming of the wsa:Action header for applied messages as described in Section 7.2 of these Technical Specifications.

The structure and requisite composition of the acknowledgment signal "Accepted for processing" are given in Table 24.

Table 24

The structure and requisite composition of the acknowledgment signal "Accepted for processing"

Element	Data type	Description	Mult.
sgn:ProcessingReceipt	sgn:ProcessingReceiptType	wrapping element of the acknowledgment signal "Accepted for processing"	
sgn:SignalId	sgn:EDocIdType	signal identifier	1
sgn:DateTime	sgn:DateTimeType	date and time of the acknowledgment signal forming "Accepted for processing"	1

9.5.3. The exception signal "Error"

The situation, when the respondent sends the exception signal "Error" to the initiator, occurs in the following cases:

a) the respondent has accepted the business process message, which was not expected to be received within a transaction execution;

b) the respondent has found errors during the structural control of the body block or format-logic control of the body block;

c) an unrecoverable error, making it impossible to perform applied data processing, occurred on the applied data processing step.

The situation, when the respondent has received the business process message, which was not expected to be received within a transaction execution, occurs in the following cases:

the message received is a business process message or an acknowledgment signal, and thus it does not apply to transactions executed by the respondent;

the respondent is not authorized to process the message received (if they do not participate in information interaction, procedure or transaction).

In these cases, the value (code) "Common:UnexpectedMessage" is assigned to the designation of Control Error (field sgn:Code) of the exception signal "Error".

If the respondent finds an error during the structural control of the body block, the value (code) "Common:DataError" is assigned to the designation of Control Error (box sgn:Code) of the exception signal "Error".

If the respondent finds an error during the format-logical control of the business process message, the value of rule code is assigned to the designation of Control Error (sgn:Code field) of the exception signal "Error", within checking of which an error occurred according to Table 29.

If there is a situation, when an unrecoverable error occurred on the step of body block data processing, making it impossible to perform data processing, the value (code) "Common:FatalError" is assigned to the designation of Control Error (field sgn:Code) of the exception signal "Error".

List of unrecoverable errors is determined by the participant of electronic information exchange independently.

P.MSG.ERR message code for the exception signal "Error" will be used when the wsa:Action header, identifying the contents of the business process message, is formed. Other components of the data on message content are specified in accordance with the rules of forming of the header wsa:Action for applied messages.

The structure and requisite composition of the exception signal "Error" are given in Table 25.

Table 25

The structure and requisite compositon of the exception signal "Error"

Element	Data type	Description	Mult.
sgn:ValidationError	sgn:ValidationErrorType	wrapping element of the exception signal "Error"	
sgn:SignalId	sgn:EDocIdType	identifier of the exception signal "Error"	1
sgn:DateTime	sgn:DateTimeType	date and time of the exception signal forming "Error"	1
sgn:Error	sgn:ErrorType	wrapping element	1..*
sgn:Code	sgn:ErrorCodeType	error designation	1
sgn:Description	sgn:StringType	error text value	1
sgn:Details	sgn:StringType	error detailed data	0..1
sgn:EDocId	sgn:EDocIdType	document identifier, in which the error occurs. It is completed if the error is related to a certain document and the document identifier was extracted	0..1
sgn:Reference	sgn:StringType	a string of symbols that allows to uniquely locate the item that caused the error	0..1

To participate in the information interaction, the participants of electronic information exchange shall implement the services enforcing Business Process Procedures on their side.

Description of services in WSDL-format is given in Appendix F.

9.6. Error process message

If an error occurs at the step of the process control of a message, an error process message shall be formed. Error process message body block shall contain elements specified in Table 26.

Table 26

Composition of the process message body block

Element	Data type	Description	Mult.
soap:Fault	soap:Fault	block wrapping element	
soap:Code	soap:faultcode	wrapping element	1
soap:Value	soap:faultcodeEnum	error class	1
soap:Subcode	soap:subcode	error code wrapping element	1
soap:Value	xs:QName	error code	1
soap:Reason	soap:faultreason	wrapping element of the error text description	1
soap:Text	soap:reasontext	block of the error text description	1..*
@xml:lang	–	language identifier	1
soap:Detail	soap:detail	error details	0..1

The soap:Code/soap:Value element shall be completed in accordance with SOAP 1.2 specification.

The soap:Code/soap:Subcode/soap:Value element shall contain an error code.

The list of standard error codes and rules on the use of codes from WS-Addressing 1.0 – Binding specification are provided in Table 27.

Table 27

Typical errors codes

Error class	Error code	Description and application features
soap:Sender	wsa:InvalidAddressingHeader	used in accordance with the rules defined by WS-Addressing 1.0–Binding specification with the following restrictions: Subsubcode values are not used, wsa:DuplicateMessageID error type is not generated and is not sent
soap:Sender	wsa:MessageAddressingHeaderRequired	used according to the rules, defined by WS-Addressing 1.0–Binding specification
soap:Sender	wsa:DestinationUnreachable	used according to the rules, defined by WS-Addressing 1.0–Binding specification
soap:Sender	wsa:ActionNotSupported	used according to the rules, defined by WS-Addressing 1.0–Binding specification
soap:Sender	int:InvalidHeader	one or more specific headers are missing
soap: Receiver	wsa:EndpointUnavailable	used according to the rules, defined by WS-Addressing 1.0–Binding specification with the following restrictions: the element wsa:RetryAfter shall not be used while implementation of the electronic information exchange
soap: Receiver	int:InternalError	an unexpected error occurred while processing the message
soap:Sender	int:DataError	received applied data have an incorrect structure

The soap:Text element shall contain the error text description.

Each soap:Text element shall contain the xml:lang language identifier, formed in accordance with XML 1.0 specification.

If there is a set of soap:Text elements in the error process message, each of these elements shall contain the xml:lang language identifier, that differs from the IDs of other soap:Text elements.

The error process message shall contain at least one soap:Text element, the

contents of which is presented in English, and the xml:lang language identifier shall contain "en" value.

The soap:Detail optional element shall include information detailing the error.

9.7. Services technical implementation

Electronic information exchange between the External Gateway and information interaction services provided by National Single Window of Viet Nam is performed using SOAP services.

The SOAP service shall be implemented on each side, both the External Gateway and Viet Nam side.

To implement electronic information exchange within the EOCVS defined in these Technical Specifications, EECVNCERTIFICATION service shall be used.

The list of EECVNCERTIFICATION service methods is given in Table 28.

Table 28

List of EECVNCERTIFICATION service methods

No.	Method	Description
1	sendCertificateDetails	providing information on the issued certificate of origin
2	sendRequestCertificateDetails	receiving information about the certificate of origin
3	sendResultCertificateDetails	receiving results of processing containing information on the certificate of origin
4	sendSignal	receiving of signals on the current processing status
5	sendResult	receiving of the processing result

9.7.1. The method "sendCertificateDetails"

Purpose: implementation of the operation "Receiving and processing of information on the issued certificate of origin" (ESS.VN.OPR.002)

Business process procedure: ESS.VN.PRC.001

SOAP method: sendCertificateDetails

Description: providing information on the issued certificate of origin (carried out by calling the sendCertificateDetails method by the respondent (receiver) of the message "Information on the issued certificate of origin" (ESS.VN.MSG.001)).

Input parameters: ESS.VN.MSG.001 (Certificate)

Output parameters: no data

Description of the operation algorithm:

Message processing steps within the execution of the service shall comply with the rules specified in Section 9.3 of these Technical Specifications:

1. Process control of the message;
2. Structural control of the body block;
3. Processing of the data block.

For the services, being implemented on Viet Nam side, all the message processing stages shall be executed.

For the services implemented on the External Gateway, steps 1 and 2 shall be executed. Processing step 3 is implemented and executed within Information Systems of the receiving customs authorities of the Member States.

Structural control of the body block involves the check of the message structure "Information on the issued certificate of origin" (ESS.VN.MSG.001) for compliance with the structure "Information on the certificate of origin" (Certificate) provided in Appendices B and C of these Technical Specifications.

If the results of message process control and body block structural control are successful, the acknowledgment signal "Received" shall be generated and sent. The acknowledgement signal "Received" is transmitted by calling the method "Receiving of signals on the current processing status" (sendSignal) on the side of the original message sender.

If process control of the message resulted in errors, the receiver shall send an error process message of the soap:Sender class to the sender. A detailed description of the error process message is provided in Section 9.6 of these Technical Specifications.

Before processing of the body block data, the acknowledgment signal

"Accepted for processing" shall be generated and sent. The acknowledgement signal "Accepted for processing" is transmitted by calling the method "Receiving of signals on the current processing status" (sendSignal) on the side of the original message sender.

Requirements for the method of message body block data processing and requirements for the storage of message processing results are defined by information interaction participants.

If the body block data is processed successfully, the message "Notice on the results of processing of information" (ESS.VN.MSG.002) containing results of processing of information on the certificate of origin shall be prepared and sent. The message is transmitted using the method "Receiving of processing result" (sendResult) on the side of the original message sender.

If an error occurred during the body block data processing, the exception signal "Error" shall be prepared and sent in accordance with the rules from Section 9.5.3 of these Technical Specifications.

The list of potential errors within the implementation of the transaction "Providing information on the issued certificate of origin" (ESS.VN.TRN.001) is given in Table 29.

Table 29

Error code	Error description	Description of checking within body block processing
1	Duplication error. Registration number of the certificate is found among previously transmitted certificates.	The CancellationDateTime ("Date of certificate annulment") requisite is not filled within previously provided information on the issued certificate, and the "Certificate registration number" ID requisite value is found within previously transferred certificates

The exception signal "Error" is transmitted by calling the method "Receiving of signals on the current processing status" (sendSignal) on the side of the original message sender.

9.7.2. The method "sendRequestCertificateDetails"

Purpose: implementation of the operation "Providing information on the certificate of origin" (ESS.VN.OPR.005)

Business process procedure: ESS.VN.PRC.002

SOAP method: sendRequestCertificateDetails

Description: receiving information on the certificate of origin (carried out by calling the sendRequestCertificateDetails method on the receiver side of the message "Request for information on the certificate of origin" (ESS.VN.MSG.004)).

Input parameters: ESS.VN.MSG.004 (Request)

Output parameters: no data

Description of the operation algorithm:

Message processing steps within the execution of the service shall comply with the rules specified in Section 9.3 of these Technical Specifications:

1. Process control of the message;
2. Structural control of the body block;
3. Processing of the data block.

For the services, being implemented on Viet Nam side, all the message processing stages shall be executed.

For the services implemented on the External Gateway, steps 1 and 2 shall be executed. Processing stage 3 is implemented and executed in information systems of the authorized body-information owner of Member States.

Structural control of the body block involves the check of the message structure "Request for information on the certificate of origin" (ESS.VN.MSG.004) for compliance with the structure "Request for information on certificates of origin" (Request) provided in Appendices B and C of these Technical Specifications.

If the results of message process control and body block structural control are successful, the acknowledgment signal "Received" shall be generated and sent. The acknowledgement signal "Received" is transmitted by calling the method "Receiving of signals on the current processing status" (sendSignal) on the side of the original message sender.

If process control of the message resulted in errors, the receiver shall send an error process message of the soap:Sender class to the sender. A detailed description of the error process message is provided in Section 9.6 of these Technical Specifications.

Before processing of the body block data, the acknowledgment signal "Accepted for processing" shall be generated and sent. The acknowledgement signal "Accepted for processing" is transmitted by calling the method "Receiving of signals on the current processing status" (sendSignal) on the side of the original message sender.

If the information that satisfies the request was found, the message "Providing information on the certificate of origin" (ESS.VN.MSG.005) containing the information found shall be generated and sent. The message is transmitted using the method "Receiving of processing results containing information on the certificate of origin" (sendResultCertificateDetails) on the side of the original message sender.

If the information that satisfies the request was not found, the message "Notice on absence of information" (ESS.VN.MSG.003) shall be generated and sent. The message is transmitted using the method "Receiving of processing result" (sendResult) on the side of the original message sender.

If an error occurred during the body block data processing, the exception signal "Error" shall be prepared and sent in accordance with the rules from Section 9.5.3 of these Technical Specifications.

9.7.3. The method "sendResultCertificateDetails"

Purpose: implementation of the operation "Receiving and processing of information on the issued certificate of origin" (ESS.VN.OPR.006);

Business process procedure: ESS.VN.PRC.002;

SOAP method: sendResultCertificateDetails

Description: receiving the results of processing containing information on the certificate of origin (carried out by calling the sendResultCertificateDetails method on the receiver side of the message "Information on the certificate of origin provided in response to the request" (ESS.VN.MSG.005)).

Input parameters: ESS.VN.MSG.005 (Certificate)

Output parameters: no data

Description of the operation algorithm:

Message processing steps within the execution of the service shall comply with the rules specified in Section 9.3 of these Technical Specifications:

1. Process control of the message;
2. Structural control of the body block;
3. Processing of the data block.

For the services, being implemented on Viet Nam side, all the message processing stages shall be executed.

For the services implemented on the External Gateway, steps 1 and 2 shall be executed. Processing step 3 is implemented and executed within Information Systems of the receiving customs authorities of the Member States.

Structural control of the body block involves the check of the message structure "Information on the issued certificate of origin provided in response to the request" (ESS.VN.MSG.005) for compliance with the structure "Information on the certificate of origin" (Certificate) provided in Appendices B and C of these Technical Specifications.

If process control of the message resulted in errors, the receiver shall send an error process message of the soap:Sender class to the sender. A detailed description of the error process message is provided in Section 9.6 of these Technical Specifications.

Requirements for the method of message body block data processing and requirements for the storage of message processing results are defined by information interaction participants.

If an error occurred during the body block data processing, the exception signal "Error" shall be prepared and sent in accordance with the rules from Section 9.5.3 of these Technical Specifications.

The exception signal "Error" is transmitted by calling the method "Receiving of signals on the current processing status" (sendSignal) on the side of the original

message sender.

9.7.4. The method "sendSignal"

Purpose: Implementation of receiving and processing of acknowledgment signals and exception signals.

Business process procedure:

ESS.VN.PRC.001;

ESS.VN.PRC.002;

SOAP method: sendSignal

Description: Receiving of signals on the current processing status

Input parameters:

P.MSG.ERR

P.MSG.PRS

P.MSG.RCV

Output parameters: no data

Description of the operation algorithm:

The procedure is defined by the signal type and transaction during which the signal was received (see Section 5.3 of these Technical Specifications).

9.7.5. The method "sendResult"

Purpose: Implementation of the following operations:

"Receiving and processing of the notice on the results of processing of information on the issued certificate of origin" (ESS.VN.OPR.003);

"Receiving and processing of information on the certificate of origin" (ESS.VN.OPR.006);

Business process procedure:

ESS.VN.PRC.001;

ESS.VN.PRC.002;

SOAP method: sendResult

Description: Receiving of data processing result

Input parameters:

ESS.VN.MSG.002;

ESS.VN.MSG.003;

Output parameters: no data

Description of the operation algorithm:

The procedure is defined by the message code and transaction, during which the signal was received (see Section 5.3 of these Technical Specifications).

X. Information protection

The information transmitted within the business process is the information of restricted access (confidential information), the access of third parties to this information is limited, and its uncontrolled distribution is not allowed.

The Member States, the Socialist Republic of Viet Nam and the Commission shall protect information in its transferring, receiving and processing within their area of responsibility.

When information is transferred within the information space of the Member State, it is protected in accordance with the legislation and technical requirements for ensuring information protection in force on the territory of the Member State concerned.

When transmitting information within the information space of Viet Nam, the protection is ensured in accordance with the legislation and the technical requirements for information protection in force on the territory of Viet Nam.

The Commission and the General Department of Viet Nam Customs shall protect information transmitted between the IIS and the National Single Window of Viet Nam.

When transmitting information using IIS functions of protection of information from unauthorized access, information security and permanence upon unauthorized or accidental impacts is provided by means of IIS.

When transmitting and receiving information through communication channels between the External Gateway and the National Single Window of Viet Nam, the information shall be protected by means of virtual private network (VPN) using hardware-software and/or software solutions. The authentication of the interacting parties and the encryption of the transmitted data shall be organized using the IPSec (RFC 2401–2412) and IPlir (P1323565.1.034-2020) protocols.

To implement cooperation with the services two cryptographic data channels shall be used:

channel for transferring data from Viet Nam to the Commission built on the Pulse Secure Gateway VPN gateway and controlled by Viet Nam;

channel for transferring data from the Commission to Viet Nam built on the VipNet Coordinator HW VPN gateway and controlled by the Commission.

Cryptographic keys for VPN channel organization are issued and withdrawn by:

from the side of the Union – by the verification center of the Commission;

from the side of Viet Nam – by the verification center of the National Single Window of Viet Nam.

To ensure the decryption of traffic and its redirection to the service, the objects of Pulse Secure Ipsec VPN Endpoint and VipNet Client Endpoint shall be used. These objects are dedicated workstations with installed VPN gateway software client.

To ensure the flotation of data through encrypted channels, asymmetric routing shall be used.

To ensure the transmission of data from the National Single Window of Viet Nam to the IIS and from the IIS to the National Single Window of Viet Nam, source and destination IP-addresses shall be defined at the electronic information exchange implementation stage.

The applicable parameters of VPN data channels are given in Table 30.

Table 30

No.	Parameter	IPsec	IPlir
	Mode	Tunnelling	tunnelling
	Authentication technique	Pre-shared key (PSK) and public IP-address	keys and identifiers of nodes in the ViPNet network
	Authentication encryption algorithm	ESP hmac-sha1-96	GOST 28147-89 (key length: 256 bits)
	Data encryption algorithm	3des-cbc	GOST 28147-89 (key length: 256 bits)
	IKE encryption algorithm	Diffie-Hellman Group 2, 3des-cbc	—
	SA lifetime	86 400 seconds (24 hours)	—
	SA traffic volume	----	—

The information security solutions defined by these Technical Specifications shall be synchronized with the information security solutions implemented for exchange of customs information between the customs authorities of the Member States and Viet Nam and are determined by these customs authorities.

XI. Emergency procedures

The emergency situations (the situations when data cannot be processed correctly) can arise during information interaction within the Business Process Procedures. Emergency situations appear due to technical faults, timeout, Control Error structure and in other cases.

Receiving any error process messages when performing Business Process Procedures is an emergency situation.

In order to resolve emergency situations, the Parties and the Commission shall provide each other with the information on the persons responsible for providing technical support during the electronic information exchange, their contact details and working hours (providing for timezone differences).

If an emergency situation is not caused by the availability of specific resources, the recipient of the exception signal "Error" and/or error process message (hereinafter referred to as "the Error notice") shall review the message, in regard to which the error notification was received, for compliance with the description of formats and structures of electronic documents, information and requirements for the message control specified in these Technical Specifications, particularly in Appendices B and C. If the non-compliance with specified requirements is detected, the recipient shall take all necessary measures to eliminate the error and send the message again. If non-compliances are not detected, the error notice recipient shall send the message containing information on the emergency situation and the inspection results to the IIS technical support.

The IIS technical support shall review the description of the emergency situation considering the information on the results of inspection carried out by the error notification recipient, prepare guidelines for its elimination, and carry out and/or coordinate works on the elimination in cooperation with the recipient and the sender of the error notice.

If an emergency situation is caused by the unavailability of certain resources, the recipient shall inform the IIS technical support on the emergency situation. If necessary, the IIS technical support shall request additional information from the error notice sender, review the emergency situation, prepare guidelines for its elimination, and carry out and/or coordinate works on the elimination in cooperation with the recipient and the sender of the error notice.

The authorized bodies and central customs authorities of the Member States, Viet Nam and the Commission shall inform each other about maintenance works on their information systems, while these information systems are unable to send and receive messages, not later than 24 hours before these works start.

General recommendations for resolving emergency situations are given in Table 31.

Table 31

Actions in emergency situations

Description of emergency situation	Causes of emergency situation	Description of actions in emergency situation
1	2	3
the transaction Initiator did not receive a response message after the agreed number of retries	technical failures in the transportation system or system software error	send a request to the support service of the integrated information system
the transaction Initiator received an error message	directories and classifiers are not synchronized or XML-schemas of electronic documents (information) are not updated	the transaction initiator needs to check the structure of sent messages, synchronize directories and classifiers. If non-compliances were not found, the transaction Initiator sends the message describing the emergency situation to the technical support of the integrated information system
an error occurred while processing the response message from the respondent within the Initiator's information system	error in checking and processing of the message content block on the side of the transaction Initiator	the transaction Initiator shall check the content block for the correctness of the transmitted information and send a message describing the emergency situation to the technical support of the transaction Respondent

XII. Applicable standards

The list of international and industrial standards used in the electronic information exchange implementation and these Technical Specifications development is given in Table 32.

Table 32

The list of applicable standards

Classifier name	Reference
1	2
Classifier of transport means categories UN/Recommendation 19	http://www.unece.org/fileadmin/DAM/cefact/recommendations/rec19/rec19_01cf19e.pdf
Codes for types of cargo, packages and packaging materials EDIFACT codes (7065) = UN/ECE Recommendation 21 Annex VI	https://www.unece.org/fileadmin/DAM/cefact/recommendations/rec21/rec21rev1_ecetrd195e.pdf
Country classifier EDIFACT codes (3207) = ISO 3166-2	https://www.iso.org/obp/ui/#iso:std:iso:3166:-1:ed-3:v1:en,fr
ISO 8601:2004 international standard. Representation of date and time	https://www.iso.org/obp/ui/#iso:std:iso:8601:ed-3:v1:en
Harmonized Commodity Description and Coding System	http://www.wcoomd.org/en/topics/nomenclature/instrument-and-tools/hs-nomenclature-2017-edition/hs-nomenclature-2017-edition.aspx
ISO/IEC 9834-8:2014. Information technology. Procedures for the operation of object identifier registration authorities. Part 8: Generation of universally unique identifiers (UUIDs) and their use in object identifiers	https://www.iso.org/obp/ui/#iso:std:iso-iec:9834:-8:ed-3:v1:en
UN/EDIFACT Code Lists 1001, 3035, 3131, 3155, 3207, 3229, 7065, 8053	https://unece.org/fileadmin/DAM/trade/edifact/code/1001cl.htm https://unece.org/fileadmin/DAM/trade/untdid/d97b/uncl/uncl3035.htm https://unece.org/fileadmin/DAM/trade/untdid/d15a/tred/tred3131.htm https://unece.org/fileadmin/DAM/trade/untdid/d13a/tred/tred3155.htm https://unece.org/fileadmin/DAM/trade/untdid/d14a/tred/tred3207.htm https://unece.org/fileadmin/DAM/trade/edifact/code/3229cl.htm https://unece.org/fileadmin/DAM/trade/untdid/d14a/tred/tred7065.htm https://unece.org/fileadmin/DAM/trade/edifact/code/8053cl.htm
Extensible Markup Language (XML) 1.0 (Fifth Edition). W3C Recommendation	https://www.w3.org/TR/2008/REC-xml-20081126/

Classifier name	Reference
1	2
ISO/IEC 40210:2011 Information technology. W3C SOAP — Version 1.2. Part 1, Part 2 and others	https://www.iso.org/ru/ics/35.080/x/
ISO/IEC 19505-1-2012 Information technology. Object Management Group Unified Modeling Language (OMG UML). Part 1: Infrastructure ISO/IEC 19505-2-2012 Information technology. Object Management Group Unified Modeling Language (OMG UML). Part 2: Superstructure	https://www.omg.org/spec/UML/ https://www.omg.org/spec/UML/2.5.1/PDF
RFC 2401–2412	https://www.ietf.org/rfc/

XIII. Implementation order

To implement the electronic information exchange, the Parties shall:

appoint persons on the part of the Participants of electronic information exchange, as well as on the part of the Commission responsible for ensuring the electronic information exchange, and perform mutual exchange of information about persons mentioned above;

synchronize directories and classifiers specified in Appendix E hereto between the Parties;

synchronize information from national directories and classifiers used for the formation of electronic messages;

modify the software of authorized bodies and central customs authorities of the Member States and Viet Nam in terms of formation and maintenance of information resources containing information on certificates of origin;

develop software components that implement the electronic information exchange;

provide secure communication channels between the External gateway and the National Single Window of Viet Nam;

perform an internal, integrated and inter-state testing;

modify the software based on the test results.

Appendix A. Scope of information to be exchanged within implementation of electronic information exchange

Table A1

Data list from a certificate of origin

Name of data	Description	Mult.
1. Designation of the form of the certificate	the «EAV» code of the certificate is specified	1
2. Designation of special marks	the code designating the following is specified: ORG - the issued certificate of origin is the original; DBL - the issued certificate of origin is the duplicate of the certificate of origin; CHG - the certificate of origin is issued in substitution of the original certificate of origin	1
3. Data on the certificate	data according to the list provided in Table A2 are specified	1
4. Data on the country which issued the certificate	the code and the name of the country in which the certificate of origin was issued is specified	1
5. Data on the country for which the certificate is issued	the code and the name of the country for which the issued certificate of origin is intended is specified	1
6. Date of annulment of the certificate	if necessary the date of annulment (recall) of the certificate is specified	0..1
7. Date of modification of the certificate	if necessary the date of modification of the certificate of origin according to article 4.21 of FTA is specified	0..1
8. Code designation of the certificate category	if necessary, the R.TR code is specified designating that the certificate of origin was issued afterwards.	0..1
9. Data on earlier issued certificate	the registration number and the date of the certificate (issue) of earlier issued certificate of origin (according to Table A2) are specified if the certificate of origin is duplicate or issued in substitution of the original certificate (data at number 2 are «DBL» or «CHG»).	0..*
10. Data on the country of origin	the code and the name of the country of origin of goods (the Member State of the Eurasian Economic Union or the Viet Nam) is specified	1
11. Data on the authorized body	the code of the authorized body which issued the certificate of origin including the name of authorized body is specified	1
12. Data of the certificate verification	data on the place of the certificate verification are specified	1
13. Information about the applicant	data on the place and date of announcement of data and also the information about the applicant are specified	1
14. Data on consignment	contain data according to the list provided in Table A3 of this Appendix	1
15. Date and time of recording of data	date and time of recording of data of the certificate of origin are specified	1

Table A2

Document data list

Name of data	Description	Mult.
1. Certificate identifier	the registration number of the certificate of origin is specified	1
2. Unique identification number of the certificate	the unique identification number of the certificate is specified	0..1
3. Date of the certificate verification (issue)	date of the certificate verification (issue) is specified	1
4. Expiration date of the certificate	expiration date of the certificate is specified	1

Table A3

Consignment data list

Name of data	Description	Mult.
1. Information about the exporter	information about the exporter of goods, including the name of the exporter, and the address including the country code of the exporter are specified	1
2. Information about the importer	information about the importer of goods, including the name of the importer and the address including the country code are specified	1
3. Information about the receiver (consignee) of goods	information (if it is known) about the consignee of goods, including name of a consignee and the address including the country code is specified	0..1
4. Data on a route of transportation of goods	data on a route of transportation of goods are specified	0..1
5. Data on goods	data according to the list provided in Table A4 of this Appendix are specified	1..*

Table A4

Goods data list

Name of data	Description	Mult.
1. Sequence number	sequence number of goods	1
2. Data on packaging of goods	data on a code of a type of packaging of goods and their name and also on the number of packagings of each type are specified	1..*
3. A commodity code according to HS	the commodity code according to the harmonized system at the level of 6 signs is specified	1
4. Description of goods	the detailed description of goods is specified, if applicable ,the name of model and trademark allowing	1

Name of data	Description	Mult.
	to identify goods	
5. Additional marks	the additional marks on goods provided by FTA are specified	0..1
6. Data on criteria of goods origin	the code of designation of origin criterion according to the list is specified: WO – goods are wholly obtained or produced in a Party as provided for in article 4.4 of FTA; PE – goods are produced entirely in the territory of one or both Parties, exclusively from originating materials from one or both Parties; PSR – goods are produced in the territory of a Party using non-originating material and satisfies the requirements as specified in Annex 3 FTA	1
7. Gross weight	data on gross weight in kilograms or in other measurement, quantity of goods in units with the indication of unit code from the measurement units list	0..1
8. Invoice data	data according to the list provided in Table A5 of this Appendix are specified	1..*

Table A5

Invoice data list

Name of data	Description	Mult.
1.Invoice information	the document type code, number and document date are specified	1
2. Additional features:	if the invoice is issued in the Third Country and provided for delivery to the importing country, a mark of TCI is given and:	
2.1	number and date of invoice, as well as the name and the country of the company which issued such invoice;	0..1
2.2	information that the invoice will be issued later, as well as the trade name and the address of a physical person or a legal entity which will issue this invoice in the Third Country;	0..1
2.3	number and date of invoice of the exporter (issued in the Union/Viet Nam).	0..1

Appendix B. Structure of information transmitted

Table B1

Imported namespaces

№	Namespace identifier	Prefix
1	2	3
1	urn:wco:datamodel:WCO:DS:1	ds
2	urn:un:unece:uncefact:data:standard:QualifiedDataType:5	qdt
3	http://www.w3.org/2001/XMLSchema	xsd
4	urn:un:unece:uncefact:codelist:standard:UNECE:ScheduleTaskRelationshipType:D08A	clm69673
5	urn:un:unece:uncefact:codelist:standard:UNECE:PaymentMeansCode:D08A	clm64461
6	urn:un:unece:uncefact:codelist:standard:UNECE:ReportingThresholdTriggerType:D08A	clm69667
7	urn:un:unece:uncefact:codelist:standard:UNECE:ScheduleTaskType:D08A	clm69675
8	urn:un:unece:uncefact:codelist:standard:UNECE:PaymentMethodCode:D08A	clm64439
9	urn:un:unece:uncefact:codelist:standard:UNECE:ResourceCostCategory:D08A	clm69669
10	urn:un:unece:uncefact:identifierlist:standard:UNECE:PaymentTermsDescriptionIdentifier:D08A	ids64277
11	urn:un:unece:uncefact:codelist:standard:UNECE:TransportModeCode:2	clm6Recommendation19
12	urn:un:unece:uncefact:codelist:standard:UNECE:PriceTypeCode:D08A	clm65375
13	urn:un:unece:uncefact:codelist:standard:UNECE:ProjectTypeCode:D08A	clm69665
14	urn:un:unece:uncefact:codelist:standard:UNECE:SecurityClassificationType:D08A	clm69677
15	urn:un:unece:uncefact:codelist:standard:UNECE:ResourcePlanMeasureType:D08A	clm69671
16	urn:un:unece:uncefact:codelist:standard:UNECE:PaymentGuaranteeMeansCode:D08A	clm64431

№	Namespace identifier	Prefix
1	2	3
17	urn:un:unece:uncefact:codelist:standard:UNECE:TransportMeansTypeCode:2007	clm6Recommendation28
18	urn:un:unece:uncefact:codelist:standard:UNECE:MessageFunctionCodeAcknowledgement:D08A	clm61225Acknowledgement
19	urn:un:unece:uncefact:codelist:standard:UNECE:FundingTypeCode:D08A	clm69659
20	urn:un:unece:uncefact:codelist:standard:UNECE:EventTimeReferenceCodePaymentTermsEvent:D08A	clm62475PaymentTermsEvent
21	urn:un:unece:uncefact:codelist:standard:UNECE:EarnedValueCalculationMethod:D08A	clm69657
22	urn:un:unece:uncefact:codelist:standard:UNECE:DocumentStatusCode:D08A	clm61373
23	urn:un:unece:uncefact:codelist:standard:UNECE:AdjustmentReasonDescriptionCode:D08A	clm64465
24	urn:un:unece:uncefact:codelist:standard:UNECE:DocumentNameCode:D08A	clm61001
25	urn:un:unece:uncefact:codelist:standard:UNECE:DeliveryTermsCode:D08A	clm64053
26	urn:un:unece:uncefact:codelist:standard:UNECE:CostManagementCode:D08A	clm69653
27	urn:un:unece:uncefact:codelist:standard:UNECE:DutyorTaxorFeeCategoryCode:D08A	clm65305
28	urn:un:unece:uncefact:codelist:standard:UNECE:DocumentNameCodeBillingDocument:D08A	clm61001BillingDocument
29	urn:un:unece:uncefact:codelist:standard:UNECE:CostReportingCode:D08A	clm69655
30	urn:un:unece:uncefact:codelist:standard:UNECE:HierarchicalStructureTypeCode:D08A	clm69661
31	urn:un:unece:uncefact:codelist:standard:UNECE:ContractTypeCode:D08A	clm69651
32	urn:un:unece:uncefact:codelist:standard:UNECE:DutyTaxFeeTypeCode:D08A	clm65153
33	urn:un:unece:uncefact:codelist:standard:UNECE:EventTimeReferenceCode:D08A	clm62475

№	Namespace identifier	Prefix
1	2	3
34	urn:un:unece:uncefact:codelist:standard:UNECE:MeasurementUnitCommonCodeDuration:4	clm6Recommendation20Duration
35	urn:un:unece:uncefact:identifierlist:standard:5:ISO316612A:SecondEdition2006VI-3	ids5ISO316612A
36	urn:un:unece:uncefact:codelist:standard:IANA:MIMEMediaType:2008-11-12	clmIANAMIMEMediaType
37	urn:un:unece:uncefact:codelist:standard:IANA:CharacterSetCode:2007-05-14	clmIANACharacterSetCode
38	urn:un:unece:uncefact:codelist:standard:6:0133:40106	clm60133
39	urn:un:unece:uncefact:codelist:standard:5:ISO42173A:2008-11-12	clm5ISO42173A
40	urn:un:unece:uncefact:codelist:standard:6:Recommendation20:5	clm6Recommendation20
41	urn:un:unece:uncefact:data:standard:UnqualifiedDataType:6	udt

Table B2

Requisite composition of an electronic document (data) structure
«Information about certificate of origin» (Certificate)

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
RootDocument		Certificate data	ds:RootDocumentType			1
1	CancelIationDateTime	Date of the certificate annulment Optional	ds:RootDocumentIssueDateTimeType Format – an..17. UNTDID 2379 = 304 CCYYMMDDHHMMSSZZZ Z=Time zone	Appendix A Tab A1 line 6	Absent at form	0..1
2	EffectiveDateTime	Date of certificate information change Optional	ds:RootDocumentEffectiveDateTimeTyp Format – an..17. UNTDID 2379 = 304 CCYYMMDDHHMMSSZZZ Z=Time zone	Appendix A Tab A1 line7	Absent at form	0..1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
3	ExpirationDateTime	Expiration date of the certificate Mandatory	ds:RootDocumentExpirationDateTimeType Format – an..17. UNTDID 2379 = 304 CCYYMMDDHHMMSSZZZ Z=Time zone	Appendix A Tab A2 line 4	Absent at form	1
4	FunctionCode	Function code: Mandatory One of the values is specified: ORG - the issued certificate of origin is the original; DBL - the issued certificate of origin is the duplicate of the certificate of origin; CHG - the certificate of origin is issued in substitution of the original certificate of origin	ds:RootDocumentFunctionCodeType Format – an..3. EDIFACT codes (1225)	Appendix A Tab A1 line 2	5	1
5	FunctionalReferenceID	Certificate unique identifier Optional	ds:RootDocumentFunctionalReferenceIDType Format – an..35	Appendix A Tab A2 line 2	4	0..1
6	ID	Registration number of the certificate Mandatory	ds:RootDocumentIdentificationIDType Format – an..35	Appendix A Tab A2 line 1	4	1
7	IssueDateTime	Date of certificate issue Mandatory	ds:RootDocumentIssueDateTimeType Format – an..17. UNTDID 2379 = 304 CCYYMMDDHHMMSSZZZ Z=Time zone	Appendix A Tab A2 line 3	12	1
8	issueLocationID	Place of certificate issue Mandatory	ds:RootDocumentIssueLocationIdentificationIDType Format – an..5 UN/LOCODE	Appendix A Tab A1 line 4	12	1
9	TypeCode	Type of the certificate, coded.. Mandatory Fixed value «EAV»	ds:RootDocumentTypeCodeType Format – an..3	Appendix A Tab A1 line 1	4	1
10	AdditionalDocument	Additional Information	Defined by the types of nesting elements	see lines 11-46	see lines 11-46	1
11	IssueDateTime	ApplicationDate Mandatory	ds:AdditionalDocumentIssueDateTimeType	Appendix A Tab A1 line 13	13	1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
			Format – an..17. UNTDID 2379 = 304 CCYYMMDDHHMMSSZZZ Z=Time zone			
12	issueLocationID	Application Place, coded Mandatory	ds:AdditionalDocumentIssueLocationIdentificationIDType Format – an..5 UN/LOCODE	Appendix A Tab A1 line 13	Absent at form	1
13	IssueLocationName	Application Place Mandatory	ds:AdditionalDocumentIssueLocationNameTextType Format – an..256	Appendix A Tab A1 line 13	13	1
14	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
15	Authenticator	Information about the authorized body that issued the certificate Mandatory	Defined by the types of nesting elements	Appendix A Tab A1 line 11	12	1
16	Name	Name of the authorized body that issued the certificate Mandatory	ds:AuthenticatorNameTextType Format - an..70	Appendix A Tab A1 line 11	12	1
17	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
18	ID	Identifier of the authorized body that issued (authenticated) the certificate Mandatory	ds:AuthenticatorIdentificationIDType Format – an..17. International codes (e.g. DUNS, EAN) or user codes	Appendix A Tab A1 line 11	Absent at form	1
19	RoleCode	RoleCode of the authorized body that issued (authenticated) the certificate Mandatory Fixed value AX.	ds:AuthenticatorRoleCodeType Format – an..3. UNTDID 3035 = AX, Authenticating party	-	Absent at form	1
20	Address	Address Data of authorized body that issued (authenticated) the certificate Mandatory	Defined by the types of nesting elements	Appendix A Tab A1 line 11	12	1
21	TypeCode	Address type code Optional	ds:AddressTypeCodeType	-	Absent at form	0..1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
			Format – an..3. EDIFACT codes (3131)			
22	CityName	City name, city Optional	ds:AddressCityNameTextType Format – an..35	Appendix A Tab A1 line 11	12	0..1
23	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
24	CountryCode	Country code according to ISO 3166 Certificate issued country code. Mandatory	ds:AddressCountryCodeType Format – a2.EDIFACT codes (3207) = ISO 3166-1 2-alpha code	Appendix A Tab A1 line 4 and 11	4	1
25	CountrySubDivision Code	Code of the country subdivision Optional	ds:AddressCountrySubDivisionCodeType Format – an..9. EDIFACT codes (3229) = ISO 3166-2 2-alpha code or User code	Appendix A Tab A1 line 11	12	0..1
26	CountrySubDivision Name	Name of the country subdivision Optional	ds:AddressCountrySubDivisionNameTextType Format – an..35	Appendix A Tab A1 line 11	12	0..1
27	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
28	Line	Building number and street name, or P/O Box Building number Optional	ds:AddressLineTextType Format – an..70	Appendix A Tab A1 line 11	12	0..1
29	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
30	PostcodeID	Post code Optional	ds:AddressPostcodeIDType Format – an..9	Appendix A Tab A1 line 11	12	0..1
31	LPCOAuthorizedParty	Applicant data Mandatory	Defined by the types of nesting elements	Appendix A Tab A1 line 13	13	1
32	Name	Applicant Name Mandatory	ds:LPCOAuthorizedPartyNameTextType Format - an..70	Appendix A Tab A1 line 13	13	1
33	@languageID	Language identifier	xs:language	-	-	0..1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
		Optional "En" by Default	Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt			
34	ID	Identifier of the applicant Optional	ds:LPCOAuthorizedPartyIdentificationIDType Format – an..17. International codes (e.g. DUNS, EAN) or user codes	-	Absent at form	0..1
35	RoleCode	RoleCode of the body that issued (authenticated) the certificate Mandatory Fixed value – DT.	ds:LPCOAuthorizedPartyRoleCodeType Format – an..3. UNTDID 3035 = DT, Declarant	-	Absent at form	1
36	Address	Applicant Address Data Mandatory	Defined by the types of nesting elements	Appendix A Tab A1 line 13	13	1
37	TypeCode	Address type code Optional	ds:AddressTypeCodeType Format – an..3. EDIFACT codes (3131)	-	Absent at form	0..1
38	CityName	City name, city Optional	ds:AddressCityNameTextType Format – an..35	Appendix A Tab A1 line 13	13	0..1
39	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
40	CountryCode	Country code according to ISO 3166 Mandatory	ds:AddressCountryCodeType Format – a2.EDIFACT codes (3207) = ISO 3166-1 2-alpha code	Appendix A Tab A1 line 13	13	1
41	CountrySubDivisionCode	Code of the country subdivision Optional	ds:AddressCountrySubDivisionCodeType Format – an..9. EDIFACT codes (3229) = ISO 3166-2 2-alpha code or User code	Appendix A Tab A1 line 13	13	0..1
42	CountrySubDivisionName	Name of the country subdivision Optional	ds:AddressCountrySubDivisionNameTextType Format – an..35	Appendix A Tab A1 line 13	13	0..1
43	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
44	Line	Building number and street name, or P/O Box Building number Optional	ds:AddressLineTextType Format – an..70	Appendix A Tab A1 line 13	Appendix A Tab A1 line 13-	0..1
45	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
46	PostcodeID	Post code Optional	ds:AddressPostcodeIDType Format – an..9	Appendix A Tab A1 line 13	Appendix A Tab A1 line 13-	0..1
47	AdditionalInformation	Special Marks Mandatory	Defined by the types of nesting elements	Appendix A Tab A1 line 8, 15	see lines 48-52	1..*
48	Content	Additional Information description in free form. Optional Used for transmitting the transfer of information about the certificate issued retroactively (provided that the value is specified in the Statement Code - R.TR)	ds:AdditionalInformationContentTextType Format – an..512	Appendix A Tab A1 line 8, 15	Absent at form	0..1
49	StatementCode	Type code for tha additional information: "R.DT" for data registration date-time in authorized body database, "R.TR" if the certificate was isuued retroactively/ Mandatory	ds:AdditionalInformationStatementCodeType Format – an..17, User codes	Appendix A Tab A1 line 8, 15	Absent at form for 'R.DT', Section 5 for 'R.TR'	1
50	StatementDescription	StatementCode description in free-form. Optional	ds:AdditionalInformationStatementDescriptionTextType Format – n..512	Appendix A Tab A1 line 8, 15	Absent at form	0..1
51	@languageID	Language identifier Optional "En" by Default	Appendix A Tab A1 line 8, 15	-	-	0..1
52	LimitDateTime	Certificate data registration date-time in authorized body database. Mandatory for StatementCode «R.DT», prohibited (0) для StatementCode «R.TR»,	ds:AdditionalInformationLimitDateTimeType Format – an..17. UNTDID 2379 = 304 CCYYMMDDHHMMSSZZZ Z=Time zone	Appendix A Tab A1 line 15	Absent at form	0..1
53	GoodsShipment	Goods shipment Mandatory	Defined by the types of nesting elements	Appendix A Tab A4	6-11	1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
54	ExportationCountryCode	Origin country code according to ISO 3166 Mandatory	ds:GoodsShipmentExportationCountryCodeType Format – a2.EDIFACT codes (3207) = ISO 3166-1 2-alpha code	Appendix A Tab A1 line 10	13	1
55	AdditionalInformation	Additional iformation on invoice issued in the Third Country Optional	Defined by the types of nesting elements	Appendix A Tab A5 line 2	8	0..*
56	Content	Data required: Name and the country of the company which issued the invoice; information that the invoice will be issued later, as well as the trade name and the address of a physical person or a legal entity which will issue this invoice in the third country. Mandatory)	ds:AdditionalInformationContentTextType Format – an..512	Appendix A Tab A5 line 2	8	1
57	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
58	StatementCode	Type Code for the additional information: Invoice is issued in the third country Mandatory Fixed value = «TCI»	ds:AdditionalInformationStatementCodeType Format – an..17, User codes	Appendix A Tab A5 line 2	8	1
59	StatementDescription	StatementCode description in free-form... Mandatory	ds:AdditionalInformationStatementDescriptionTextType Format – n..512	Appendix A Tab A5 line 2	Absent at form	0..1
60	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
61	Consignee	Information about Consignee Optional	Defined by the types of nesting elements	Appendix A Tab 3 line 3	2	0..1
62	Name	Name of Consignee Mandatory	ds:ConsigneeNameTextType Format – an..70	Appendix A Tab A3 line 3	2	1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
63	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
64	ID	Consignee Identifier Optional	ds:ConsigneeIdentificationIDType Format – an..17. International codes (e.g. DUNS, EAN) or user codes	-	Absent at form	0..1
65	RoleCode	Consignee RoleCode Mandatory Fixed value – CN.	ds:ConsigneeRoleCodeType Format – an..3. UNTDID 3035 = CN	-	Absent at form	1
66	Address	Consignee address data Mandatory	The element has an element content	Appendix A Tab A3 line 3	2	1
67	TypeCode	Address type code Optional	ds:AddressTypeCodeType Format – an..3. EDIFACT codes (3131)	-	Absent at form	0..1
68	CityName	City name, city Optional	ds:AddressCityNameTextType Format – an..35	Appendix A Tab A3 line 3	2	0..1
69	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
70	CountryCode	Country code according to ISO 3166 Mandatory	ds:AddressCountryCodeType Format – a2.EDIFACT codes (3207) = ISO 3166-1 2-alpha code	Appendix A Tab A3 line 3	2	1
71	CountrySubDivision Code	Code of the country subdivision Optional	ds:AddressCountrySubDivisionCodeType Format – an..9. EDIFACT codes (3229) = ISO 3166-2 2-alpha code or User code	Appendix A Tab A3 line 3	2	0..1
72	CountrySubDivision Name	Name of the country subdivision Optional	ds:AddressCountrySubDivisionNameTextType Format – an..35	Appendix A Tab A3 line 3	2	0..1
73	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
74	Line	Building number and street name, or P/O Box Building number Optional	ds:AddressLineTextType Format – an..70	Appendix A Tab A3 line 3	2	0..1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
75	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
76	PostcodeID	Post code Optional	ds:AddressPostcodeIDType Format – an..9	Appendix A Tab A3 line 3	2	0..1
77	Contact	Data on Consignee contact persons Optional	Defined by the types of nesting elements	-	Absent at form	0..*
78	Name	Contact person's name Optional	ds:ContactNameTextType Format – an..70	-	Absent at form	0..1
79	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
80	Communication	Information about communication channels Optional	Defined by the types of nesting elements	-	Absent at form	0..*
81	ID	Communication link identifier – phone number, e-mail address etc. Mandatory	ds:CommunicationIdentificationIDType Format – an..50	-	Absent at form	1
82	TypeID	Communication link type: code from EDIFACT Codelist 3155 Optional	ds:CommunicationTypeIDType Format – an..3. EDIFACT codes (3155)	-	Absent at form	0..1
83	Consignment	Route and transport details Optional	Defined by the types of nesting elements	Appendix A Tab A3 line 4	3	0..*
84	BorderTransportMeans	Information about transport means Optional	Defined by the types of nesting elements	Appendix A Tab A3 line 4	3	0..*
85	Name	Border Transport Means Name Optional	ds:BorderTransportMeansNameTextType Format - an..35	Appendix A Tab A3 line 4	3	0..1
86	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
87	ID	Transport means identifier Optional For the road transport – national registration numbers; For the railway transport – registration numbers of vans (platforms, tanks etc); For the sea (maritime) transport – name of a vessel; For the air transport – flight number	ds:BorderTransportMeansIdentificationIDType Format – an..25	Appendix A Tab A3 line 4	3	0..1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
88	TypeCode	Transportation mode code: Mandatory To be filled in: by the authorities of the EAEU in accordance with the classifier of modes of transport and transportation of goods used in the Union; by the authorities of Viet Nam in accordance with the classifier of modes of transport and transportation of goods used in Viet Nam	ds:BorderTransportMeansTypeCodeType Format – an..2 See Table C3	Appendix A Tab A3 line 4	3	1
89	@listAgencyName	Responsible organization Mandatory Values: EAEU, Viet Nam	clm63055:AgencyIdentificationCodeContentType Format – an..18	-	-	1
90	LoadingLocation	Loading Location Data Optional	Defined by the types of nesting elements	Appendix A Tab A3 line 4	3	0..*
91	Name	Loading Location Name Mandatory	ds:LoadingLocationNameTextType an..256	Appendix A Tab A3 line 4	3	1
92	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
93	ID	Loading Location Name, coded Mandatory	ds:LoadingLocationIdentificationIDType Format – an..5 UN/LOCODE	Appendix A Tab A3 line 4	3	1
94	DepartureDateTime	DepartureDateTime Optional	ds:LoadingLocationDepartureDateTimeType Format – an..17. UNTDID 2379 = 304 CCYYMMDDHHMMSSZZZ Z=Time zone	Appendix A Tab A3 line 4	3	0..1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
95	UnloadingLocation	Unloading Location Data Optional	Defined by the types of nesting elements	Appendix A Tab A3 line 4	3	0..*
96	ID	Unloading Location Name, coded Mandatory	ds:UnloadingLocationIdentificationID Type Format – an..5 UN/LOCODE	Appendix A Tab A3 line 4	3	1
97	DeliveryDestination	Certificate destination country code Mandatory	Defined by the types of nesting elements	Appendix A Tab A1 line 5	4	1
98	Address	Certificate destination country code Mandatory	Defined by the types of nesting elements	Appendix A Tab A1 line 5	4	1
99	CountryCode	Code of country certificate to be submitted, according to ISO 3166 Mandatory	ds:AddressCountryCodeType Format – a2. EDIFACT codes (3207) = ISO 3166-1 2-alpha code	Appendix A Tab A1 line 5	4	1
100	Exporter	Exporter Data Mandatory	Defined by the types of nesting elements	Appendix A Tab A3 line 1	1	1
101	Name	Exporter Name Mandatory	ds:ExporterNameTextType an..70	Appendix A Tab A3 line 1	1	1
102	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
103	ID	Exporter Identifier Optional	ds:ExporterIdentificationIDType Format – an..17. International codes (e.g. DUNS, EAN) or user codes	-	Absent at form	0..1
104	RoleCode	Exporter RoleCode Mandatory Fixed value EX.	ds:ExporterRoleCodeType Format – an..3. UNTDID 3035 = EX	-	Absent at form	1
105	Address	Exporter Address Data Mandatory	Defined by the types of nesting elements	Appendix A Tab A3 line 1	1	1
106	TypeCode	Address type code Optional	ds:AddressTypeCodeType Format – an..3. EDIFACT codes (3131)	-	Absent at form	0..1
107	CityName	City name, city Optional	ds:AddressCityNameTextType Format – an..35	Appendix A Tab A3 line 1	1	0..1
108	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
109	CountryCode	Country code according to ISO 3166	ds:AddressCountryCodeType	Appendix A Tab A3 line 1	1	1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
		Mandatory	Format – a2.EDIFACT codes (3207) = ISO 3166-1 2-alpha code			
110	CountrySubDivision Code	Code of the country subdivision Optional	ds:AddressCountrySubDivisionCodeT ype Format – an..9. EDIFACT codes (3229) = ISO 3166-2 2-alpha code or User code	Appendix A Tab A3 line 1	1	0..1
111	CountrySubDivision Name	Name of the country subdivision Optional	ds:AddressCountrySubDivisionNameT extType Format – an..35	Appendix A Tab A3 line 1	1	0..1
112	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
113	Line	Building number and street name, or P/O Box Building number Optional	ds:AddressLineTextType Format – an..70	Appendix A Tab A3 line 1	1	0..1
114	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
115	PostcodeID	Post code Optional	ds:AddressPostcodeIDType Format – an..9	Appendix A Tab A3 line 1	1	0..1
116	GovernmentAgencyGoodsI tem	Data on goods Mandatory	Defined by the types of nesting elements	Appendix A Tab A4	6-11	1..*
117	SequenceNumeric	SequenceNumeric Mandatory	ds:CommoditySequenceNumericType Format – n..5	Appendix A Tab A4 line 1	6	1
118	Commodity	Description of good at line Mandatory	Defined by the types of nesting elements	Appendix A Tab A4 line 1	8	1
119	Description	General description of good at line Mandatory	ds:CommodityDescriptionTextType an..512	Appendix A Tab A4 line 4	8	1
120	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
121	CountQuantity	Good Quantity at line Optional	ds:CommodityCountQuantityType Format - n..16	Appendix A TabA 4 line 7	10	0..1
122	@unitCode	Units of measurement Mandatory	clm6Recommendation20:MeasurementUnitCommonCodeContentType	Appendix A Tab A4 line 7	10	1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
			Format – an..5. International codes for Union, National codes for Viet Nam See Table C2			
123	AdditionalInformation	Infoirmation on additional marks, FTA: If the goods satisfy a description of footwear made of leather for use in indoor and outdoor sporting activities (ex 6403 91, 6403 99) stipulated in Annex 1 to this Agreement the mark "Sporting Footwear" shall be indicated. Optional	Defined by the types of nesting elements	Appendix A Tab A4 line 5	8	0..*
124	Content	Additional Information (additional marks) description in free form. Optional	ds:AdditionalInformationContentText Type Format – an..512	-	Absent at form	0..1
125	StatementCode	Additional marks, coded Fixed value: «Sporting Footwear» Mandatory	ds:AdditionalInformationStatementCodeType Format – an..17, User codes= Sporting Footwear.	Appendix A Tab A4 line 5	8	1
126	StatementDescription	Additional marks. Free text .Marked as «Sporting Footwear» Optional	ds:AdditionalInformationStatementDescriptionTextType Format – n..512	Appendix A Tab A4 line 5	8	0.1
127	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
128	Classification	Commodity code data Mandatory	Defined by the types of nesting elements	Appendix A Tab A4 line 3	8	1
129	ID	Commodity code according to the line. 6-digits HS code according to The Harmonized Commodity Description and Coding System/ Mandatory	ds:ClassificationIdentificationIDType Format – an..18	Appendix A Tab A4 line 3	8	1
130	IdentificationTypeCode	Commodity code type Fixed value "ZZZ" – Mutually defined Mandatory	ds:ClassificationIdentificationTypeCodeType Format – an..3, EDIFACT codes (7143)	-	Absent at form	1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
131	GoodsMeasure	Goods weight data by line Optional	Defined by the types of nesting elements	Appendix A Tab A4 line 7	10	0..1
132	GrossMassMeasure	Goods gross weight with units of measurment specification Mandatory	ds:GoodsMeasureGrossMassMeasureType Format - n..16,6	Appendix A Tab A4 line 7	10	1
133	@unitCode	Units of measurement Mandatory	clm6Recommendation20:MeasurementUnitCommonCodeContentType Format – an..5. International codes for Union, National codes for Viet Nam See Table C2	Appendix A Tab A4 line 7	10	1
134	NetNetWeightMeasuree	Goods Net weight with units of measurment specification Optional	ds:GoodsMeasureNetNetWeightMeasureType Format - n..16,6	Appendix A Tab A4 line 7	10	0..1
135	@unitCode	Units of measurement Mandatory	clm6Recommendation20:MeasurementUnitCommonCodeContentType Format – an..5. International codes for Union, National codes for Viet Nam See Table C2	Appendix A Tab A4 line 7	10	1
136	Product Name	Additional good data bu line Optional	Defined by the types of nesting elements	Appendix A Tab A4 line 4	8	0..*
137	Name	Good Name or other product characteristic Mandatory	ds:ProductNameNameTextType Format – an..35	Appendix A Tab A4 line 4	8	1
138	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
139	NameQualifierCode	A qualifier to describe the commodity name or other product characteristic, e.g., chassis No for motor vehicles/ Optional	ds:ProductNameNameQualifierCodeType Format – an..3. EDIFACT codes (7081)	Appendix A Tab A4 line 4	8	0..1
140	Origin	Origin criteria Mandatory	Defined by the types of nesting elements	Appendix A Tab A4 line 6	12	1
141	RuleCode	Origin criteria: Mandatory WO – goods are wholly obtained or produced in a Party as provided for in article 4.4 of Free Trade	ds:OriginRuleCodeType Format - an..3. User codes	Appendix A Tab A4 line 6	9	1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
		Agreement (hereinafter referred to as FTA); PE – goods are produced entirely in the territory of one or both Parties, exclusively from originating materials from one or both Parties; PSR – goods are produced in the territory of a Party using non-originating material and satisfies the requirements as specified in Annex 3 to FTA				
142	Packaging	Packaging data Mandatory	Defined by the types of nesting elements	Appendix A Tab A4 line 2	7	1..*
143	MarksNumbersID	Free form description of the marks and numbers on a transport unit or package. Optional	ds:PackagingMarksNumbersIDType Format - an..512 UN/ECE Recommendation 15	Appendix A Tab A4 line	7	0..1
144	QuantityQuantity	Package quantity Mandatory	ds:PackagingQuantityQuantityType Format - n..16,6	Appendix A Tab A4 line	7	1
145	TypeCode	Package type Mandatory	ds:PackagingTypeCodeType Format - an..2. EDIFACT codes (7065) = UN/ECE Recommendation 21 Annex VI	Appendix A Tab A4 line	7	1
146	Importer	Importer Data Mandatory	Defined by the types of nesting elements	Appendix A Tab A3 line 2	2	1
147	Name	Importer Name Mandatory	ds:ImporterNameTextType an..70	Appendix A Tab A3 line 2	2	1
148	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
149	ID	Importer Identifier Optional	ds:ExporterIdentificationIDType Format – an..17. International codes (e.g. DUNS, EAN) or user codes	-	Absent at form	0..1
150	RoleCode	Importer RoleCode Mandatory Fixed value – IM.	ds:ImporterRoleCodeType Format – an..3. UNTDID 3035 = IM	-	Absent at form	1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
151	Address	Importer address data Mandatory	Defined by the types of nesting elements	Appendix A Tab A3 line 2	2	1
152	TypeCode	Address type code Optional	ds:AddressTypeCodeType Format – an..3. EDIFACT codes (3131)	-	Absent at form	0..1
153	CityName	City name, city Optional	ds:AddressCityNameTextType Format – an..35	Appendix A Tab A3 line 2	2	0..1
154	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
155	CountryCode	Country code according to ISO 3166 Mandatory	ds:AddressCountryCodeType Format – a2.EDIFACT codes (3207) = ISO 3166-1 2-alpha code	Appendix A Tab A3 line 2	2	1
156	CountrySubDivisionCode	Code of the country subdivision Optional	ds:AddressCountrySubDivisionCodeType Format – an..9. EDIFACT codes (3229) = ISO 3166-2 2-alpha code or User code	Appendix A Tab A3 line 2	2	0..1
157	CountrySubDivisionName	Name of the country subdivision Optional	ds:AddressCountrySubDivisionNameTextType Format – an..35	Appendix A Tab A3 line 2	2	0..1
158	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
159	Line	Building number and street name, or P/O Box Building number Optional	ds:AddressLineTextType Format – an..70	Appendix A Tab A3 line 2	2	0..1
160	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	-	-	0..1
161	PostcodeID	Post code Optional	ds:AddressPostcodeIDType Format – an..9	Appendix A Tab A3 line 2	2	0..1
162	Invoice	Invoice data Mandatory	Defined by the types of nesting elements	Appendix A Tab A4 line 8	11	1..*
163	ID	Invoice number by line Mandatory	ds:InvoiceIdentificationIDType Format –an..35	Appendix A Tab A5 line 1	11	1

	Requisite name	Requisite description / Mandatory or optional	Data type *	Reason of inclusion	Form section	Mult.
164	IssueDateTime	Invoice issue date by line Mandatory	ds:InvoiceIssueDateTimeType Format – an..17. UNTDID 2379 = 304 CCYYMMDDHHMMSSZZZ Z=Time zone	Appendix A Tab A5 line 1	11	1
165	TypeCode	Invoice Type by line, including invoice, issued by Exporter, invoice, isssued in third-country (TCI). Mandatory	ds:InvoiceTypeCodeType Format – an..3. EDIFACT codes (1001) or National codes	Appendix A Tab A5 line 1	11	1
166	SequenceNumeric	Sequence number. It has to correlate with the GovernmentAgency GoodsItmem element SequenceNumeric . Mandatory	ds:InvoiceSequenceNumericType Format – n..5	Appendix A Tab A5 line 1	6	1
167	PreviousDocument	Identification of previous certificates Optional	Defined by the types of nesting elements	Appendix A Tab A1 line 9	5	0..*
168	ID	Registration number of the certificate Mandatory	ds:PreviousDocumentIdentificationID Type Format – an..35	Appendix A Tab A1 line 9	5	1
169	IssueDateTime	Registration date of the certificate Mandatory	ds:RootDocumentIssueDateTimeType Format – an..17. UNTDID 2379 = 304 CCYYMMDDHHMMSSZZZ Z=Time zone	Appendix A Tab A1 line 9	5	1
170	TypeCode	Certificate of origin type code Mandatory Fixed value - 861	ds:RootDocumentTypeCodeType Format - an..3. EDIFACT codes (1001) or National codes=861	-	Absent at form	1

Table B3

Requisite composition of an electronic document (data) structure «Notification on absence of information» (Response)

	Requisite name	Requisite description	Data type *	Mult.
RootDocument		Notification of the results of processing of information	ds:RootDocumentType	1
1	IssueDateTime	Date and time of notification Optional	ds:RootDocumentIssueDateTimeType Format: an..17	0..1

	Requisite name	Requisite description	Data type *	Mult.
			Source: UNTDID 2379 = 304 CCYYMMDDHHMMSSZZZ Z=Time zone	
2	AdditionalInformation	Description of the result of information processing in a free form Optional	Defined by the types of nesting elements	0..*
3	StatementDescription	Description text, up to 512 symbols Mandatory (1)	ds:AdditionalInformationStatementDescriptionTextType Format – an..512	1
4	@languageID	Language identifier Optional "En" by Default	xs:language Format – an..35. IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt	0..1
5	ContactOffice	Contact information Optional	Defined by the types of nesting elements	0..1
6	Contact	Contact person Optional	Defined by the types of nesting elements	0..*
7	Name	Contact person's name Mandatory	ds:ContactNameTextType Format: an..70	1
8	@languageID	Language identifier Optional "En" by Default	xs:language Format: an..35 Source: IETF RFC 5646 http://www.rfc-editor.org/rfc/rfc5646.txt, IANA Language Subtag Registry http://www.iana.org/assignments/language-subtag-registry	0..1
9	Communication	Information about communication links Mandatory	Defined by the types of nesting elements	1..*
10	ID	Communication link identifier Mandatory	ds:CommunicationIdentificationIDType Format: an..50	1
11	TypeID	Communication link type: code from EDIFACT Codelist 3155 Optional	ds:CommunicationTypeIDType Format: an..3 Source: EDIFACT codes (3155)	0..1
12	Communication	Information about communication links Optional		0..*
13	ID	Communication link identifier Mandatory	ds:CommunicationIdentificationIDType Format: an..50	1
14	TypeID	Communication link type: code from EDIFACT Codelist 3155 Optional	ds:CommunicationTypeIDType Format: an..3 Source: EDIFACT codes (3155)	0..1
15	Error	Validation error Optional	Defined by the types of nesting elements	0..*
16	ValidationCode	Error code Mandatory	ds:ErrorValidationCodeType Foramt an..3. WCO codes or user codes	1

Requisite name			Requisite description	Data type *	Mult.
17		@name	Error message text Optional	xs:string	0..1
18		Pointer	Error location Optional	Defined by the types of nesting elements	0..*
19		SequenceNumeric	Sequence number Mandatory	ds:PointerSequenceNumericType Format - n..5	1
20		TagID	Data element tag identifier Mandatory	ds:PointerTagIDType Format - an..4	1
21	Status		Status of processing Mandatory	Defined by the types of nesting elements	1
22		NameCode	Status code: Mandatory 0 – Data processed successfully 1 – No data available	ds:StatusNameCodeType Format – n1	1
23		ReleaseDateTime	Date and time of status Mandatory	ds:StatusReleaseDateTimeType Format – an..17. UNTDID 2379 = 304 CCYYMMDDHHMMSSZZZ Z=Time zone	1
24	Declaration		Processed certificate transaction identifier Optional	Defined by the types of nesting elements	0..1
		FunctionalReferenceID	Certificate unique identifier Optional	ds: DeclarationFunctionalReferenceIDType Format – an..35	0..1
26		ID	Certificate registration number Mandatory	ds:RootDocumentIdentificationIDType Format: an..35	1

Table B4

Requisite composition of an electronic document (data) structure «Request for information about certificates of origin» (Request)

Requisite name		Requisite description	Data type	Mult.
RootDocument		Information about certificate	RootDocumentType	1
1	ID	Certificate ID Mandatory	ds:RootDocumentIdentificationIDType Format – an..35	0..1
2	IssueDateTime	Date of the certificate issue or date of data update Mandatory	ds:RootDocumentIssueDateTimeType Format – an..17. UNTDID 2379 = 304 CCYYMMDDHHMMSSZZZ Z=Time zone	1
3	IssueLocationID	Country of issuance of the certificate code. Mandatory	ds:RootDocumentIssueLocationIdentificationIDType Format – an..5 UN/LOCODE	1

Requisite name		Requisite description	Data type	Mult.
		UN/LOCODE data format: (first two symbols is country code - format ISO 3166-1 alpha-2)		
4	TypeCode	Type of the certificate, coded. Fixed value «EAV» Mandatory	ds:RootDocumentTypeCodeType Format – an..3	0..1

* There are the format rules explanations:

1) n – digit in the interval 0..9 is allowed;
2) a – character in the intervals a-z, A-Z is allowed
3) an – both: digit in the interval 0..9 or character in the interval a-z, A-Z is allowed
4) ak, where k>0 – a sting of characters with length k;

an..k, where k>0 – string of characters and digits with length less than k+1.

Appendix C. W3C XML-Schemes

Table C1

Requisite of an electronic document (information) structure «Information about certificates of origin» (Certificate)

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSpy v2013 sp1 (http://www.altova.com) by AMD (ru-Board) -->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns="urn:wco:datamodel:WCO:Declaration:2" xmlns:ds="urn:wco:datamodel:WCO:DS:1"
targetNamespace="urn:wco:datamodel:WCO:Declaration:2">
<xs:import namespace="urn:wco:datamodel:WCO:DS:1" schemaLocation="DS_1p0.xsd"/>
<xs:element name="RootDocument" type="RootDocumentType"/>
<xs:complexType name="RootDocumentType">
<xs:sequence>
<xs:element name="CancellationDateTime"
type="ds:RootDocumentCancellationDateTimeType" minOccurs="0"/>
<xs:element name="EffectiveDateTime" type="ds:RootDocumentEffectiveDateTimeType"
minOccurs="0"/>
<xs:element name="ExpirationDateTime" type="ds:RootDocumentExpirationDateTimeType"/>
<xs:element name="FunctionCode" type="ds:RootDocumentFunctionCodeType"/>
<xs:element name="FunctionalReferenceID"
type="ds:RootDocumentFunctionalReferenceIDType" minOccurs="0"/>
<xs:element name="ID" type="ds:RootDocumentIdentificationIDType"/>
<xs:element name="IssueDateTime" type="ds:RootDocumentIssueDateTimeType"/>
<xs:element name="issueLocationID"
type="ds:RootDocumentIssueLocationIdentificationIDType"/>
<xs:element name="TypeCode" type="ds:RootDocumentTypeCodeType"/>
<xs:element name="AdditionalDocument">
<xs:complexType>
<xs:sequence>
<xs:element name="IssueDateTime" type="ds:AdditionalDocumentIssueDateTimeType"/>
<xs:element name="issueLocationID"
type="ds:AdditionalDocumentIssueLocationIdentificationIDType"/>
<xs:element name="IssueLocationName"
type="ds:AdditionalDocumentIssueLocationNameTextType"/>
<xs:element name="Authenticator">
<xs:complexType>
<xs:sequence>
<xs:element name="Name" type="ds:AuthenticatorNameTextType"/>
<xs:element name="ID" type="ds:AuthenticatorIdentificationIDType"/>
<xs:element name="RoleCode" type="ds:AuthenticatorRoleCodeType"/>
<xs:element name="Address">
<xs:complexType>
<xs:sequence>
<xs:element name="TypeCode" type="ds:AddressTypeCodeType" minOccurs="0"/>
<xs:element name="CityName" type="ds:AddressCityNameTextType" minOccurs="0"/>
<xs:element name="CountryCode" type="ds:AddressCountryCodeType"/>
<xs:element name="CountrySubDivisionCode"
type="ds:AddressCountrySubDivisionCodeType" minOccurs="0"/>
```

```
<xs:element name="CountrySubDivisionName"
type="ds:AddressCountrySubDivisionNameTextType" minOccurs="0"/>
<xs:element name="Line" type="ds:AddressLineTextType" minOccurs="0"/>
<xs:element name="PostcodeID" type="ds:AddressPostcodeIDType" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="LPCOAuthorizedParty">
<xs:complexType>
<xs:sequence>
<xs:element name="Name" type="ds:LPCOAuthorizedPartyNameTextType"/>
<xs:element name="ID" type="ds:LPCOAuthorizedPartyIdentificationIDType"
minOccurs="0"/>
<xs:element name="RoleCode" type="ds:LPCOAuthorizedPartyRoleCodeType"/>
<xs:element name="Address">
<xs:complexType>
<xs:sequence>
<xs:element name="TypeCode" type="ds:AddressTypeCodeType" minOccurs="0"/>
<xs:element name="CityName" type="ds:AddressCityNameTextType" minOccurs="0"/>
<xs:element name="CountryCode" type="ds:AddressCountryCodeType"/>
<xs:element name="CountrySubDivisionCode"
type="ds:AddressCountrySubDivisionCodeType" minOccurs="0"/>
<xs:element name="CountrySubDivisionName"
type="ds:AddressCountrySubDivisionNameTextType" minOccurs="0"/>
<xs:element name="Line" type="ds:AddressLineTextType" minOccurs="0"/>
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minOccurs="0"/>
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type="ds:AdditionalInformationStatementDescriptionTextType" minOccurs="0"/>
<xs:element name="LimitDateTime" type="ds:AdditionalInformationLimitDateTimeType"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GoodsShipment">
<xs:complexType>
<xs:sequence>
```

```
<xs:element name="ExportationCountryCode"
type="ds:GoodsShipmentExportationCountryCodeType"/>
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<xs:complexType>
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<xs:element name="StatementDescription"
type="ds:AdditionalInformationStatementDescriptionTextType"/>
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</xs:complexType>
</xs:element>
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<xs:complexType>
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<xs:element name="RoleCode" type="ds:ConsigneeRoleCodeType"/>
<xs:element name="Address">
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<xs:element name="CityName" type="ds:AddressCityNameTextType" minOccurs="0"/>
<xs:element name="CountryCode" type="ds:AddressCountryCodeType"/>
<xs:element name="CountrySubDivisionCode"
type="ds:AddressCountrySubDivisionCodeType" minOccurs="0"/>
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type="ds:AddressCountrySubDivisionNameTextType" minOccurs="0"/>
<xs:element name="Line" type="ds:AddressLineTextType" minOccurs="0"/>
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</xs:element>
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```

```
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minOccurs="0"/>
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minOccurs="0"/>
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</xs:sequence>
</xs:complexType>
```

```
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<xs:element name="CountryCode" type="ds:AddressCountryCodeType"/>
<xs:element name="CountrySubDivisionCode"
type="ds:AddressCountrySubDivisionCodeType" minOccurs="0"/>
<xs:element name="CountrySubDivisionName"
type="ds:AddressCountrySubDivisionNameTextType" minOccurs="0"/>
<xs:element name="Line" type="ds:AddressLineTextType" minOccurs="0"/>
<xs:element name="PostcodeID" type="ds:AddressPostcodeIDType" minOccurs="0"/>
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```

```
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minOccurs="0"/>
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 <xs:element name="TypeCode" type="ds:PackagingTypeCodeType"/>
 </xs:sequence>
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 </xs:element>
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 <xs:sequence>
 <xs:element name="Name" type="ds:ImporterNameTextType"/>
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```

```
 <xs:element name="CityName" type="ds:AddressCityNameTextType" minOccurs="0"/>
 <xs:element name="CountryCode" type="ds:AddressCountryCodeType"/>
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type="ds:AddressCountrySubDivisionCodeType" minOccurs="0"/>
 <xs:element name="CountrySubDivisionName"
type="ds:AddressCountrySubDivisionNameTextType" minOccurs="0"/>
 <xs:element name="Line" type="ds:AddressLineTextType" minOccurs="0"/>
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 </xs:element>
 </xs:sequence>
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 <xs:element name="IssueDateTime" type="ds:InvoiceIssueDateTimeType"/>
 <xs:element name="TypeCode" type="ds:InvoiceTypeCodeType"/>
 <xs:element name="SequenceNumeric" type="ds:InvoiceSequenceNumericType"/>
 </xs:sequence>
 </xs:complexType>
 </xs:element>
 </xs:sequence>
 </xs:complexType>
 </xs:element>
 <xs:element name="PreviousDocument" minOccurs="0" maxOccurs="unbounded">
 <xs:complexType>
 <xs:sequence>
 <xs:element name="ID" type="ds:PreviousDocumentIdentificationIDType"/>
 <xs:element name="IssueDateTime" type="ds:PreviousDocumentIssueDateTimeType"/>
 <xs:element name="TypeCode" type="ds:PreviousDocumentTypeCodeType"/>
 </xs:sequence>
 </xs:complexType>
 </xs:element>
 </xs:sequence>
 </xs:complexType>
 </xs:schema>
```

Table C2

The scheme of electronic document data (information)

«Notification on absence of information» (Response)

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns="urn:wco:datamodel:WCO:Declaration:3" xmlns:ds="urn:wco:datamodel:WCO:DS:1"
targetNamespace="urn:wco:datamodel:WCO:Declaration:3">
<xs:import namespace="urn:wco:datamodel:WCO:DS:1" schemaLocation="DS_1p0.xsd"/>
<xs:complexType name="RootDocumentType">
<xs:sequence>
```

```
<xs:element name="FunctionalReferenceID"
type="ds:RootDocumentFunctionalReferenceIDType"/>
<xs:element name="IssueDateTime" type="ds:RootDocumentIssueDateTimeType"
minOccurs="0"/>
<xs:element name="AdditionalInformation" minOccurs="0" maxOccurs="unbounded">
<xs:complexType>
<xs:sequence>
<xs:element name="StatementDescription"
type="ds:AdditionalInformationStatementDescriptionTextType"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="ContactOffice" minOccurs="0">
<xs:complexType>
<xs:sequence>
<xs:element name="Contact" minOccurs="0" maxOccurs="unbounded">
<xs:complexType>
<xs:sequence>
<xs:element name="Name" type="ds:ContactNameTextType"/>
<xs:element name="Communication" maxOccurs="unbounded">
<xs:complexType>
<xs:sequence>
<xs:element name="ID" type="ds:CommunicationIdentificationIDType"/>
<xs:element name="TypeID" type="ds:CommunicationTypeIDType" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="Communication" minOccurs="0" maxOccurs="unbounded">
<xs:complexType>
<xs:sequence>
<xs:element name="ID" type="ds:CommunicationIdentificationIDType"/>
<xs:element name="TypeID" type="ds:CommunicationTypeIDType" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="Error" minOccurs="0" maxOccurs="unbounded">
<xs:complexType>
<xs:sequence>
<xs:element name="ValidationCode" type="ds:ErrorValidationCodeType"/>
<xs:element name="Pointer" minOccurs="0" maxOccurs="unbounded">
<xs:complexType>
<xs:sequence>
<xs:element name="SequenceNumeric" type="ds:PointerSequenceNumericType"/>
<xs:element name="DocumentSectionCode" type="ds:PointerDocumentSectionCodeType"/>
</xs:sequence>
</xs:complexType>
```

```
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="Status">
```

Table C3

The scheme of electronic document data (information)

«Request for information about certificates of origin» (Request)

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns="urn:wco:datamodel:WCO:Declaration:1" xmlns:ds="urn:wco:datamodel:WCO:DS:1"
targetNamespace="urn:wco:datamodel:WCO:Declaration:1">
<xs:import namespace="urn:wco:datamodel:WCO:DS:1" schemaLocation="DS_1p0.xsd"/>
<xs:element name="RootDocument" type="RootDocumentType"/>
<xs:complexType name="RootDocumentType">
<xs:sequence>
<xs:element name="ID" type="ds:RootDocumentIdentificationIDType" minOccurs="0"/>
<xs:element name="IssueDateTime" type="ds:RootDocumentIssueDateTimeType"/>
<xs:element name="issueLocationID"
type="ds:RootDocumentIssueLocationIdentificationIDType" minOccurs="0"/>
<xs:element name="TypeCode" type="ds:RootDocumentTypeCodeType"/>
</xs:sequence>
</xs:complexType>
</xs:schema>
```

Table C4

The scheme of acknowledgment and exception signals data

```
<?xmlversion=«1.0» encoding=«UTF-8»?>
<!--
Structure and requisite composition of acknowledgment and exception signals
-->
<xs:schemaxmlns:xs=«http://www.w3.org/2001/XMLSchema» xmlns:sgn=«urn:EEC:signal:v1.0»
targetNamespace=«urn:EEC:signal:v1.0» elementFormDefault=«qualified»
attributeFormDefault=«unqualified»>
<xs:simpleType name=«EDocIdType»>
<xs:annotation>
<xs:documentation>Document ID</xs:documentation>
</xs:annotation>
<xs:restriction base=«xs:token»>
<xs:pattern value=«[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-
F]{12}»/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name=«DateTimeType»>
<xs:annotation>
<xs:documentation>Date by the Gregorian calendar and time in the Standard ISO 8601
format</xs:documentation>
</xs:annotation>
```

<xs:restriction base=«xs:dateTime»/>
</xs:simpleType>
<xs:simpleType name=«ErrorCodeType»>
<xs:annotation>
<xs:documentation> Error code designation </xs:documentation>
</xs:annotation>
<xs:restriction base=«xs:token»>
<xs:minLength value=«1»/>
<xs:maxLength value=«255»/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name=«StringType»>
<xs:annotation>
<xs:documentation> Arbitrary information in text form </xs:documentation>
</xs:annotation>
<xs:restriction base=«xs:string»/>
</xs:simpleType>
<xs:complexType name=«DeliveryReceiptType»>
<xs:annotation>
<xs:documentation>>"Receipt" confirmation signal Type </xs:documentation>
</xs:annotation>
<xs:sequence>
<xs:element name=«SignalId» type=«sgn:EDocIdType»/>
<xs:element name=«DateTime» type=«sgn:DateTimeType»/>
</xs:sequence>
</xs:complexType>
<xs:element name=«DeliveryReceipt» type=«sgn:DeliveryReceiptType»>
<xs:annotation>
<xs:documentation>"Receipt" confirmation signal </xs:documentation>
</xs:annotation>
</xs:element>
<xs:complexType name=«ProcessingReceiptType»>
<xs:annotation>
<xs:documentation>"Processing Receipt" confirmation signal Type </xs:documentation>
</xs:annotation>
<xs:sequence>
<xs:element name=«SignalId» type=«sgn:EDocIdType»/>
<xs:element name=«DateTime» type=«sgn:DateTimeType»/>
</xs:sequence>
</xs:complexType>
<xs:element name=«ProcessingReceipt» type=«sgn:ProcessingReceiptType»>
<xs:annotation>
<xs:documentation>"Processing Receipt" confirmation signal </xs:documentation>
</xs:annotation>
</xs:element>
<xs:complexType name=«ValidationErrorType»>
<xs:annotation>
<xs:documentation>"Error" Signal-exception Type </xs:documentation>
</xs:annotation>
<xs:sequence>
<xs:element name=«SignalId» type=«sgn:EDocIdType»>
<xs:annotation>

<xs:documentation> Signal-exception ID </xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name=«DateTime» type=«sgn:DateTimeType»>
<xs:annotation>
<xs:documentation> Date and Time </xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name=«Error» type=«sgn:ErrorType» maxOccurs=«unbounded»>
<xs:annotation>
<xs:documentation> Error Details </xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:complexType name=«ErrorType»>
<xs:annotation>
<xs:documentation> Error Type </xs:documentation>
</xs:annotation>
<xs:sequence>
<xs:element name=«Code» type=«sgn:ErrorCodeType»>
<xs:annotation>
<xs:documentation> Control Error Code Designation </xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name=«Description» type=«sgn:StringType»>
<xs:annotation>
<xs:documentation> Control Error Code Designation </xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name=«Details» type=«sgn:StringType» minOccurs=«0»>
<xs:annotation>
<xs:documentation> Error Detailed Information </xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name=«EDocId» type=«sgn:EDocIdType» minOccurs=«0»>
<xs:annotation>
<xs:documentation> Identifier of the document in which the error occurred </xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name=«Reference» type=«sgn:StringType» minOccurs=«0»>
<xs:annotation>
<xs:documentation> String of characters that makes it possible to locate unambiguously an element in the document that caused an error </xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:element name=«ValidationError» type=«sgn:ValidationErrorType»>
<xs:annotation>
<xs:documentation>"ControlError" Signal-exception </xs:documentation>
</xs:annotation>

</xs:element>
</xs:schema>

Appendix D. Examples of electronic documents

Table D1

Example of electronic message “Information on the issued certificate of origin” (ESS.VN.MSG.001)

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:EEC:Interaction:v1.0" xmlns:wsa="http://www.w3.org/2005/08/addressing">
<soap:Header>
<wsa:To>ESS.VN.VN</wsa:To>
<wsa:From>
<wsa:Address>ESS.VN.RU</wsa:Address>
</wsa:From>
<wsa:Action>tr://CERTIFICATE/0.1/ESS.VN.PRC.001/ESS.VN.TRN.001/ESS.VN.MSG.001</
wsa:Action>
<wsa:MessageID>urn:uuid:dba8fff6-bbb3-47c3-afb2-a9a9accce8dd</wsa:MessageID>
</soap:Header>
<soap:Body>
<n1:RootDocument xsi:schemaLocation="urn:wco:datamodel:WCO:Declaration:2
Certificate.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:n1="urn:wco:datamodel:WCO:Declaration:2">
<CancellationDateTime>2017-12-17T00:00:00Z</CancellationDateTime>
<EffectiveDateTime>2017-10-15T00:00:00Z</EffectiveDateTime>
<ExpirationDateTime>2018-09-17T00:00:00Z</ExpirationDateTime>
<FunctionCode>CHG</FunctionCode>
<FunctionalReferenceID>PcaFAG0kNUGqHYoSTryWbg%3d%3d</FunctionalReferenceID>
<ID>12345</ID>
<IssueDateTime>2017-09-17T09:30:00Z</IssueDateTime>
<issueLocationID>RU MOW</issueLocationID>
<TypeCode>EAV</TypeCode>
<AdditionalDocument>
<IssueDateTime>2017-09-17T00:00:00Z</IssueDateTime>
<issueLocationID>RUMOW</issueLocationID>
<IssueLocationName>Russian Federation, Moscow</IssueLocationName>
<Authenticator>
<Name>The Chamber of Commerce and Industry of the Russian Federation (CCI of
Russia)</Name>
<ID>1027746000853</ID>
<RoleCode>AX</RoleCode>
<Address>
<TypeCode>2</TypeCode>
<CityName>Moscow</CityName>
<CountryCode>RU</CountryCode>
<Line>Ilyinka 6/1, 1 Moscow, Russian Federation</Line>
<PostcodeID>109012</PostcodeID>
</Address>
</Authenticator>
<LPCOAuthorizedParty>
<Name>RostovVinTrade</Name>
<ID>1234567890987</ID>
<RoleCode>DT</RoleCode>
```

<Address>
<TypeCode>2</TypeCode>
<CityName>Rostov-on-Don</CityName>
<CountryCode>RU</CountryCode>
<Line>Rostov-on-Don, Lenina st, 18, Russia</Line>
<PostcodeID>344012</PostcodeID>
</Address>
</LPCOAuthorizedParty>
</AdditionalDocument>
<AdditionalInformation>
<StatementCode>R.TR</StatementCode>
<StatementDescription>Issued Retroactively</StatementDescription>
<LimitDateTime>2017-09-16T00:00:00Z</LimitDateTime>
</AdditionalInformation>
<GoodsShipment>
<ExportationCountryCode>RU</ExportationCountryCode>
<AdditionalInformation>
<Content>Invoice will be issued later by Asia Grocery Distribution Limited. Address : 4/F How Ming Factory Building, 99 How Ming Street, Kwun Tong</Content>
<StatementCode>TCI</StatementCode>
<StatementDescription>Third Country Invoice</StatementDescription>
</AdditionalInformation>
<Consignee>
<Name>LEE KHOA TRADING</Name>
<RoleCode>CN</RoleCode>
<Address>
<CityName>Hanoi</CityName>
<CountryCode>VN</CountryCode>
<Line>Add. 44/4 Dang Van Ngu Str., Dong Da Distr.,Hanoi, Viet Nam, 115000 </Line>
</Address>
</Consignee>
<Consignment>
<BorderTransportMeans>
<TypeCode listAgencyName="EAEU">40</TypeCode>
</BorderTransportMeans>
<LoadingLocation>
<Name>Russiian Federation, Moscow</Name>
<ID>RUSVO</ID>
</LoadingLocation>
<UnloadingLocation>
<ID>VNHAN</ID>
</UnloadingLocation>
</Consignment>
<DeliveryDestination>
<Address>
<CountryCode>VN</CountryCode>
</Address>
</DeliveryDestination>
<Exporter>
<Name>RostovVinTrade</Name>
<RoleCode>EX</RoleCode>
<Address>

<TypeCode>2 </TypeCode>
<CityName>Rostov-on-Don</CityName>
<CountryCode>RU</CountryCode>
<Line>Rostov-on-Don, Lenina st, 18, Russia, 344012</Line>
</Address>
</Exporter>
<GovernmentAgencyGoodsItem>
<SequenceNumeric>1</SequenceNumeric>
<Commodity>
<Description>Sparkling wine</Description>
<CountQuantity unitCode="796">144</CountQuantity>
<Classification>
<ID>2204101100</ID>
<IdentificationTypeCode>HS code</IdentificationTypeCode>
</Classification>
<GoodsMeasure>
<GrossMassMeasure unitCode="166">80</GrossMassMeasure>
<NetNetWeightMeasure unitCode="166">60</NetNetWeightMeasure>
</GoodsMeasure>
<ProductName>
<Name>Rostovskoye Igristoye</Name>
<NameQualifierCode>brand name</NameQualifierCode>
</ProductName>
</Commodity>
<Origin>
<RuleCode>WO</RuleCode>
</Origin>
<Packaging>
<QuantityQuantity>1</QuantityQuantity>
<TypeCode>32</TypeCode>
</Packaging>
</GovernmentAgencyGoodsItem>
<GovernmentAgencyGoodsItem>
<SequenceNumeric>2</SequenceNumeric>
<Commodity>
<Description>Dry white wine</Description>
<CountQuantity unitCode="796">144</CountQuantity>
<Classification>
<ID>2204210700</ID>
<IdentificationTypeCode>HS code</IdentificationTypeCode>
</Classification>
<GoodsMeasure>
<GrossMassMeasure unitCode="166">70</GrossMassMeasure>
<NetNetWeightMeasure unitCode="166">55</NetNetWeightMeasure>
</GoodsMeasure>
<ProductName>
<Name>TSIMLYANSKY RESERVE</Name>
<NameQualifierCode>brand name</NameQualifierCode>
</ProductName>
</Commodity>
<Origin>
<RuleCode>WO</RuleCode>

```
</Origin>
<Packaging>
<QuantityQuantity>1</QuantityQuantity>
<TypeCode>32</TypeCode>
</Packaging>
</GovernmentAgencyGoodsItem>
<GovernmentAgencyGoodsItem>
<SequenceNumeric>3</SequenceNumeric>
<Commodity>
<Description>vodka</Description>
<CountQuantity unitCode="796">144</CountQuantity>
<Classification>
<ID>2208601100</ID>
<IdentificationTypeCode>HS code</IdentificationTypeCode>
</Classification>
<GoodsMeasure>
<GrossMassMeasure unitCode="166">60</GrossMassMeasure>
<NetNetWeightMeasure unitCode="166">50</NetNetWeightMeasure>
</GoodsMeasure>
<ProductName>
<Name>Ataman Platov</Name>
<NameQualifierCode>brand name</NameQualifierCode>
</ProductName>
</Commodity>
<Origin>
<RuleCode>WO</RuleCode>
</Origin>
<Packaging>
<QuantityQuantity>1</QuantityQuantity>
<TypeCode>32</TypeCode>
</Packaging>
</GovernmentAgencyGoodsItem>
<Importer>
<Name>LEE KHOA TRADING</Name>
<RoleCode>CN</RoleCode>
<Address>
<TypeCode>2</TypeCode>
<CityName>Hanoi</CityName>
<CountryCode>VN</CountryCode>
<Line>Add. 44/4 Dang Van Ngu Str., Dong Da Distr.,Hanoi, Viet Nam, 115000 </Line>
</Address>
</Importer>
<Invoice>
<ID>12345</ID>
<IssueDateTime>2017-08-17T00:00:00Z</IssueDateTime>
<TypeCode>02017</TypeCode>
<SequenceNumeric>1</SequenceNumeric>
</Invoice>
<Invoice>
<ID>12333</ID>
<IssueDateTime>2017-08-17T00:00:00Z</IssueDateTime>
<TypeCode>02017</TypeCode>
```

<SequenceNumeric>1</SequenceNumeric>
</Invoice>
<Invoice>
<ID>12444</ID>
<IssueDateTime>2017-08-18T00:00:00Z</IssueDateTime>
<TypeCode>02017</TypeCode>
<SequenceNumeric>2</SequenceNumeric>
</Invoice>
<Invoice>
<ID>12555</ID>
<IssueDateTime>2017-08-19T00:00:00Z</IssueDateTime>
<TypeCode>02017</TypeCode>
<SequenceNumeric>3</SequenceNumeric>
</Invoice>
</GoodsShipment>
<PreviousDocument>
<ID>12097</ID>
<IssueDateTime>2017-09-01T00:00:00Z</IssueDateTime>
<TypeCode>861</TypeCode>
</PreviousDocument>
</n1:RootDocument>
</soap:Body>
</soap:Envelope>

Table D2

Example of electronic message "Notice on the results of processing of information" (ESS.VN.MSG.002)

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:EEC:Interaction:v1.0" xmlns:wsa="http://www.w3.org/2005/08/addressing">
<soap:Header>
<wsa:To>ESS.VN.VN</wsa:To>
<wsa:From>
<wsa:Address>ESS.VN.RU</wsa:Address>
</wsa:From>
<wsa:Action>tr://CERTIFICATE/0.1/ESS.VN.PRC.001/ESS.VN.TRN.001/ESS.VN.MSG.002</
wsa:Action>
<wsa:MessageID>urn:uuid:55cc3611-b3b4-4cfa-acbb-e12c4a48d20e</wsa:MessageID>
<wsa:RelatesTo>urn:uuid:dba8fff6-bbb3-47c3-afb2-a9a9accce8dd</wsa:RelatesTo>
</soap:Header>
<soap:Body>
<n1:RootDocument xsi:schemaLocation="urn:wco:datamodel:WCO:Declaration:3
Response.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:n1="urn:wco:datamodel:WCO:Declaration:3">
<AdditionalInformation>
<StatementDescription>Success</StatementDescription>
</AdditionalInformation>
<Status>
<NameCode>0</NameCode>
<ReleaseDateTime>2017-09-17T12:33:47Z</ReleaseDateTime>
</Status>
<Declaration>

<FunctionalReferenceID>f6819dcd-0df4-40e2-9e9b-40df4b3c0e4</FunctionalReferenceID>
<ID>12345</ID>
</Declaration>
</n1:RootDocument>
</soap:Body>
</soap:Envelope>

Table D3

Example of electronic message "Notice on absence of information"
(ESS.VN.MSG.003)

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:EEC:Interaction:v1.0" xmlns:wsa="http://www.w3.org/2005/08/addressing">
<soap:Header>
<wsa:To>ESS.VN.VN</wsa:To>
<wsa:From>
<wsa:Address>ESS.VN.RU</wsa:Address>
</wsa:From>
<wsa:Action>tr://CERTIFICATE/0.1/ESS.VN.PRC.002/P.EE.02.TRN.002/ESS.VN.MSG.003</
wsa:Action>
<wsa:MessageID>urn:uuid:55cc3611-b3b4-4cfa-aebb-e12c4a48d20e</wsa:MessageID>
<wsa:RelatesTo>urn:uuid:23ccf7cb-c507-404f-aa78-4f0152a6633a </wsa:RelatesTo>
</soap:Header>
<soap:Body>
<n1:RootDocument xsi:schemaLocation="urn:wco:datamodel:WCO:Declaration:3
Response.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:n1="urn:wco:datamodel:WCO:Declaration:3">
<AdditionalInformation>
<StatementDescription>Success</StatementDescription>
</AdditionalInformation>
<Status>
<NameCode>1</NameCode>
<ReleaseDateTime>2017-09-17T12:33:47Z</ReleaseDateTime>
</Status>
<Declaration>
<FunctionalReferenceID>f6819dcd-0df4-40e2-9e9b-40df4b3c0e4</FunctionalReferenceID>
<ID>12345</ID>
</Declaration>
</n1:RootDocument>
</soap:Body>
</soap:Envelope>

Table D4

Example of electronic message "Request for information on the certificate of origin"
(ESS.VN.MSG.004)

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:EEC:Interaction:v1.0" xmlns:wsa="http://www.w3.org/2005/08/addressing">
<soap:Header>
<wsa:To>ESS.VN.RU</wsa:To>
<wsa:From>
<wsa:Address>ESS.VN.VN</wsa:Address>

```
</wsa:From>
<wsa:Action>tr://CERTIFICATE/0.1/ESS.VN.PRC.002/ESS.VN.TRN.002/ESS.VN.MSG.004</
wsa:Action>
<wsa:MessageID>urn:uuid:23ccf7cb-c507-404f-aa78-4f0152a6633a</wsa:MessageID>
</soap:Header>
<soap:Body>
<ns1:RootDocument xsi:schemaLocation="urn:wco:datamodel:WCO:Declaration:1
Request.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:ns1="urn:wco:datamodel:WCO:Declaration:1">
<ID>12345</ID>
<IssueDateTime>2016-12-17T00:00:00Z</IssueDateTime>
<issueLocationID>RUMOW</issueLocationID>
<TypeCode>EAV</TypeCode>
</ns1:RootDocument>
</soap:Body>
</soap:Envelope>
```

Table D5

Example of electronic message “Information on the issued certificate of origin provided in response to the request” (ESS.VN.MSG.005)

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:EEC:Interaction:v1.0" xmlns:wsa="http://www.w3.org/2005/08/addressing">
<soap:Header>
<wsa:To>ESS.VN.VN</wsa:To>
<wsa:From>
<wsa:Address>ESS.VN.RU</wsa:Address>
</wsa:From>
<wsa:Action>tr://CERTIFICATE/0.1/ESS.VN.PRC.002/ESS.VN.TRN.002/ESS.VN.MSG.005</
wsa:Action>
<wsa:MessageID>urn:uuid:84cec07f-122f-459e-a5ef-707188452691</wsa:MessageID>
<wsa:RelatesTo>urn:uuid:23ccf7cb-c507-404f-aa78-4f0152a6633a</wsa:RelatesTo>
</soap:Header>
<soap:Body>
<n1:RootDocument xsi:schemaLocation="urn:wco:datamodel:WCO:Declaration:2
Certificate.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:n1="urn:wco:datamodel:WCO:Declaration:2">
<CancellationDateTime>2017-12-17T00:00:00Z</CancellationDateTime>
<EffectiveDateTime>2017-10-15T00:00:00Z</EffectiveDateTime>
<ExpirationDateTime>2018-09-17T00:00:00Z</ExpirationDateTime>
<FunctionCode>CHG</FunctionCode>
<FunctionalReferenceID>PcaFAG0kNUGqHYoSTryWbg%3d%3d</FunctionalReferenceID>
<ID>12345</ID>
<IssueDateTime>2017-09-17T09:30:00Z</IssueDateTime>
<issueLocationID>RUMOW</issueLocationID>
<TypeCode>EAV</TypeCode>
<AdditionalDocument>
<IssueDateTime>2017-09-17T00:00:00Z</IssueDateTime>
<issueLocationID>RUMOW</issueLocationID>
<IssueLocationName>Russian Federation, Moscow</IssueLocationName>
<Authenticator>
```

<Name>The Chamber of Commerce and Industry of the Russian Federation (CCI of Russia)</Name>
<ID>1027746000853</ID>
<RoleCode>AX</RoleCode>
<Address>
<TypeCode>2</TypeCode>
<CityName>Moscow</CityName>
<CountryCode>RU</CountryCode>
<Line>Ilyinka 6/1, 1 Moscow, Russian Federation</Line>
<PostcodeID>109012</PostcodeID>
</Address>
</Authenticator>
<LPCOAuthorizedParty>
<Name>RostovVinTrade</Name>
<ID>1234567890987</ID>
<RoleCode>DT</RoleCode>
<Address>
<TypeCode>2</TypeCode>
<CityName>Rostov-on-Don</CityName>
<CountryCode>RU</CountryCode>
<Line>Rostov-on-Don, Lenina st, 18, Russia</Line>
<PostcodeID>344012</PostcodeID>
</Address>
</LPCOAuthorizedParty>
</AdditionalDocument>
<AdditionalInformation>
<StatementCode>R.TR</StatementCode>
<StatementDescription>Issued Retroactively</StatementDescription>
<LimitDateTime>2017-09-16T00:00:00Z</LimitDateTime>
</AdditionalInformation>
<GoodsShipment>
<ExportationCountryCode>RU</ExportationCountryCode>
<AdditionalInformation>
<Content>Invoice will be issued later by Asia Grocery Distribution Limited. Address : 4/F How Ming Factory Building, 99 How Ming Street, Kwun Tong</Content>
<StatementCode>TCI</StatementCode>
<StatementDescription>Third Country Invoice</StatementDescription>
</AdditionalInformation>
<Consignee>
<Name>LEE KHOA TRADING</Name>
<RoleCode>CN</RoleCode>
<Address>
<CityName>Hanoi</CityName>
<CountryCode>VN</CountryCode>
<Line>Add. 44/4 Dang Van Ngu Str., Dong Da Distr.,Hanoi, Viet Nam, 115000 </Line>
</Address>
</Consignee>
<Consignment>
<BorderTransportMeans>
<TypeCode listAgencyName="EAEU">40</TypeCode>
</BorderTransportMeans>
<LoadingLocation>

<Name>Russiian Federation, Moscow</Name>
<ID>RUSVO</ID>
</LoadingLocation>
<UnloadingLocation>
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</UnloadingLocation>
</Consignment>
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</Exporter>
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<Commodity>
<Description>Sparkling wine</Description>
<CountQuantity unitCode="796">144</CountQuantity>
<Classification>
<ID>2204101100</ID>
<IdentificationTypeCode>HS code</IdentificationTypeCode>
</Classification>
<GoodsMeasure>
<GrossMassMeasure unitCode="166">80</GrossMassMeasure>
<NetNetWeightMeasure unitCode="166">60</NetNetWeightMeasure>
</GoodsMeasure>
<ProductName>
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<NameQualifierCode>brand name</NameQualifierCode>
</ProductName>
</Commodity>
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<IdentificationTypeCode>HS code</IdentificationTypeCode>
</Classification>
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<NetNetWeightMeasure unitCode="166">55</NetNetWeightMeasure>
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</ProductName>
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</Origin>
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</Classification>
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<CountryCode>VN</CountryCode>
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<SequenceNumeric>3</SequenceNumeric>
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<PreviousDocument>
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<TypeCode>861</TypeCode>
</PreviousDocument>
</n1:RootDocument>
</soap:Body>
</soap:Envelope>

Appendix E. Directories and classifiers

Table E1

Units of measurement Classifier (used in the Union)

Code	Name
166	Kilogram
797	Hundred pieces
246	1000 kilowatt-hour
130	1000 liters
114	1000 cubic meters
798	Thousand pieces
163	Grams
306	Gram fissile isotopes
162	Metric carats (1carat=2*10 (-4) kg
845	Kilogram of dry (90%) substance
841	Kilogram of hydrogen peroxide
852	Kilogram of potassium oxide
859	Kilogram of potassium hydroxide
861	Kilogram of nitrogen
863	Kilogram of sodium hydroxide
865	Kilogram of phosphorus pentoxide
867	Kilogram of uranium
305	Curie
112	Litre
831	Liter of pure (100%) alcohol
006	Meter
055	Square meter
113	Cubic meter
715	Pair
185	Capacity in tons
796	Piece

Units of measurement Classifier (used in the Viet Nam)

Code	Name
DUNK	10 units
DPCE	10 pieces
DMTR	10 meters
HPCE	100 pieces
HFT	100 FT
HGRM	100 GRAMME
HMTR	100 meters
HUNV	100 units
KSET	1000 sets
KPCE	1000 pieces
KUNC	1000 units
KROL	1000 rolls

Code	Name
KPR	1000 pairs
KPKG	1000 packs
KUNK	1000 boxes
KMTK	1000 square meters
KPIP	1000 pipes
KUNQ	1000 units
KPRO	1000 products
KUNV	1000 unit
KMTQ	1000m2
ONZ	Ounce
OII	Ounce (including package)
OIC	Ounce (including container)
OMC	Ounce (by metal content)
ODW	Ounce (by dry weight)
OZI	Measurement Ounce
BAN	Piece
BANG	Piece
BBL	Barrel
BICH	Piece
SET	Set
PCE	Piece
UNH	Unit
CT	Cara
UNY	Unit
CEN	Centimeter
UNA	Bottle
CHI	CHI
CM2	cm2
CM3	cm3
UNC	unit
CONT	CONTAINER
UNU	Piece
CUC	Unit
CUM	Group of unit
UNN	Roll
ROL	Roll
DM	dm
DM2	dm2
PR	pair
GLL	Galon
GRM	Gramme
GII	Gramme (including package)
GIC	Gramme (including container)
GMC	Gramme (by metal content)
GDW	Gramme (by dry weight)
PKG	Package
LC	lactose contained
HLTR	Hectoliter
YRD	Yard

Code	Name
YDQ	Cubic yard
YDK	Square yard
INC	Inch
UNK	Pack/box
KL	Kiloliter
KMTR	Kilometer (1000 meters)
KHW	Kilowatt hour
KGM	Kilogram
KII	Kilogram (including package)
KIC	Kilogram (including container)
KMC	Kilogram (by metal content)
KDW	Kilogram (by dry weight)
KIT	KIT
KVA	KVA
LIEU	Dose
LTR	Litter
QT	British litter
LOT	Lot
UNL	can
MTR	meter
MTQ	cubic meter
MTK	square meter
MGRM	Milligrams
MLT	Milliliters
MMTR	Millimeter
MM2	mm2
MM3	mm3
TH	Thousands
PIP	Pipe
PTI	Pints
LBR	Pounds
LII	Pounds (including package)
LIC	Pounds (including container)
LMC	Pounds (by metal content)
LDW	Pounds (by dry weight)
FOT	Feet
FTQ	Cubic feet
FTK	Square feet
UNQ	Pieces
UNB	Quyển/Tập
RAM	RAM
SOI	String
STER	Ster
DZN	Dozens
HKGM	Quintal (100kg)
TAM	Piece
TNE	Ton
MII	Tons (including package)
MIC	Tons (including container)

Code	Name
MMC	Tons (by metal content)
MDW	Tons (by dry weight)
LTN	Long tons
STN	Short tons
UNT	Piece
TO	Sheet
GRO	Gross
GT	Gross tonnage
TRO	Troy ounce
DPT	Tonnage
BAG	Bag
UND	Unit
UNV	Unit
UNIT	UNIT
LBS	LBS
VI	Grid
INC2	Inch2
SYS	System
PRO	Product
PAIL	Barred

Table E2

Classifier of transport and transportation of goods (used in the Union)

Code	Name
10	Sea transport*
20	Railway transport*
30	Road transport*
40	Air transport*
50	Mailing
71	Pipeline transport
72	Power line
80	Inland waterway transport *
90	Vehicles transported as goods under their own power
99	Others

* Including any vehicle which is transported by said transport type.

Classifier of transport and transportation of goods (used in the Viet Nam)

Code	Name
1	Air route
2	Sea route (container)
3	Sea route (un-container)
4	Land route (truck)
5	Rail way
6	River route
9	Others

Table E3

Classifier of documents types used for customs declaration
(used in the Union)

Code	Name
2. Transport (shipping) documents	
02011	Bill of lading
02012	Waybill for the carriage of goods by water transport
02013	Railway invoice
02024	TIR carnet
02025	ATA carnet
02022	Baggage check
02014	Other documents required by the rules of railway transportation
02015	Waybill under the Convention on the Contract for the International Carriage of Goods 1956
02016	Another waybill for the carriage of goods by road transport
02017	Air waybill
02018	Transport documents used in the movement of goods through pipelines or power transmission lines
02019	Postal waybill
02020	General waybill for express delivery
02021	Individual waybill for express delivery
02026	Packing List
02099	Other transport (shipping) documents
3. Documents confirming the consummation of foreign trade transaction or other documents confirming the right of possession, use and (or) disposal of goods	
03011	Agreement (contract), concluded when consummating the foreign trade transaction
03012	Documents ammending or supplementing the document, the details of which are listed under code 03011
03013	Document confirming consummation of unilateral foreign trade transaction
03014	Documents confirming the right of possession, use and (or) disposal of goods in the absence of any transaction
03021	Documents confirming the transfer of intellectual property rights (author, license agreement, certificate of registration of intellectual property, contract for use of the trademark and similar documents)
03022	Documents confirming the introduction into circulation of goods designated by the trademark within the customs territory of the Customs Union, with the consent of the owner (dealership, distributorship agreement, written consent and similar documents)
03999	Other documents confirming the right of possession, use and (or) disposal of goods
4. Commercial documents	
04021	Invoice to the Contract
04022	Other settlement or commercial documents (including cash or sales receipt for the purchase of goods in retail stores)
04023	Bank documents (if the invoice is paid, depending on the conditions of foreign trade contract), as well as other payment documents reflecting the value of the goods
04025	Pro forma invoice to the Contract
04031	Invoice for the carriage (transportation), loading, unloading and reloading goods
04032	Bank or other payment documents for payment of transportation costs, reflecting the cost of transportation (transportation), loading, unloading and reloading goods
04033	Contract on transportation, loading, unloading or reloading goods

Code	Name
04041	Invoices for provision of broking services
04042	Bank or other payment documents for provision of broking services
04043	Broking service agreement
04051	Documents on the value of goods and services provided to customers free of charge or at reduced prices for use in connection with the production and sale
04061	Invoice containing information on payments for the use of intellectual property
04062	Bank payment documents, accounting and other documents containing information on payments for the use of intellectual property
04071	Documents (including accounting) and information containing data on part of the income (revenue), which directly or indirectly is owed to the seller as a result of the subsequent sale, disposition or other means of use of goods
04081	Invoice that contains information about the cost of packaging materials and (or) work on the packaging
04082	Bank or other payment documents on the cost of packaging materials and (or) work on the packaging
04083	Contract on the cost of cargo containers, packaging, packaging materials and works on packaging
04091	Accounting records of producer of goods being valued, which contain information on the costs of production or acquisition of materials, of production costs, as well as other operations related to the production of imported goods, commercial invoices of producer of goods being valued, prepared in accordance with generally accepted accounting principles
04101	Invoice on the cost of design, development, engineering, artwork, drawings and sketches
04102	Bank or other payment documents on the cost of design, development, engineering, artwork, drawings and sketches
04111	Invoice for provision of insurance services
04112	Bank or other payment documents on the cost of insurance services
04113	Insurance policy
04115	Insurance contract
04121	Quotes of the world's stock exchanges
04999	Other documents and information that the customs applicant can provide in support of the declared customs value
6. Documents confirming and (or) containing information about the country of origin	
06011	The certificate of origin (form CT-1)
06013	The certificate of origin (form A)
06014	Non-preferential certificate of origin (general form)
06015	Advance ruling on the country of origin
06016	Declaration of origin
06017	The certificate of origin (form CT-2)
06018	The certificate of origin (form EAV)
06999	Other documents confirming the origin of goods

Classifier of documents types used for customs declaration
(used in Viet Nam)

Code	Name
INV	Invoice
BOL	B/L (Bill of Lading)
AWB	AWB (Air Waybill)
INS	Details of insurance
CON	Contract
ALL	All application dossier
ETC	Other

Appendix F. The description of web-services

Table F1

Description of Web-services in WSDL-format

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:tns="http://tempuri.org/"
xmlns:ls_1="urn:wco:datamodel:WCO:Declaration:1"
xmlns:ls_2="urn:wco:datamodel:WCO:Declaration:2"
xmlns:ls_3="urn:wco:datamodel:WCO:Declaration:3" xmlns:sgn="urn:EEC:signal:v1.0"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"
xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/" name="EECVNCertificateService"
targetNamespace="http://tempuri.org/">
<wsdl:types>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://tempuri.org/" xmlns:ls_1="urn:wco:datamodel:WCO:Declaration:1"
xmlns:ls_2="urn:wco:datamodel:WCO:Declaration:2"
xmlns:ls_3="urn:wco:datamodel:WCO:Declaration:3" xmlns:sgn="urn:EEC:signal:v1.0"
elementFormDefault="qualified">
<xsd:import namespace="urn:wco:datamodel:WCO:Declaration:1"
schemaLocation="Request.xsd"/>
<xsd:import namespace="urn:wco:datamodel:WCO:Declaration:2"
schemaLocation="Certificate.xsd"/>
<xsd:import namespace="urn:wco:datamodel:WCO:Declaration:3"
schemaLocation="Response.xsd"/>
<xsd:import namespace="urn:EEC:signal:v1.0" schemaLocation="EECSoapSignal.xsd"/>
<xsd:element name="sendCertificateDetails">
<xsd:complexType>
<xsd:sequence>
<xsd:element name="RootDocument" type="ls_2:RootDocumentType"/>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
<xsd:element name="sendRequestCertificateDetails">
<xsd:complexType>
<xsd:sequence>
<xsd:element name="RootDocument" type="ls_1:RootDocumentType"/>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
<xsd:element name="sendResultCertificateDetails">
<xsd:complexType>
<xsd:sequence>
<xsd:element name="RootDocument" type="ls_2:RootDocumentType"/>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
<xsd:element name="sendSignal">
<xsd:complexType>
<xsd:sequence>
```

<xsd:element name="Signal" type="sgn:Signal"/>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
<xsd:element name="sendResult">
<xsd:complexType>
<xsd:sequence>
<xsd:element name="ls_3RootDocument" type="ls_3:RootDocumentType"/>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:schema>
</wsdl:types>
<wsdl:message name="sendCertificateDetails">
<wsdl:part name="parameters" element="tns:sendCertificateDetails"/>
</wsdl:message>
<wsdl:message name="sendRequestCertificateDetails">
<wsdl:part name="parameters" element="tns:sendRequestCertificateDetails"/>
</wsdl:message>
<wsdl:message name="sendResultCertificateDetails">
<wsdl:part name="parameters" element="tns:sendResultCertificateDetails"/>
</wsdl:message>
<wsdl:message name="sendSignal">
<wsdl:part name="parameters" element="tns:sendSignal"/>
</wsdl:message>
<wsdl:message name="sendResult">
<wsdl:part name="parameters" element="tns:sendResult"/>
</wsdl:message>
<wsdl:portType name="EECVNCertificateService_PortType">
<wsdl:operation name="sendCertificateDetails">
<wsdl:documentation>"Providing information on the issued certificate of origin"
service</wsdl:documentation>
<wsdl:input name="sendCertificateDetails" message="tns:sendCertificateDetails"
wsam:Action="http://tempuri.org/EECVNCertificateService/sendCertificateDetails"/>
</wsdl:operation>
<wsdl:operation name="sendRequestCertificateDetails">
<wsdl:documentation>"Receiving information about the certificate of origin"
service</wsdl:documentation>
<wsdl:input name="sendRequestCertificateDetails"
message="tns:sendRequestCertificateDetails"
wsam:Action="http://tempuri.org/EECVNCertificateService/sendRequestCertificateDetails"/>
</wsdl:operation>
<wsdl:operation name="sendResultCertificateDetails">
<wsdl:documentation>"Receiving results of processing containing information on the certificate
of origin" service</wsdl:documentation>
<wsdl:input name="sendResultCertificateDetails" message="tns:sendResultCertificateDetails"
wsam:Action="http://tempuri.org/EECVNCertificateService/sendResultCertificateDetails"/>
</wsdl:operation>
<wsdl:operation name="sendSignal">
<wsdl:documentation>"Receiving of signals on the current processing status"
service</wsdl:documentation>

```
<wsdl:input name="sendSignal" message="tns:sendSignal"
wsam:Action="http://tempuri.org/EECVNCertificateService/sendSignal"/>
</wsdl:operation>
<wsdl:operation name="sendResult">
<wsdl:documentation>"Receiving of the processing result" service</wsdl:documentation>
<wsdl:input name="sendResult" message="tns:sendResult"
wsam:Action="http://tempuri.org/EECVNCertificateService/sendResult"/>
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="EECVNCertificateService_Binding"
type="tns:EECVNCertificateService_PortType">
<soap12:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
<wsdl:operation name="sendCertificateDetails">
<soap12:operation soapActionRequired="false" style="document"/>
<wsdl:input name="sendCertificateDetails">
<soap12:body use="literal"/>
</wsdl:input>
</wsdl:operation>
<wsdl:operation name="sendRequestCertificateDetails">
<soap12:operation soapActionRequired="false" style="document"/>
<wsdl:input name="sendRequestCertificateDetails">
<soap12:body use="literal"/>
</wsdl:input>
</wsdl:operation>
<wsdl:operation name="sendResultCertificateDetails">
<soap12:operation soapActionRequired="false" style="document"/>
<wsdl:input name="sendResultCertificateDetails">
<soap12:body use="literal"/>
</wsdl:input>
</wsdl:operation>
<wsdl:operation name="sendSignal">
<soap12:operation soapActionRequired="false" style="document"/>
<wsdl:input name="sendSignal">
<soap12:body use="literal"/>
</wsdl:input>
</wsdl:operation>
<wsdl:operation name="sendResult">
<soap12:operation soapActionRequired="false" style="document"/>
<wsdl:input name="sendResult">
<soap12:body use="literal"/>
</wsdl:input>
</wsdl:operation>
</wsdl:binding>
<wsdl:service name="EECVNCertificateService">
<wsdl:port name="EECVNCertificateService"
binding="tns:EECVNCertificateService_Binding">
<soap12:address location="http://tempuri.org/EECVNCertificateService"/>
</wsdl:port>
</wsdl:service>
</wsdl:definitions>
```

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