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<b>TAXATION AND CUSTOMS UNION DG EMCS COMPUTERISATION PROJECT PHASE 3</b>		
<b>SUBJECT:</b>		
<b>APPENDIX A2: MESSAGES PER BUSINESS DOMAIN</b>		
<b>DDNEA FOR EMCS PHASE 3</b>		
<b>(ECP3-FITSDEV3-SC05-DDNEA_P3_APP_A2)</b>		
<b>FRAMEWORK CONTRACT TAXUD/2013/CC/121</b>		
<b>SPECIFIC CONTRACT NR 05</b>		

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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.

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## 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
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

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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 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.

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## 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
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

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IE820	history results	C_HIM_RES	Y	Y	CD	N	M			M	
IE820	history results	C_HIM_RES	Y	Y	ND	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**

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## 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
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
<b>Infrastructure (CCN/CSI) Messages</b>										
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

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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).



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## 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

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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

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## **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.