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Taxation and customs Union DG  
EMCS Computerisation Project  
Phase 4

DDNEA for EMCS Phase 4

Appendix A2: Messages Per Business Domain

|  |  |
| --- | --- |
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**Introduction**

The following developments need to be undertaken:

* A mandatory development in the Common Domain, based upon CCN/CSI and Web Interface, all these exchanges being part of the core Business Process;
* A mandatory development in the Common Domain, based upon XML (for IE701, IE713, IE714, IE734) using the Inter(Extra)net.

The overall development should cover a number of “Business Processes”, as defined for Excise Movement Control System (EMCS) in FESS.

The following Business Processes have been defined:

* Core Business for Excise;
* EMCS Common Domain Central Services;
* NCTS Common Domain Central Services;
* System Administration.

In addition, a number of “Technical Messages” need to be foreseen. These are also defined below. Please note that this Appendix is derived automatically from Appendix A1.

**Core Business**

The messages to be supported for the “Core Business” Business Processes are shown below:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **In-Scope Messages Exchanged from/to NDEA** | | | | | | | | | | | |
| **IE** | **Name** | **Reference** | **Send** | **Receive** | **Domain** | **NDEA** | | | | | |
| **MSA** | **Exchange Mechanism** | | | **EDI Format** | |
| CCN/CSI | Email Based Interface | Web Based Interface | XML | CCN/CSI |
| **IE701** | **common request** | **C\_REQ\_SUB** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE702** | **refusal of common request** | **C\_REQ\_REF** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE704** | **generic refusal message** | **N\_REJ\_DAT** | Y | N | **ED** | Y |  | R | SR | SR |  |
| **IE705** | **external request** | **E\_REQ\_SUB** | N | Y | **ED** | Y |  | R | SR | SR |  |
| **IE733** | **external list of codes** | **E\_COD\_DAT** | N | Y | **ED** | Y |  | R | SR | SR |  |
| **IE801** | **e-AD** | **C\_EAD\_VAL** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE801** | **e-AD** | **C\_EAD\_VAL** | Y | N | **ED** | Y |  | R | SR | SR |  |
| **IE802** | **reminder message for Excise movement** | **C\_EXC\_REM** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE802** | **reminder message for Excise movement** | **C\_EXC\_REM** | Y | N | **ED** | Y |  | R | SR | SR |  |
| **IE803** | **notification of diverted e-AD** | **C\_EAD\_NOT** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE803** | **notification of diverted e-AD** | **C\_EAD\_NOT** | Y | N | **ED** | Y |  | R | SR | SR |  |
| **IE810** | **cancellation of e-AD** | **C\_CAN\_DAT** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE810** | **cancellation of e-AD** | **C\_CAN\_DAT** | Y | Y | **ED** | Y |  | R | SR | SR |  |
| **IE813** | **change of destination** | **C\_UPD\_DAT** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE813** | **change of destination** | **C\_UPD\_DAT** | Y | Y | **ED** | Y |  | R | SR | SR |  |
| **IE815** | **submitted draft of e-AD** | **N\_EAD\_SUB** | N | Y | **ED** | Y |  | R | SR | SR |  |
| **IE818** | **accepted or rejected report of receipt/export** | **C\_DEL\_DAT** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE818** | **accepted or rejected report of receipt/export** | **C\_DEL\_DAT** | Y | Y | **ED** | Y |  | R | SR | SR |  |
| **IE819** | **alert or rejection of an e-AD** | **C\_REJ\_DAT** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE819** | **alert or rejection of an e-AD** | **C\_REJ\_DAT** | Y | N | **ED** | Y |  | R | SR | SR |  |
| **IE821** | **list of e-AD/e-SAD as result of a general query** | **C\_LST\_VAL** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE825** | **submitted draft of splitting operation** | **E\_SPL\_SUB** | N | Y | **ED** | Y |  | R | SR | SR |  |
| **IE829** | **notification of accepted export** | **C\_EXP\_NOT** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE829** | **notification of accepted export** | **C\_EXP\_NOT** | Y | N | **ED** | Y |  |  | SR | SR |  |
| **IE829** | **notification of accepted export** | **C\_EXP\_NOT** | Y | N | **ND** | Y |  |  |  | SR |  |
| **IE837** | **explanation on delay for delivery** | **C\_DEL\_EXP** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE837** | **explanation on delay for delivery** | **C\_DEL\_EXP** | N | Y | **ED** | Y |  | R | SR | SR |  |
| **IE839** | **Customs Rejection of e-AD** | **C\_CUS\_REJ** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE839** | **Customs Rejection of e-AD** | **C\_CUS\_REJ** | Y | N | **ED** | Y |  |  | SR | SR |  |
| **IE839** | **Customs Rejection of e-AD** | **C\_CUS\_REJ** | Y | N | **ND** | Y |  |  |  | SR |  |
| **IE861** | **basis for recovery of duties** | **C\_RES\_DAT** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE871** | **explanation on reason for shortage** | **C\_SHR\_EXP** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE871** | **explanation on reason for shortage** | **C\_SHR\_EXP** | N | Y | **ED** | Y |  | R | SR | SR |  |

**Table 1: Core Business message exchanges**

*\* The IE839 and IE829 messages were “Optional” to implement during Migration Period 1 (MP1), when the export cases were possible to implement only at national level. Both of these messages become “Mandatory” to implement on Milestone c (Mc), since during Migration Period 2 (MP2) it is also possible to exchange information related to exporting e-AADs over the Common Domain.*

*\* ND stands for "National Domain" and is used for Information Exchanges between different applications of the MSA.*

**Follow-Up and Collaboration**

The messages to be supported for the “Follow-Up and Collaboration” Business Processes are shown below:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **In-Scope Messages Exchanged from/to NDEA** | | | | | | | | | | | |
| **IE** | **Name** | **Reference** | **Send** | **Receive** | **Domain** | **NDEA** | | | | | |
| **MSA** | **Exchange Mechanism** | | | **EDI Format** | |
| CCN/CSI | Email Based Interface | Web Based Interface | XML | CCN/CSI |
| **IE717** | **control report** | **C\_CCR\_DAT** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE721** | **administrative cooperation common request** | **C\_COO\_SUB** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE721** | **administrative cooperation common request** | **C\_COO\_SUB** | Y | Y | **ND** | N | M |  |  | M |  |
| **IE722** | **movement verification request** | **C\_MVS\_SUB** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE722** | **movement verification request** | **C\_MVS\_SUB** | Y | Y | **ND** | N | M |  |  | M |  |
| **IE723** | **movement verification answer** | **C\_MVS\_ANS** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE723** | **movement verification answer** | **C\_MVS\_ANS** | Y | Y | **ND** | N | M |  |  | M |  |
| **IE724** | **reminder message for movement verification request** | **C\_MVS\_REM** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE724** | **reminder message for movement verification request** | **C\_MVS\_REM** | Y | Y | **ND** | N | M |  |  | M |  |
| **IE725** | **movement verification results** | **C\_MVS\_RES** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE725** | **movement verification results** | **C\_MVS\_RES** | Y | Y | **ND** | N | M |  |  | M |  |
| **IE807** | **interruption of movement** | **C\_STP\_NOT** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE807** | **interruption of movement** | **C\_STP\_NOT** | Y | Y | **ED** | N | M |  |  | M |  |
| **IE880** | **manual closure request** | **C\_MNC\_REQ** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE881** | **manual closure response** | **C\_MNC\_RES** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE881** | **manual closure response** | **C\_MNC\_RES** | Y | Y | **ED** | N | M |  |  | M |  |
| **IE840** | **event report** | **C\_EVT\_DAT** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE840** | **event report** | **C\_EVT\_DAT** | Y | Y | **ED** | N | M |  |  | M |  |
| **IE867** | **administrative cooperation results** | **C\_COO\_RES** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE867** | **administrative cooperation results** | **C\_COO\_RES** | Y | Y | **ND** | N | M |  |  | M |  |
| **IE868** | **answer message** | **C\_COO\_ANS** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE868** | **answer message** | **C\_COO\_ANS** | Y | Y | **ND** | N | M |  |  | M |  |
| **IE869** | **reminder message for administrative cooperation** | **C\_COO\_REM** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE869** | **reminder message for administrative cooperation** | **C\_COO\_REM** | Y | Y | **ND** | N | M |  |  | M |  |

**Table 2: Follow-Up and Collaboration Messages message exchanges**

**Technical Messages**

In addition, a number of “Technical Messages” need to be foreseen. These are summarised below:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **In-Scope Messages Exchanged from/to NDEA** | | | | | | | | | | | |
| **IE** | **Name** | **Reference** | **Send** | **Receive** | **Domain** | **NDEA** | | | | | |
| **MSA** | **Exchange Mechanism** | | | **EDI Format** | |
| CCN/CSI | Email Based Interface | Web Based Interface | XML | CCN/CSI |
| **IE904** | **status request** | **C\_STD\_REQ** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE905** | **status response** | **C\_STD\_RSP** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE906** | **functional NACK** | **C\_FUN\_NCK** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE917** | **negative acknowledgement of XML receipt** | **C\_XML\_NAC** | Y | Y | **CD** | N | M |  |  | M |  |
| **IE917** | **negative acknowledgement of XML receipt** | **C\_XML\_NAC** | Y | N | **ED** | Y |  | R | SR | SR |  |
| **IE934** | **data packaging** | **C\_PAC\_DAT** | Y | Y | **CD** | N | M |  |  | M |  |
| **Infrastructure (CCN/CSI) Messages** | | | | | | | | | | | |
| **IE908** | **confirm on delivery acknowledgement** | **C\_COD\_ACK** | Y | Y | **CD** | N | M |  |  |  | M |
| **IE909** | **confirm on arrival acknowledgement** | **C\_COA\_ACK** | Y | Y | **CD** | N | M |  |  |  | M |
| **IE910** | **expiration notification** | **C\_EXP\_NOT** | Y | Y | **CD** | N | M |  |  |  | M |
| **IE911** | **exception notification** | **C\_EXC\_NOT** | Y | Y | **CD** | N | M |  |  |  | M |

**Table 3: Technical message exchanges**

The IE908, IE909, IE910 and IE911 messages are standard internal CCN/CSI messages that merely need to be used in order to perform message exchanges. Section X of the main document explains in detail how these messages need to be used. The IE906 and IE917 messages are intended for error and exception handling. The core Business Process will thus require:

* The implementation of a number of messages in XML format on the CCN/CSI platform;
* The implementation of a number of messages in the National and External Domains, on a platform to be developed by the MSA.

**Note on common Technical Messages:**

The CCN/CSI Technical Messages (IE908, IE909, IE910 and IE911) are always used for Core Business exchanges. They will also be used for performing exchanges with the SEED and NCTS CS/RD applications. The CCN/CSI messages are transparent to the users. Details concerning the Technical CCN/CSI Messages are included in Section X of the main document. The Functional NACK and XML NACK messages (IE906 and IE917) are used to report errors when exchanging Excise Movements IEs. They will also be used to report errors when exchanging IEs via CCN/CSI with the SEED and NCTS CS/RD applications (note that a MSA can choose whether or not they will use CCN/CSI for performing exchanges with EMCS Central Services).

**Central Services**

The messages exchanged between a NDEA and Central Services are shown below:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Messages Scope NDEA & Central Services** | | | | | | | | | | | | | | | | |
| **IE** | **Name** | **Reference** | **NDEA** | | | | | | | **Central Services** | | | | | | |
| **Send** | **Receive** | **Domain** | **Exchange Mechanism** | | **EDI Format** | | **Send** | **Receive** | **Domain** | **Exchange Mechanism** | | **EDI Format** | |
| CCN/CSI | Web Based Interface | XML | CCN/CSI | CCN/CSI | Web Based Interface | XML | CCN/CSI |
| **IE701** | **common request** | **C\_REQ\_SUB** | Y | N | **CD** | M | O | M |  | Y | Y | **CD** | M | M | M |  |
| **IE702** | **refusal of common request** | **C\_REQ\_REF** | N | Y | **CD** | M | O | M |  | Y | N | **CD** | M | M | M |  |
| **IE713** | **incremental update or full register of economic operators** | **C\_QRO\_DAT** | Y | Y | **CD** | M | O | M |  | Y | N | **CD** | M | M | M |  |
| **IE714** | **refusal of update of economic operators** | **C\_QRO\_REF** | N | Y | **CD** | M | O | M |  | N | Y | **CD** | M | M | M |  |
| **IE734** | **reference data dissemination** | **C\_RDD\_REF** | N | Y | **CD** | M | O | M |  | Y | N | **CD** | M | M | M |  |
| **IE742** | **SEED statistics** | **C\_STA\_VAL** | N | Y | **CD** | M | O | M |  | Y | N | **CD** | M | M | M |  |
| **IE770** | **business process unavailability schedule** | **C\_AVA\_DAT** | Y | Y | **CD** | M | O | M | M | Y | Y | **CD** | M | M | M | M |
| **IE906** | **functional NACK** | **C\_FUN\_NCK** | N | Y | **CD** | M | O | M |  | Y | N | **CD** | M | M | M |  |
| **IE908** | **confirm on delivery acknowledgement** | **C\_COD\_ACK** | Y | Y | **CD** | M |  |  | M | Y | N | **CD** | M | M | M |  |
| **IE909** | **confirm on arrival acknowledgement** | **C\_COA\_ACK** | Y | Y | **CD** | M |  |  | M | Y | Y | **CD** | M |  |  | M |
| **IE910** | **expiration notification** | **C\_EXP\_NOT** | Y | Y | **CD** | M |  |  | M | Y | Y | **CD** | M |  |  | M |
| **IE911** | **exception notification** | **C\_EXC\_NOT** | Y | Y | **CD** | M |  |  | M | Y | Y | **CD** | M |  |  | M |
| **IE917** | **negative acknowledgement of XML receipt** | **C\_XML\_NAC** | N | Y | **CD** | M | O | M |  | Y | Y | **CD** | M |  |  | M |

**Table 4: NDEA and Central Services message exchanges**

The messages exchanged between the Central Services are shown below:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **In-Scope Messages Exchanged between CS/RD** | | | | | | | | | | | | | | | | |
| **IE** | **Name** | **Reference** | **SEED** | | | | | | | **CS/RD** | | | | | | |
| **Send** | **Receive** | **Domain** | **Exchange Mechanism** | | | **EDI Format** | **Send** | **Receive** | **Domain** | **Exchange Mechanism** | | | **EDI Format** |
| CCN/CSI | Email Based Interface | Web Based Interface | XML | CCN/CSI | Email Based Interface | Web Based Interface | XML |
| **IE914** | **COL REQUEST** | **C\_COL\_REQ** | Y | N | **CD** | M |  |  | M | Y | N | **CD** |  |  |  | M |
| **IE916** | **COMMON RD REQUEST** | **C\_REF\_REQ** | Y | N | **CD** | M |  |  | M | Y | N | **CD** |  |  |  | M |
| **IE931** | **COL DATA** | **C\_COL\_DAT** | N | Y | **CD** | M |  |  | M | N | Y | **CD** |  |  |  | M |
| **IE932** | **COMMON RD DATA** | **C\_REF\_DAT** | N | Y | **CD** | M |  |  | M | N | Y | **CD** |  |  |  | M |

**Table 5: Central Services message exchanges**

**System Administration**

This Business Process does not require any specific implementation of messages. It however requires the implementation of a number of requirements, which are stated in Section VI of the main document.