## The scope of Information Exchanges

Besides the EBPs, the scope of CS and SA for NCTS, ECS, ICS and CDCA can be expressed in terms of IEs. The table below illustrates the IEs that are within the scope of the CS and SA functionality.

The meaning of each column should be taken as follows:

| **Columns Name** | | Columns content description | Possible Values[[1]](#footnote-1) |
| --- | --- | --- | --- |
| IE | | The IE identifier as defined in the [R25] (Appendix B), [R13] (Appendix B1) and [R14] (Appendix B2). | IE+’number’ |
| Name | | The name of IE as defined in the [R25] (Appendix B), [R13] (Appendix B1) and [R14] (Appendix B2). | Text |
| Reference | | The reference of the IE as defined in [R16], [R17] and [R18]. IE starting with E\_, N\_ and C\_ are messages exchanged respectively in the External, National and Common Domains. | X\_xxx\_xxx |
| NCTS-P4 | | This column determines if the specific IE is supported in the NCTS-P4 domain.  A “Y” means that the IE is exchanged in the specific domain. | Y, blank |
| NCTS-P5 | | This column determines if the specific IE is supported in the NCTS-P5 domain.  A “Y” means that the IE is exchanged in the specific domain. | Y, blank |
| NCTS-P6 | | This column determines if the specific IE is supported in the NCTS-P6 domain.  A “Y” means that the IE is exchanged in the specific domain. | Y, blank |
| AES-P1 | | This column determines if the specific IE is supported in the AES-P1 domain.  A “Y” means that the IE is exchanged in the specific domain. | Y, blank |
| ECS-P2 | | This column determines if the specific IE is supported in the ECS-P2 domain.  A “Y” means that the IE is exchanged in the specific domain. | Y, blank |
| ICS-P1 | | This column determines if the specific IE is supported in the ICS-P1 domain.  A “Y” means that the IE is exchanged in the specific domain. | Y, blank |
| National Control Application  This section defines which IEs are mandatory or (strongly) recommended for the MSs / NAs, the exchange mechanism and the format of the message. | | | |
| Send | | This column determines if the construction and the submission of the IE have to be processed.  An “M” means that the NA must implement the construction and the sending of this IE in full compliance with [R25] (Appendix B), [R13] (Appendix B1) and [R14] (appendix B2), in order to comply with the legal base, while “R”, “SR” and “O” indicate that it is recommended, strongly recommended and optional for the NA to do so, respectively.  A blank cell means that in case of:   * E\_ IE, the IE does not need to be sent during NCTS, ECS/AES or ICS when implementing the CS and the SA functionality; * C\_ IE, the IE must not be sent during NCTS, ECS/AES or ICS when implementing the CS and the SA functionality. | M, SR, R, O, blank |
| Receive | | This column determines if the reception and the processing of the IE have to be implemented.  An “M” means that the NA must implement the reception and the processing of this IE in full compliance with [R25] (Appendix B), [R13] (Appendix B1) and [R14] (appendix B2) in order to comply with the legal base, while “R”, “SR” and “O” indicate that it is recommended, strongly recommended and optional for the NA to do so, respectively.  A blank cell means that in case of:   * E\_ IE, the IE does not need to be received during NCTS, ECS/AES or ICS when implementing the CS and the SA functionality; * C\_ IE, the IE must not be received during NCTS, ECS/AES or ICS when implementing the CS and the SA functionality. | M, SR, R, O, blank |
| **Exchange Mechanism** | | This section defines the exchange mechanism for the IE: paper, up to the NA s, CCN/CSI or Web. | |
|  | Paper | A “Y” or a “M” means that the IE has to be exchanged on paper:   * An “M” indicates that the printing must be made according a layout imposed by the legal base; * A “Y” indicates that the printing must be made according to a nationally defined layout.   This paper mechanism and its associated format are not specified further in this document.  A blank cell means that the IE does not have to be exchanged on paper. | M, Y, blank |
|  | MS | A “Y” means that the NA must decide how to implement the send/receive functions: choice of exchange mechanism (paper, fax, phone, DTI, etc) and choice of format (forms, EDI, format, etc). This mechanism is not specified in this document. This document provides only recommendation for the EDI format of the External IEs.  A blank cell means that it is not left up to the NA to choose the exchange mechanism of the IE. | Y, blank |
|  | CCN/CSI | An “M” means that the IE has to be exchanged via CCN/CSI. The CCN/CSI exchange mechanism is specified in the body of this document.  A blank cell means that the IE has not to be exchanged via CCN/CSI. | M, blank |
|  | Web | An “M” means that the IE has to be exchanged via Internet. The Web exchange mechanism is specified in this document.  A blank cell means that the IE does not have to be exchanged via Internet. | M, blank |
| EDI Format | | This section defines the EDI format used for the IE: EDIFACT, XML or CCN/CSI. | |
|  | EDIFACT | This column determines if the IE has to be formatted according to EDIFACT standard. These IEs are specified in [R16], [R17] and [R18].  A “M” means that the NA must implement the IE in EDIFACT according to the specifications of [R17], [R16] or [R18], an “R”, a “SR” or an “O” means that it is recommended, strongly recommended or optional for the NA to implement the IE according to the EDIFACT specification of this document.  A blank cell means that the IE does not have to be formatted according to EDIFACT. | M, SR, R, O, blank |
|  | XML | 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 [R16], [R17] and [R18].  An “M” means that the NA must implement the IE in XML, an “R”, a “SR” or an “O” means that it is recommended, strongly recommended or optional for the NA to implement the IE according to the XML format.  A blank cell means that the IE does not to have to be formatted according to XML. | M, SR, R, O, blank |
|  | CCN/CSI | This column determines if the IE has to be formatted according to the CCN message internal structure.  An “M” means that the NA 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 NA to implement the IE according to the CCN/CSI format.  A blank cell means that the IE does not have to be formatted according to CCN/CSI. | M, SR, R, O, blank |
| The ‘Central Services’  This section defines which IEs are implemented in the Central Project CS, which includes CS/RD2[[2]](#footnote-2), CS/MIS69 or CS/MIS2, the exchange mechanism and the format of the message. | | | |
| Send | | This column determines if the construction and the submission of the IE will be implemented in NCTS, ECS/AES or ICS.  A “Y” means that the IE will be constructed and sent from NCTS, ECS/AES or ICS.  A blank cell means that the IE will not be sent in the scope of NCTS, ECS/AES or ICS. | Y, blank |
| Receive | | This column determines if the reception and the processing of the IE will be implemented in NCTS, ECS or ICS.  A “Y” means that the IE will be received and processed in NCTS, ECS/AES or ICS.  A blank cell means that the IE will not be received in the scope of NCTS, ECS/AES or ICS. | Y, blank |
| **Exchange Mechanism** | | This section defines the exchange mechanism for the IE: paper, up to the NA s, Queues, CCN/CSI or Web." | |
|  | Paper | A “Y” means that the IE will be exchanged on paper according to a layout imposed by the legal base.  A blank cell means that the IE does not have to be exchanged on paper | Y, blank |
|  | MS | A “Y” means that the NA must decide how to implement the send/receive functions: choice of exchange mechanism (paper, fax, phone, DTI, etc) and choice of format (forms, EDI, format, etc). The exchange mechanism is not specified in this document. This document provides only recommendation for the EDI format of the External IEs.  A blank cell means that it is not left up to the NA to choose the exchange mechanism of the IE. | Y, blank |
|  | CCN/CSI | This column determines if the IE will be formatted according to CCN message internal structure.  A “Y” means that the IE will be implemented via CCN/CSI."  A blank cell means that this exchange mechanism is not used. | Y, blank |
|  | Web | A “Y” means that the NA will be responsible for downloading the messages from the CS/RD2 Web site and placing them in the appropriate MCC or ECN+ queue.  A blank cell means that this exchange mechanism is not used. | Y, blank |
| EDI Format | | This section defines the EDI format used for the IE: EDIFACT, XML or CCN/CSI | |
|  | EDIFACT | A “Y” means that the IE will be implemented in EDIFACT format according to the specifications of [R17], [R18] or this document.  A blank cell means that the IE will not be formatted according to EDIFACT. | Y, blank |
|  | XML | A “Y” means that the IE will be formatted in XML according to the specifications of [R39], [R40] or [R44].  A blank cell means that the IE will not be formatted according to XML. | Y, blank |
|  | CCN/CSI | A “Y” means that the IE will be formatted according to CCN message internal structure.  A blank cell means that the IE will not be formatted according to CCN/CSI. | Y, blank |

Table 1: Scope of Information Exchanges matrix definitions

### Scope of IEs for Central Services and System Administration

| **IE** | **Name** | **Reference** | **NCTS-P4** | **ECS-P2** | **NCTS-P5** | **AES-P1** | **NCTS-P6** | **ICS-P1** | **National Customs Application** | | | | | | | **Central Services** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Send | Receive | **Exchange Mechanism** | | **Format** | | | Send | Receive | **Exchange Mechanism** | | **Format** | |
| CCN/CSI | Web | EDIFACT | XML | CCN/CSI | CCN/CSI | Web | EDIFACT | XML |
|  |  |  |  |  | Y |  | M | M | M |  | M |  | Y |  | Y | Y |  | Y |
| IE070 | Notification of System Unavailability To CD | C\_UNA\_COM | Y | Y | Y | Y | Y | Y | M |  |  | M |  | M |  |  | Y | Y | Y |  | Y |
| IE071 | Notification of System Unavailability To ND | C\_UNA\_NAT | Y | Y | Y | Y | Y | Y |  | M |  | M |  | M |  | Y |  | Y | Y |  | Y |
| IE078 | Inter-Domain Linking | C\_MRN\_LNK |  |  | Y |  | Y |  | M |  | M |  |  | M |  |  | Y | Y |  |  | Y |
| IE094 | Status Request | C\_STD\_REQ |  |  | Y |  | Y |  | Μ | Μ | Μ |  |  | Μ |  | Υ | Υ | Υ |  |  | Υ |
| IE095 | Status Response | C\_STD\_RSP |  |  | Y |  | Y |  | Μ | Μ | Μ |  |  | Μ |  | Υ | Υ | Υ |  |  | Υ |
| IE411[[3]](#footnote-3) | Sending of statistics data | C\_STA\_SND | Y | Y |  |  |  |  | M |  | M | M | M | M |  |  | Y | Y | Y | Y | Y |
|  |  | Y | Y | Y | Y | M |  | M | M |  | M |  |  | Y | Y | Y |  | Y |
| ΙΕ578 | Inter-Domain Linking | C\_MRN\_LNK |  |  |  | Y |  |  | M |  | M |  |  | M |  |  | Y | Y |  |  | Y |
| ΙΕ594 | Status Request | C\_STD\_REQ |  |  |  | Y |  |  | M | M | M |  |  | M |  | Y | Y | Y |  |  | Y |
| ΙΕ595 | Status Response | C\_STD\_RSP |  |  |  | Y |  |  | M | M | M |  |  | M |  | Y | Y | Y |  |  | Y |
| IE903 | Warning Message | C\_MSG\_WRN |  |  | Y | Y | Y |  |  | M | M |  |  | M |  | Y |  | Y |  |  | Y |
| IE904 | Status Request | C\_STD\_REQ | Y | Y |  |  |  |  | M | M | M |  | M |  |  |  |  |  |  |  |  |
| IE905 | Status Response | C\_STD\_RSP | Y | Y |  |  |  |  | M | M | M |  | M |  |  |  |  |  |  |  |  |
| IE906 | Functional NACK | C\_FUN\_NCK | Y | Y |  |  |  |  | M | M | M |  | M |  |  | Y | Y | Y |  | Y |  |
|  |  | Y | Y | Y | Y | M | M | M |  |  | M |  | Y | Y | Y |  |  | Y |
| IE907 | EDIFACT NACK (CONTRL) | C\_EDI\_NCK | Y | Y |  |  |  |  | M | M | M |  | M |  |  | Y | Y | Y |  | Y |  |
| IE908 | CCN/CSI Confirm On Delivery (COD) Acknowledgement | C\_COD\_ACK | Y | Y | Y | Y | Y | Y | M | M | M |  |  |  | M |  |  |  |  |  |  |
| IE909 | CCN/CSI Confirm On Arrival (COA) Acknowledgement | C\_COA\_ACK | Y | Y | Y | Y | Y | Y | M | M | M |  |  |  | M |  |  |  |  |  |  |
| IE910 | CCN/CSI Expiration notification | C\_EXP\_NOT | Y | Y | Y | Y | Y | Y | M | M | M |  |  |  | M |  |  |  |  |  |  |
| IE911 | CCN/CSI Exception notification | C\_EXC\_NOT | Y | Y | Y | Y | Y | Y | M | M | M |  |  |  | M |  |  |  |  |  |  |
| IE917 | XML NACK | C\_XML\_NCK |  |  | Y | Y | Y | Y | M | M | M |  |  | M |  | Y | Y | Y |  |  | Y |
| IE971 | Full unavailability schedule | C\_UNA\_DAT | Y | Y | Y | Y | Y | Y |  | M |  | M |  | M |  | Y |  |  | Y |  | Y |
| IE974 | NCA Availability Request | C\_AVA\_REQ |  |  | Y | Y | Y |  |  | M | M |  |  | M |  | Y |  |  |  |  |  |
| IE975 | NCA Availability Response | C\_AVA\_RSP |  |  | Y | Y | Y |  | M |  | M |  |  | M |  |  | Y | Y |  |  | Y |

Table 2: Scope of Information Exchanges

1. The legend for the values is:

   M : Mandatory

   SR : Strongly Recommended

   R : Recommended

   O : Optional

   Y : Yes [↑](#footnote-ref-1)
2. Additional formats and transport mechanisms are available for CS/RD2, please refer to [R09]. [↑](#footnote-ref-2)
3. The IE411 for NCTS and ECS must be sent to CS/MIS2,

   - either via CCN/CSI or via manual upload.

   - either in EDIFACT format or in XML format.

   One EDIFACT message may include information of NCTS-P4 only, or ECS only, or both NCTS-P4+ECS.

   For XML message The CD411C may include data of NCTS-P4, or ECS-P2, or ICS-P1 or multiple domains. The CD411D may include data of NCTS-P5, or AES-P1 or both domains. [↑](#footnote-ref-3)