

OWNER: DG TAXUD	ISSUE DATE: 16/03/2017	VERSION: 13.00
Taxation and Customs Union DG		
SUBJECT:		
DDNIA FOR ICS Phase 1		
Appendix A1: Full Message Scope (CUST-DEV3-SC09 DDNIA_APP_A1)		
FRAMEWORK CONTRACT TAXUD/2013/CC/124 SPECIFIC CONTRACT 09		

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REF : CUST-DEV3-SC09 DDNIA_APP_A1	ALIGNED TO DDNIA RFC-LIST.29
APPENDIX A1: FULL MESSAGE SCOPE	

Columns Name	Columns content description	Possible Values¹
IE	The Information Exchange identifier as defined in the “FTSS 4.00 as amended with Corrigendum 1/2002” [A3] (Appendix B) and “FSS - AIS Addendum 1/2006 Rev 6” [A4] (Appendix B1).	IE+’number’
Name	The name of Information Exchange as defined in the “FTSS 4.00 as amended with Corrigendum 1/2002” [A3] (Appendix B) and “FSS - AIS Addendum 1/2006 Rev 6” [A4] (Appendix B1).	Text
Reference	The reference of the IE as defined in the DDNIA. The IEs starting with E_, N_ and C_ are the messages exchanged in the External, National and Common Domains, respectively.	X_xxx_xxx
National Import Control Application This section defines which IEs are mandatory or (strongly) recommended for the Member States, the exchange mechanism and the format of the message in ICS.		
Send	<p>This column determines if the construction and the submission of the IE have to be processed.</p> <p>An “M” means that the MS must implement the construction and the sending of this Information Exchange in full compliance with the FSS, in order to comply with the legal base, while an “R”, an “SR” and an “O” indicate that it is recommended, strongly recommended and optional for the MS to do so, respectively.</p> <p>A blank cell means that in case of:</p> <ul style="list-style-type: none"> E_ IE, the IE does not need to be sent during ICS; C_ IE, the IE must not be sent during ICS. 	M, SR, R, O, blank

¹ The legend for the values is:

M : Mandatory
SR : Strongly Recommended
R : Recommended
O : Optional
Y : Yes

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Receive	<p>This column determines if the reception and the processing of the IE have to be implemented.</p> <p>An “M” means that the MS must implement the reception and the processing of this IE in full compliance with the “FTSS 4.00 as amended with Corrigendum 1/2002” [A3] Appendix B and “FSS - AIS Addendum 1/2006 Rev 6” (Appendix B1) [A4] in order to comply with the legal base, while an “R”, an “SR” and an “O” indicate that it is recommended, strongly recommended and optional for the MS to do so, respectively.</p> <p>A blank cell means that in case of:</p> <ul style="list-style-type: none"> • E_ IE, the IE does not need to be received during ICS; • C_ IE, the IE must not be received during ICS. 	M, SR, R, O, blank
Exchange Mechanism	This section defines the exchange mechanism for the IE: paper, up to the Member States, CCN/CSI or Web.	
Paper	<p>A “Y” or an “M” means that the IE has to be exchanged on paper:</p> <ul style="list-style-type: none"> • The “M” indicates that the printing must be made according a layout imposed by the legal base; • The “Y” indicates that the printing must be made according a nationally defined layout. <p>This paper mechanism and its associated format are not specified further in the DDNIA.</p> <p>A blank cell means that the IE does not have to be exchanged on paper.</p>	M, Y, blank
MS	<p>A “Y” means that the MS must decide how to implement the send/receive functions: the choice of exchange mechanism (paper, fax, phone, DTI, etc.) and the choice of format (forms, EDI, format, etc.). This mechanism is not specified in the DDNIA. This document provides only recommendation for the EDI format of the External IEs.</p> <p>A blank cell means that it is not left up to the MS to choose the exchange mechanism of the IE.</p>	Y, blank
CCN/CSI	<p>An “M” means that the IE has to be exchanged via CCN/CSI. The CCN/CSI exchange mechanism is specified in the body of DDNIA.</p> <p>A blank cell means that the IE has not to be exchanged via CCN/CSI.</p>	M, blank

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Columns Name	Columns content description	Possible Values¹
Web	<p>An “M” means that the IE has to be exchanged via Internet. The Web exchange mechanism is specified in the DDNIA.</p> <p>A blank cell means that the IE does not have to be exchanged via Internet.</p>	M, blank
EDI Format	This section defines the EDI format used for the IE: EDIFACT, XML or CCN/CSI.	
EDIFACT	<p>This column determines if the IE has to be formatted according to the EDIFACT standard. These IEs are specified in the body of DDNIA.</p> <p>An “M” means that the MS must implement the IE in EDIFACT according to the specification of DDNIA, an “R”, an “SR” or an “O” means that it is recommended, strongly recommended or optional for the MS to implement the IE according to the EDIFACT specification of the DDNIA.</p> <p>A blank cell means that the IE does not have to be formatted according to the EDIFACT.</p>	M, SR, R, O, blank
XML	<p>This column determines if the IE has to be formatted according to XML. XML stands for “eXtended Mark-up Language” and is an emerging standard in the Web technology and for EDI over Internet. These IEs are specified in Appendix A of the DDNIA.</p> <p>An “M” means that the MS must implement the IE in XML, an “R”, an “SR” or an “O” means that it is recommended, strongly recommended or optional for the MS to implement the IE according to the XML format.</p> <p>A blank cell means that the IE does not have to be formatted according to XML.</p>	M, SR, R, O, blank
CCN/CSI	<p>This column determines if the IE has to be formatted according to the CCN message internal structure.</p> <p>An “M” means that the MS must implement the IE via CCN/CSI, an “R”, an “SR” or an “O” means that it is recommended, strongly recommended or optional for the MS to implement the IE according to the CCN/CSI format.</p> <p>A blank cell means that the IE does not have to be formatted according to CCN/CSI.</p>	M, SR, R, O, blank

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The ‘Central Services ICS’ This section defines IEs that are implemented in the Central Project Central Services (CS), which includes CS/RD, the exchange mechanism and the format of the message in ICS.		
Send	<p>This column determines if the construction and the submission of the IE will be implemented in the CS.</p> <p>A “Y” means that the IE will be constructed and sent to the NICAs in full compliance with the “FTSS 4.00 as amended with Corrigendum 1/2002” [A3] Appendix B and “FSS – AIS Addendum 1/2006 Rev. 6” [A4] (Appendix B1).</p> <p>A blank cell means that the IE will not be sent in the scope of ICS.</p>	Y, blank
Receive	<p>This column determines if the reception and the processing of the IE will be implemented in CS.</p> <p>A “Y” means that the IE will be received and processed in the CS in full compliance with the “FTSS 4.00 as amended with Corrigendum 1/2002” [A3]. Appendix B and “FSS – AIS Addendum 1/2006 Rev. 6” [A4] (Appendix B1).</p> <p>A blank cell means that the IE will not be received in the scope of ICS.</p>	Y, blank
Exchange Mechanism	This section defines the exchange mechanism for the IE: paper, up to the Member States, Queues, CCN/CSI or Web.	
Paper	<p>A “Y” means that the IE will be exchanged on paper according to a layout imposed by the legal base.</p> <p>A blank cell means that the IE does not have to be exchanged on a paper.</p>	Y, blank
MS	<p>The CS does not support the exchange of the External IEs.</p> <p>A blank cell means that this exchange mechanism is not used.</p>	Y, blank
Queues	<p>The CS does not support the exchange of the External IEs.</p> <p>A blank cell means that this exchange mechanism is not used.</p>	Y, blank

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Columns Name	Columns content description	Possible Values¹
CCN/CSI	<p>This column determines if the IE will be formatted according to the CCN message internal structure in the CS.</p> <p>A “Y” means that the IE will be implemented via CCN/CSI.</p> <p>A blank cell means that this exchange mechanism is not used.</p>	Y, blank
Web	<p>This column determines if the IE will be formatted according to the Web message structure in the CS. A “Y” means that the IE has to be exchanged via Internet. The Web exchange mechanism is specified in DDNIA.</p> <p>A blank cell means that this exchange mechanism is not used.</p>	Y, blank
EDI Format	This section defines the EDI format used for the IE: EDIFACT, XML or CCN/CSI.	
EDIFACT	<p>A “Y” means that the IE will be implemented in EDIFACT format according to the specification of the DDNIA.</p> <p>A blank cell means that the IE will not be formatted according to the EDIFACT.</p>	Y, blank
XML	<p>A “Y” means that the IE will be formatted according to XML and XML will be formatted according to the specification of the DDNIA.</p> <p>A blank cell means that the IE will not be formatted according to XML.</p>	Y, blank
CCN/CSI	<p>A “Y” means that the IE will be formatted according to CCN message internal structure.</p> <p>A blank cell means that the IE will not be formatted according to CCN/CSI.</p>	Y, blank

Table 1: Scope of Information Exchanges matrix definitions

The columns "Send" and "Receive" define whether the implementation of an Information Exchange is Mandatory, Strongly Recommended, Recommended and Optional. As some Information Exchanges are unidirectional only, this has been split over 2 columns. To be noted is that all Information Exchanges in the Common Domain are Mandatory.

The next 4 columns (Paper, MS, CCN/CSI and Web) specify which exchange mechanism needs to be used for performing the exchanges:

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- Paper exchanges only. If this is the case, column “Paper” is marked with the M (for paper exchanges having a legal basis), and with the Y (for paper exchanges without such a basis). To be noted is that “paper exchange” should be understood here as “any exchange not involving specific Import EDI means” (and could potentially involve systems out of the scope of AIS).
- Exchanges as electronic (EDI) messages. This can be:
 - Exchanges for which the exchange mechanism (communication platform) has been defined beforehand. This can be either the CCN/CSI platform or the Inter(Extra)net;
 - Exchanges, for which the exchange mechanism and platform needs to be defined and implemented by the NA.

Concerning the Inter(Extra)net, it must be noted that currently the usage of the Internet is foreseen. As all Inter(Extra)net exchanges will be HTTP-based, it is possible to migrate these exchanges to any Extranet that is HTTP-compatible. A possibility would thus be to use the CCN platform for implementing such an Extranet. In that case, access to the Extranet can be provided to those NA that do not have a CCN gateway yet, via a remote connection to the CCN gateway of the European Commission, located at the NCTS-CO.

Thus, there can be 3 possible communication platforms for the electronic exchanges: the CCN/CSI platform, the Inter(Extra)net, and the NA-specific platform. It should also be noted that Common Domain messages always must be implemented using either CCN/CSI or the Inter(Extra)net. For the External and National Domain messages, the choice is left up to the NA.

There are a number of exceptions to the rules mentioned above:

- All messages have only one (predefined) transport medium, except for the exchanges with the CS/RD application. This concerns the IE30, IE31, IE32, IE931 and IE932 messages. These messages can be exchanged via both the Web and CCN/CSI. The NAs thus have the choice to use either the Inter(Extra)net for performing such exchanges, or to use the CCN/CSI platform. The CS/RD application supports both types of communication. Therefore, only an NICA needs to support one type of communication with CS/RD (CCN/CSI based, or Inter(Intra)net based);
- Additionally, the IE031/IE032 and IE071 messages will also be sent to the national users as e-mail attachments.

The next 3 columns specify that in which format the electronic messages need to be exchanged:

- EDIFACT format;
- XML format;
- An (internal) CCN/CSI specific format (for CCN/CSI service messages only). The messages that are mandatory, and that are to be transported across CCN/CSI, should always be in principle provided in the XML format, except for specific CCN/CSI service messages that are to be transported in a CCN/CSI internal format.

The messages that are mandatory and that are to be exchanged via the Inter(Extra)net, should always be in principle provided in the XML format.

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- C_COL_COM / C_COL_NAT / C_REF_MOD / C_UNA_COM / C_UNA_NAT: The XML format is only supported by the Central Services/Reference Data for ICS. The NICA uses this format both when exchanging these messages across CCN/CSI and via the Inter(Intra)net;
- C_UNA_NAT: The XML format needs to be used both when exchanging this message across CCN/CSI and via the Inter(Intra)net;
- C_UPL_RSP: reports on errors after upload of the COL information towards CS/RD;
- C_COL_REQ: enables to request the COL information from CS/RD;
- C_COL_DAT: contains the entire COL. The structure of this message is equal to IE31, except that C_COL_DAT does not contain transactional information in the ACTION data group;
- C_UNA_COM / C_UNA_NAT: Although [A2] did not specify any format for the IE070 and IE071, it has been decided to foresee the XML format for these exchanges;
- C_COD_ACK / C_COA_ACK / C_EXP_NOT / C_EXC_NOT: These messages are not EDIFACT messages but rather CCN/CSI reports.

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IE	Name	Reference	National Import Control Application									Central Services ICS Developed by the Central Project								
			Send	Receive	Exchange Mechanism				EDI Format			Send	Receive	Exchange Mechanism				EDI Format		
					Paper	MS	CCN/CSI	Web	EDIFACT	XML	CCN/CSI			Paper	MS	CCN/CSI	Web	EDIFACT	XML	CCN/CSI
IE030	Notification of customs offices modification to common domain	C_COL_COM	M				M	M		M			Y			Y	Y		Y	
IE031	Notification of customs offices modification to national domain	C_COL_NAT		M			M	M		M		Y				Y	Y		Y	
IE032	Notification of common reference data modification to national domain	C_REF_MOD		M			M	M		M		Y				Y	Y		Y	
IE070	Notification of System Unavailability To CD	C_UNA_COM	M					M		M			Y				Y		Y	
IE071	Notification of System Unavailability To ND	C_UNA_NAT		M				M		M		Y					Y		Y	
IE301	ENS ^{2, 3}	C_ENS_SND	SR	SR			SR			M										
IE302	Declaration request Import	C_IMP_REQ	M	M			M			M										
IE303	Entry Summary Declaration response	C_ENS_RSP	M	M			M			M										
IE304	Entry Summary Declaration Amendment Acceptance	E_ENS_AAC	M							SR					Y					
IE305	Entry Summary declaration Amendment rejection	E_ENS_ARJ	M							SR					Y					
IE313	Entry Summary Declaration amendment	E_ENS_AMD		M						SR					Y					
IE315	Entry Summary Declaration	E_ENS_DAT		M						SR					Y					
IE316	Entry Summary Declaration rejected	E_ENS_REJ	M							SR					Y					
IE319	Transmission to Subsequent office of entry	C_ENS_SUB	M	M			M			M										
IE323	Diversion request Import	E_DIV_REQ		M						SR					Y					

²The IE301 message is mandatory 'M' for Member States that allow the ENS to be lodged at an Office of Lodgement located in a different Member State than the Member State that the Office of first Entry is located.

³ The IE301 message is mandatory 'M' for Member States that allow the ENS to be received from an Office of Lodgement located in a different Member State than the Member State that the Office of first Entry is located.

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IE	Name	Reference	National Import Control Application									Central Services ICS Developed by the Central Project								
			Send	Receive	Exchange Mechanism				EDI Format			Send	Receive	Exchange Mechanism				EDI Format		
					Paper	MS	CCN/CSI	Web	EDIFACT	XML	CCN/CSI			Paper	MS	CCN/CSI	Web	EDIFACT	XML	CCN/CSI
IE324	Diversion request Rejected	E_DIV_REJ	M							SR					Y					
IE325	Diversion request Acknowledgement	E_DIV_ACK	M							SR					Y					
IE328 ⁴	Entry Summary Declaration Acknowledgement	E_ENS_ACK	M							SR					Y					
IE351	Advanced Intervention Notification	E_AIV_NOT	M							SR					Y					
IE411	Sending of Statistics Data	C_STA_SND	M				M	M		M			Y			Y	Y		Y	
*IE412	Statistics Generated sent to National Domain	C_STA_GEN		M				M		M		Y					Y		Y	
IE906	Functional Nack	C_FUN_NCK	M	M			M			M		Y	Y			Y			Y	
IE908	CCN/CSI Confirm On Delivery Acknowledgement	C_COD_ACK	M	M			M				M									
IE909	CCN/CSI Confirm On Arrival Acknowledgement	C_COA_ACK	M	M			M				M									
IE910	CCN/CSI Expiration notification	C_EXP_NOT	M	M			M				M									
IE911	CCN/CSI Exception notification	C_EXC_NOT	M	M			M				M									
IE912	Availability Matrix	C_AVL_MTX	M					M		M			Y				Y		Y	
IE913	Upload parsing response	C_UPL_RSP		M			M	M		M		Y				Y			Y	
IE914	COL Request	C_COL_REQ	M				M			M			Y			Y			Y	
IE916	Common RD request	C_REF_REQ	M				M			M			Y			Y			Y	
IE917	XML Nack	C_XML_NCK	M	M			M			M		Y	Y			Y			Y	
IE931	COL data	C_COL_DAT		M			M	M		M		Y				Y	Y		Y	
IE932	Common RD data	C_REF_DAT		M			M	M		M		Y				Y	Y		Y	
IE971	Full unavailability schedule	C_UNA_DAT		M				M		M		Y					Y		Y	

* The produced IE412 messages are available for download via the CS/MIS Web interface in any of the following formats: XML, XLS, HTML or TXT.

⁴ Member States are free to allow the sending of ENS by an Office of Lodgement to an Office of First Entry, and the reception by the Office of First Entry of an ENS sent by an Office of Lodgement. It is only in the case that 'Office of Lodgement' services are offered that this IE is **Mandatory**.