
Requirements Specification(SINS samples)

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Introduction

The purpose of this document is to define the requirements.

SIC-2033: QA: (ICD3.0) TrackingID should be optional for CSScheduleDataDump XSD

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CORE, BD
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Priority	low
Analyst	Alex Popescu
Impacted modules	CONSISTENCY
Identifier	16
Request status	ACCEPTED

Artifact Content

Description

=====

The TrackingID field in the CSScheduleDataDump XSD should be optional so that the TrackingID does not have to be provided if the code returned by the RCI does not indicate the success of the operation. In the XSD CSRequestComparison the field is already set as optional especially for this case. Change the TrackingID field in the CSScheduleDataDump XSD in accordance with the CSRequestComparison XSD. Action(s) to follow:

=====

Change XSD
Action(s) followed:
=====

-> XSD : Modified CSScheduleDataDump.xsd
--> TrackingID is set as optional.

Description

=====

The TrackingID field in the CSScheduleDataDump XSD should be optional so that no TrackingID must be provided in case the RCI return code does not indicate a success. In the CSRequestComparison the field is already set to optional just for this case. Amend the TrackingID in the CSScheduleDataDump XSD according to the CSRequestComparison XSD.

Action(s) to be taken
=====

Update XSD
Action(s) Taken
=====

-> XSD : CSScheduleDataDump.xsd amended
--> TrackingID is set to optional now.

SIC-2030 Delete B-SIS-A0593

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Impacted components	ISN, WPS, CORE, BD
Analyst	Andrei Popovici
Impacted modules	NOMENCLATURE, CONSISTENCY
Identifier	17
Request status	ACCEPTED

Artifact Content

Description:
=====

Business rule B-SIS-A0593 has been deleted from DTS.
Action(s) to follow:
=====

Delete business rule B-SIS-A0593 from ICD.
Action(s) followed:
=====

The document <SISII-ICD-View-Business_Rules.xls> has been modified:

Commented [1]: radu.ichim Thu, 23 Jun 2011 09:55:53 GMT: Considering that a consistency check module established with the authorities has been implemented at the SINS level, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.

--> The line containing rule B-SIS-A0593 was deleted.
The document <SISII-ICD_BusinessRulesMapping.xls> has been modified:
--> Rule B-SIS-A0593 was deleted from the "Data Consistency" sheet.

Description:

=====
The business rule B-SIS-A0593 has been removed from the DTS.

Action(s) To Be Taken:

=====
Remove the business rule B-SIS-A0593 from the ICD.

Action(s) Taken:

=====
The document <SISII-ICD-View-Business_Rules.xls> has been changed:
--> The line with the rule B-SIS-A0593 has been deleted.
The document <SISII-ICD_BusinessRulesMapping.xls> has been changed:
--> The rule B-SIS-A0593 has been deleted from the "Data Consistency" sheet.

SIC-2029 It is not allowed for a National System (NS) to refuse the restoration of entities at the ProcessComparison step during DCC

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Priority	tall
Impacted modules	XSD, NOTIFICATION,

Commented [2]: radu.ichim Thu, 23 Jun 2011 10:01:09 GMT: Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.

Commented [3]: andrei.popovici Tue, 09 Aug 2011 11:47:27 GMT: The fact that the rule is removed has as a consequence its non-application. Initially, its requirement was the obligation for a DD to return at least one record. Now this condition no longer exists, that is, a DD can also return 0 records.

	CONSISTENCY
Analyst	Alex Popescu
Identifier	18
Request status	ACCEPTED

Artifact Content

Description:

=====

It is not allowed for a National System (NS) to reject the restoration of entities at the ProcessComparison step during DCC.

Action(s) to follow:

=====

Removes the Report element from the <NSProcessComparisonResults> message.

Action(s) followed:

=====

Changed NSProcessComparisonResults.xsd XSD.

--> The <NSProcessComparisonResults.Report> element has been removed from the message.

The <Interface Control Document> (ICD) has been modified:

* Section 6.1.8.5.4.1 Abstract has been modified:

--> Logical Protocols: "Notification" was set to No

--> XSD: "Notification" has been set to NA

--> XSD: in "Report" NSProcessComparisonResults.xsd was deleted.

* Section 6.1.8.5.4.2 Sequence Diagram has been modified:

--> The Sequence Diagram has been modified.

Section 6.1.8.5.4.3 Description of XSDs has been modified:

--> The fragment related to NSProcessComparisonResults has been modified accordingly.

Section 5.2.12 USE CASES OF COMMUNICATION - PERFORMING THE CONSISTENCY CHECK ON THE NATIONAL COPY has been modified:

--> <Figure 46 - The normal sequence for the execution of the consistency check on the national copy> has been modified.

Description:

=====

It is not allowed for a NS to reject the restoration of entities in the ProcessComparison step during a DCC.

Action(s) To Be Taken:

=====

Remove the Report element in the <NSProcessComparisonResults> message.

Action(s) Taken:

=====

The NSProcessComparisonResults.xsd has been changed.

--> The element <NSProcessComparisonResults.Report> has been removed from the message.

The <Interface Control Document> has been changed:

* The section 6.1.8.5.4.1 Abstract has been amended:

--> Logical Protocols: "Notification" has been set to No

--> XSD: "Notification" has been set to NA

--> XSD: in "Report" NSProcessComparisonResults.xsd has been removed.

* The section 6.1.8.5.4.2 Sequence diagram has been amended:
--> The sequence diagram has been updated.
The section 6.1.8.5.4.3 XSD's description has been amended:
--> The passage about NSProcessComparisonResults has been changed accordingly.
The section 5.2.12 PERFORM NATIONAL COPY CONSISTENCY CHECK COMMUNICATION USE CASE has been amended:
--> <Figure 46 - Normal sequence for performing a national copy consistency check> has been exchanged.

SIC-2027 An error code must be created for alerts that cannot be flagged due to Article 38

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	WPS, CORE, BD
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Priority	Average
Impacted modules	NOMENCLATURES
Analyst	Alex Popescu
Identifier	19
Request status	ACCEPTED

Artifact Content

Description:

=====

Creates an error code to indicate that article 38 alerts do not support flag - see <Table 2: Compatibilities of Articles in reference to 'Reason for request ID' and 'Action to be taken ID'> in sisii-multiple_alerts.doc (DTS).

Action(s) to follow:

=====

Add a new error code for these restrictions.

Action(s) followed:

=====

The document <SISII-ICD_CodeTables.xls> has been modified.

* The "ST204_ERRORCODE" sheet has been modified.

--> The line <5607/ 01/Flag not allowed on this alert./20060101 / 0004.01/ 0001.01> has been added to the Flagging section.

The document <SISII-ICD_BusinessRulesMapping.xls> has been modified.

* The "Flagging" sheet has been modified.

Commented [4]: radu.ichim Thu, 23 Jun 2011 10:02:52 GMT: The XSD schemes implemented at SINS level represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.

--> Added error code 5607.01 under "Signal Creation".

Description:

=====

Create an error code to check that article 38 cannot be flagged - see <Table 2: Compatibilities of Articles in reference to 'Reason for request ID' and 'Action to be taken ID'> in sisii-multiple_alerts.doc (DTS).

Action(s) To Be Taken:

=====

Add a new error code for these restrictions.

Action(s) Taken:

=====

The document <SISII-ICD_CodeTables.xls> has been changed.

* The sheet "ST204_ERRORCODE" has been amended.

--> The line <5607/ 01/Flag not allowed on this alert./20060101 / 0004.01/ 0001.01> has been added under the Flagging section.

The document <SISII-ICD_BusinessRulesMapping.xls> has been changed:

* The "Flagging" sheet has been amended.

--> Added the error code 5607.01 under "CreateAlert".

SIC-2024 The addition of CorrelationID and MessageID fields in the JMS header is not clearly described

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Andrei Popovici
Impacted modules	DOCUMENTATION
Identifier	20

Commented [5]: radu.ichim Thu, 23 Jun 2011 10:03:46 GMT: Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.

Request status	ACCEPTED
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Artifact Content

Description:

=====

In the ICD document it is not clear whether the CorrelationID and MessageID fields should be completed as attributes of the JMS header ("JMSCorrelationID" and "JMSMessageID") or as additional properties like SchengenID.

Action(s) to follow:

=====

Add an explanation in the ICD document that describes the use of the CorrelationID and MessageID headers in the JMS header.

Action(s) followed:

=====

The ICD document has been modified:

* Section 5.2.4.1.2 JMS HEADER PROTOCOL TRANSPORT has been modified:

--> Added a sentence to the point • MessageID, which indicates that the MessageID must be added as an additional property to the JMS header - a property that will have the name "MessageID".

--> Added a sentence to the point • CorrelationID, which indicates that the CorrelationID must be added to the JMS header in the JMSCorrelationID field.

--> Added a sentence to point • SchengenID, which indicates that SchengenID must be added as an additional property to the JMS header - property that will have the name "SchengenID".

Description:

=====

In the ICD document it is not clear, if the CorrelationID and MessageID should be filled in as an attribute of JMS header ("JMSCorrelationID" and "JMSMessageID") or as an additional property, like the SchengenID.

Action(s) To Be Taken:

=====

Add an explanation in the ICD which describes the usage of the CorrelationID and the MessageID in the JMS header.

Action(s) Taken:

=====

The "Interface Control Document" has been changed:

* The section 5.2.4.1.2 JMS HEADER PROTOCOL TRANSPORT has been modified:

--> Added a sentence to the bullet • MessageID, which points out, that the MessageID must be added as an extra property to the JMS header with the property name "MessageID".

--> Added a sentence to the bullet • CorrelationID, which points out, that the CorrelationID must be added to the JMS header in the JMSCorrelationID field.

--> Added a sentence to the bullet • SchengenID, which points out, that the SchengenID must be added as an extra property to the JMS header with the property name "SchengenID".

Commented [6]: radu.ichim Thu, 23 Jun 2011 10:06:17 GMT: The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.

SIC-2023 The addition of CorrelationID and MessageID fields in the JMS header is not clearly described

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Impacted modules	DOCUMENTATION
Analyst	Andrei Popovici
Identifier	21
Request status	ACCEPTED

Artifact Content

Description:

=====

What is the smallest MessageID with which the Central System/National System (CS/NS) should start? It must be defined so that the Central System (CS) or the National System (NS) can detect from the beginning if there is a gap in the sequence of received messages (compare error code 0001.01 - Gap detected in the sequence of MessageID.)

Action(s) to follow:

=====

A sentence must be added to the ICD indicating the value from which the MessageID generation starts.

Action(s) followed:

=====

The ICD document has been modified:

* Section 5.5.2 MESSAGEID GENERATION has been modified:

--> The following element was added to the enumeration: "5. Each National System (NS) must start the sequence of MessageID with the value 1 (so the first MessageID must be 000000000000000001). The Central System (CS) also starts for each user the sequence of MessageID from 1."

Description:

What is the lowest MessageID the CS/NS should start with? It must be defined so that CS or NS can discover right from the start if there is a gap in the received messages sequence (compare error code 0001.01 - Gap detected in MessageID sequence.)

Action(s) To Be Taken:

A statement has to be added to the ICD, with which value the MessageID generation must start.
Action(s) Taken:

The <Interface Control Document> has been modified:
* The section 5.5.2 MESSAGEID GENERATION has been changed:
--> The following item has been added to the enumeration: "5. Every NS has to start the sequence of MessageIDs with the value 1 (so the first MessageID has to be 000000000000000001). The CS also starts for every User the MessageID sequence by 1."

SIC-2021 Recommendation not to format XMLs to save bandwidth

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Alex Popescu
Identifier	22

Commented [7]: radu.ichim Thu, 23 Jun 2011 10:07:51 GMT: Central. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.

Request status	ACCEPTED
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Artifact Content

Description:

=====

Considering that we transfer messages over long distances, a recommendation should be introduced in the ICD not to use formatted XMLs, because this fact has only an aesthetic value for the user, instead increasing the size of the messages by at least 5-10% (depending on the message, some even more) which leads to a higher bandwidth usage.

Action(s) to follow:

=====

Add a note in the ICD that the Central System (CS) does not use XML formatting and also make a recommendation that the National System (NS) do the same.

Action(s) followed:

=====

The ICD document has been modified:

* Section 5.6.1 XML has been modified:

--> A note indicating the use of unformatted XMLs sent by the Central System (CS) was added and also to make a recommendation that the National System (NS) do the same.

Description:

=====

Under the point of view that we transfer messages over a long distance a recommendation should be put in the ICD not to use pretty print printing for the XML, because this is only beautifying for the user and increases the size of messages at least 5-10 % (depending on the message even much more) which leads to higher bandwidth use.

Action(s) To Be Taken:

=====

Add a note in the ICD that the CS does not use pretty-printing in its XML messages and also make a recommendation to NS to do it the same way.

Action(s) Taken:

=====

The <Interface Control Document> has been changed:

* The section 5.6.1 XML has been modified:

--> A note about not using pretty-printing in XML messages sent by the CS has been added and also a recommendation to NS also not to use pretty-printing.

SIC-2019 ConsultDataAccessLog still exists in "SISII-ICD MandatoryOptionalServices" and "SISII-ICD UC_Mapping.xls"

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	It will be decided together with CNSIS if the

Commented [8]: radu.ichim Thu, 23 Jun 2011 10:09:19 GMT: The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.

	ConsultDataAccessLog functionality will be removed from SINS.
Impacted components	CENTRAL SERVICES
Priority	low
Analyst	Alex Popescu
Impacted modules	REPORTS, DOCUMENTATION
Identifier	2. 3
Request status	ACCEPTED

Artifact Content

Description:

=====

The ConsultDataAccessLog operation still exists in "SISII-ICD MandatoryOptionalServices" and "SISII-ICD UC_Mapping.xls".

Action(s) to follow:

=====

The ConsultDataAccessLog operation must be deleted.

Action(s) followed:

=====

The "SISII-ICD MandatoryOptionalServices" document has been modified:

--> The ConsultDataAccessLog operation was deleted from the "Overview" sheet.

Description:

=====

The operation ConsultDataAccessLog is still existing in "SISII-ICD MandatoryOptionalServices" and "SISII-ICD UC_Mapping.xls".

Action(s) To Be Taken:

=====

The operation ConsultDataAccessLog has to be removed.

Action(s) Taken:

=====

The document "SISII-ICD MandatoryOptionalServices" has been changed:

--> The ConsultDataAccessLog operation has been removed from the "Overview" sheet.

The document "SISII-ICD UC_Mapping" has been changed:

--> The operation ConsultDataAccessLog has been removed from the sheet "ContractsVsUC Matric".

SIC-2018 Defines an error code for exceeding the limit for collections with a defined number of elements

Attributes

Attribute	Value
Artifact Type	Software Requirements

Commented [9]: radu.ichim Thu, 23 Jun 2011 10:11:34 GMT: It will be decided together with CNSIS if the ConsultDataAccessLog functionality will be removed from SINS.

Priority	Average
Impacted modules	CODE TABLES, DOCUMENTATION
Analyst	Alex Popescu
Identifier	24
Request status	ACCEPTED

Artifact Content

Description:

=====

If the number of elements in a collection exceeds the limit defined in the data dictionary, then the Central System (CS) will throw an error. The same is necessary for other limited elements, such as the number of binaries in an object.

Action(s) to follow:

=====

A corresponding error code must be defined in the ICD.

Action(s) followed:

=====

The SISII-ICD_CodeTables.xls document has been modified:

* The "ST204_ERRORCODE" sheet has been modified:

--> Registration <5221 / 01 / The number of specific elements in the alert exceeded the defined limit. / 20060101 / 0004.01 / 0001.01.> was added to the "Alert Maintenance" section.

The SISII-ICD_BusinessRulesMapping.xls document has been modified:

* The "AlertMaintenance" sheet has been modified:

--> Added record 5221.01 in the "CreateAlert" section.

--> Added record 5221.01 in the "UpdateAlert" section.

--> Added record 5221.01 in the "ExtendAlert" section.

Description:

=====

If the number of elements in a collection exceeds the limit which is defined in the data dictionary, then the CS has to throw an error. The same is necessary for other limited elements like the number of binaries in an object.

Action(s) To Be Taken:

=====

In the ICD there has to be defined an appropriate error code.

Action(s) Taken:

=====

The SISII-ICD_CodeTables.xls has been changed:

* The sheet "ST204_ERRORCODE" has been modified:

--> The entry <5221 / 01 / The number of a specific element in an alert has exceeded the defined limit. / 20060101 / 0004.01 / 0001.01.> has been added in the "Alert Maintenance" section.

The SISII-ICD_BusinessRulesMapping.xls has been changed:

* The "AlertMaintenance" sheet has been modified:

--> Added the entry 5221.01 to the "CreateAlert" section.
--> Added the entry 5221.01 to the "UpdateAlert" section.
--> Added the entry 5221.01 to the "ExtendAlert" section.

SIC-2017 QA: (ICD2.8) Max Loop in Figure 47

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Impacted modules	DOCUMENTATION
Analyst	Andrei Popovici
Identifier	25
Request status	ACCEPTED

Artifact Content

Description:

=====

The description in "Figure 47 Sequence for easy execution of a consistency check on the National Copy" could be interpreted that there are still cycles in Data Consistency (DC) because the image uses the words "loop Check_Restore" and "[Max Loop,...". I would recommend reformulating/deleting these misleading descriptions. Or are there any other cycles included in Data Consistency (DC)?

Action(s) to follow:

=====

- modify figure 47 to remove the notion of cycle.

Action(s) followed:

=====

Commented [10]: radu.ichim Thu, 23 Jun 2011 10:15:00 GMT: Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.

1. ICD

---> modified figure 47 to be on the same line with the new concept of Data Consistency (DC).

Description

=====

The description in "Figure 47 Sequence for performing a national copy consistency check light" could be interpreted that there are still loops in the DC as the figure uses the words "loop Check_Restore" and "[Max Loop,...". I would recommend to rephrase/remove those misleading descriptions. Or are there still loops somehow included for the light dc?

Action(s) to be taken

=====

- update figure 47 to remove the loop notion.

Action(s) taken

=====

1. ICD

---> amended figure 47 to be inline with the newest DC concept.

SIC-2014 QA (ICD 2.8) ICD incorrectly states that certain messages provide "a list of URLs" for a report

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	Additional details regarding the splitting of reports posted on FTP and report URLs.
Impacted modules	AUDIT REPORTS/REPORTS, DOCUMENTATION
Analyst	Alex Popescu
Identifier	26
Request status	ACCEPTED

Artifact Content

Description:

=====

6.1.8.6.2

"The NSPerformSnapshot message can be split as defined in section 5.2.11 and thus provide a list of URLs for a given ReportID."

6.1.8.5.2

"The CSExecuteExtendedQueryReport message can be split as defined in section 5.2.10 and thus provide a list of URLs for a given ReportID."

6.1.8.6.3

Commented [11]: radu.ichim Thu, 23 Jun 2011 11:49:06 GMT: The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.

"The NSPerformExtraction message can be split as defined in section 5.2.11 and thus provide a list of URLs for a given ReportID."

6.1.8.9.1

"The CSConsultMessageLogReport message can be split as defined in section 5.2.10 and thus provide a list of URLs for a given ReportID."

None of these messages provide URLs.

Action(s) to follow:

=====

- modify the ICD to make it clear that only CSNotifications will contain a list of URLs and not the messages mentioned above

Action(s) followed:

=====

1. ICD

---> added note in chapter 6.1.8.4.2.3

"Note: Sharing the report

If a report (eg: NSPerformSnapshotReport) has been shared as defined in section 5.2.11, the NSNotification message will provide a list of URLs for a particular report."

---> modified chapter 6.1.8.6.2, modified "note: Distribution of the report" as follows:

"The NSPerformSnapshot message may be shared as defined in section 5.2.11."

---> modified chapter 6.1.8.5.2, modified "note: Distribution of the report" as follows:

"The CSExecuteExtendedQueryReport message may be shared as defined in section 5.2.10."

---> modified chapter 6.1.8.6.3, modified "note: Distribution of the report" as follows:

"The NSPerformExtraction message may be shared as defined in section 5.2.11."

---> modified chapter 6.1.8.9.1, modified "note: Distribution of the report" as follows:

"The CSConsultMessageLogReport message can be shared as defined in section 5.2.10."

Description

=====

6.1.8.6.2

"The NSPerformSnapshot message might be split up as defined at section 5.2.11 and thus provides a list of URLs for a particular ReportID."

6.1.8.5.2

"The CSExecuteExtendedQueryReport message might be split up as defined at section 5.2.10 and thus provides a list of URLs for a particular ReportID."

6.1.8.6.3

"The NSPerformExtraction message might be split up as defined at section 5.2.11 and thus provides a list of URLs for a particular ReportID."

6.1.8.9.1

"The CSConsultMessageLogReport message might be split up as defined at section 5.2.10 and thus provides a list of URLs for a particular ReportID."

None of these messages provide any URLs.

Action(s) to be taken

=====

- amend ICD to make it clear that only CSNotifications will contain a list of URLs and not the above mentioned messages

Action(s) taken

=====

1. ICD

---> added note in chapter 6.1.8.4.2.3

"Notes: Splitting of report

In the case a report (eg: NSPerformSnapshotReport) has been split up as defined at section 5.2.11, the NSNotification will provide a list of URLs for a particular report."

---> amended chapter 6.1.8.6.2, updated "note: Splitting of report" to :

"The NSPerformSnapshot message might be split up as defined at section 5.2.11."

---> amended chapter 6.1.8.5.2, updated "note: Splitting of report" to :

"The CSExecuteExtendedQueryReport message might be split up as defined at section 5.2.10."

---> amended chapter 6.1.8.6.3, updated "note: Splitting of report" to :

"The NSPerformExtraction message might be split up as defined at section 5.2.11."

---> amended chapter 6.1.8.9.1, updated "note: Splitting of report" to :

"The CSConsultMessageLogReport message might be split up as defined at section 5.2.10."

Commented [12]: radu.ichim Thu, 23 Jun 2011 11:50:03 GMT: Additional details regarding the splitting of reports posted on FTP and at report URLs.

SIC-2013 Some descriptions in the ICD are unclear or incorrect in section 4.3. LOGICAL SESSION

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Impacted modules	DOCUMENTATION
Analyst	Andrei Popovici
Identifier	27
Request status	ACCEPTED

Artifact Content

Description:

=====

In the passage "LogicalSessionID: defines a unique identifier for the session. Being a Session ID, it is used in all messages involved in the broadcast operation." the second sentence is invalid, because the LogicalSessionID is also used in other messages, not only in broadcast operations.

The passage "The purpose of a logical session is limited to the execution of a single operation" is incorrect in the limited sense in which the expression "operation" is understood.

The passage containing the UBN is still unclear "In addition, the so-called Update Broadcast Number (UBN) exists and is used to uniquely identify broadcasts and is generated by the Central System (CS). In CSBroadcast messages..."

Action(s) to follow:

=====

The sentences above must be modified.

Action(s) followed:

=====

The ICD document has been modified:

* Section 4.3. LOGICAL SESSION has been modified.

--> Sentence "Being a Session ID, it is used in all messages involved in the broadcast operation." it was deleted.

--> The clause "The purpose of a logical session is limited to the execution of a single operation ...:" was changed to "The purpose of the logical session varies, it can be considered ...".

--> The passage "In addition, the so-called Update Broadcast Number (UBN) exists and is used to uniquely identify broadcasts and is generated by the Central System (CS). In CSBroadcast messages ..." was changed to:

"In addition, the so-called Update Broadcast Number (UBN) exists and is used to uniquely identify broadcasts and is generated by the Central System (CS). In the CSBroadcast LogicalSessionID messages it is also used as the Update Broadcast Number (UBN). Because the Central System (CS) guaranteed that the UBN is sequential, National Systems can use the value of the ambiguous field (LSID/UBN) to determine the logical order of the changes transmitted by the Central System."

Description:

=====

In the text passage "LogicalSessionID: defines a unique identifier for the session. Being a Session ID, it is used in all the messages implied in the broadcast operation." the second sentence is not valid, because the LogicalSessionID is also used in other messages not only in broadcast operations.

The text passage "The scope of a logical session is limited to the execution of one operation" is not correct in the narrower sense regarding the expression "operation".

The text passage with the UBN is still a little bit fuzzy "In addition, the so-called Update Broadcast Number (UBN) exists, which is used to uniquely identify the broadcasts and which is generated by the CS. In CSBroadcast messages ..."

Action(s) To Be Taken:

=====

The above sentences have to be modified.

Action(s) Taken:

=====

The <Interface Control Document> has been changed:

* The section 4.3. LOGICAL SESSION has been modified.

--> The sentence "Being a Session ID, it is used in all the messages implied in the broadcast operation." has been deleted.

--> The clause "The scope of a logical session is limited to the execution of one operation" has been changed to "The scope of a logical session varies, it may be considered ...".

--> The text passage "In addition, the so-called Update Broadcast Number (UBN) exists, which is used to uniquely identify the broadcasts and which is generated by the CS. In CSBroadcast messages ..." has been changed to:

"In addition, the so-called Update Broadcast Number (UBN) exists, which is used to uniquely identify the broadcasts and which is generated by the CS. In CSBroadcast messages, LogicalSessionID doubles as Update Broadcast Number (UBN). Because CS guaranteed that the UBN is sequential, National Systems can use the value of this double-meaning field (LSID/UBN) to determine the logical order of changes being broadcast by the Central System."

SIC-2012 FlagRestoreType is no longer used

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, WPS
Analyst	Alex Popescu
Identifier	28
Request status	ACCEPTED

Artifact Content

Description:

Commented [13]: radu.ichim Thu, 23 Jun 2011 11:50:53 GMT: The Communication Protocol between SINS and the Authorities is an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.

=====
FlagRestoreType defined in AlertDataTypes is not used by either NS or CS messages.
Action(s) to follow:

=====
FlagRestoreType must be deleted.
Action(s) followed:

=====
The AlertDataTypes.xsd file has been modified:
--> Complex type FlagRestoreType has been deleted.

Description:
=====
FlagRestoreType defined in AlertDataTypes is not used in any of the NS or CS messages.

Action(s) To Be Taken:
=====
The FlagRestoreType has to be removed.
Action(s) Taken:

=====
The AlertDataTypes.xsd has been changed:
--> The complex type FlagRestoreType has been removed.

SIC-2011 ICD 2.8 refers to a wrong version of DTS

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Alex Popescu
Identifier	29

Commented [14]: radu.ichim Thu, 23 Jun 2011 11:51:52 GMT: The XSD schemes implemented at SINS level represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.

Request status	ACCEPTED
----------------	----------

Artifact Content

Description:

=====

Section "2. Requirements" states:

"This ICD complies with version 2.7 of the DTS and with the requirements described by it."

The version number of DTS is incorrect.

Action(s) to follow:

=====

The reference must be changed so that the ICD refers to the correct version of the DTS.

Action(s) followed:

=====

The ICD document has been modified:

* Section 2. REQUIREMENTS has been modified.

--> version 3.0 of ICD refers to version 3.0 of DTS.

Description:

=====

Section "2. Requirements" states:

"This ICD is compliant with the DTS version 2.7 and the requirements stated therein."

The version number of the DTS is not correct.

Action(s) To Be Taken:

=====

The reference has to be changed, so that the ICD refers to the correct DTS version.

Action(s) Taken:

=====

The <Interface Control Document> has been changed:

* The section 2. REQUIREMENTS has been modified.

--> ICD version 3.0 refers to DTS 3.0.

SIC-2010 QA2.8 Delete the Binary element from EDAs (Alerts) from NSPerformExtraction

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CORE, BD
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept

Commented [15]: radu.ichim Thu, 23 Jun 2011 11:52:48 GMT: The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISI comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.

	will be discussed with the CNSIS. At the moment it is considered accepted.
Priority	low
Impacted modules	CONSISTENCY,
Analyst	Alex Popescu
Identifier	30
Request status	ACCEPTED

Artifact Content

Description:

=====

The EDA tag (Alerts) in NSPerformExtraction contains binary metadata and the hash of the respective binary, which is correct. But they also contain an optional "Binary" element. This element should be deleted since it is forbidden to send the alert with binary data with everything.

For example, Pictures in Object and Person Alerts and also Fingerprints and European Arrest Warrants (EAW) for Person alerts.

Action(s) to follow:

=====

- delete the 'Binary' tag from the EDA element in the XSD

Action(s) followed:

=====

1. Changed XSD AlertDataTypes.xsd

---> deleted 'Binary' tag from 'ObjectPicDesCompExtractionIndexType'

---> deleted 'Binary' tag from 'PersonPicDesCompBaseExtractionIndexType'

---> deleted 'Binary' tag from 'FingerprintsPicDesCompBaseExtractionIndexType'

---> deleted 'Binary' tag from 'EAWPicDesCompBaseExtractionIndexType'

Description

=====

The EDAs (Alerts) of NSPerformExtraction contain binary metadata and the hash of the binary, which is correct. But they also contain an optional "Binary" element. This element should be removed since it is not allowed to send the alert with the binary data inside it.

This is the case for Pictures in Object and Person alerts, and also Fingerprints and EAWs for Person alerts.

Action(s) to be taken

=====

- remove the 'Binary' tag from the EDAs type in XSD

Action(s) taken

=====

1. XSD amended AlertDataTypes.xsd

---> removed 'Binary' tag from 'ObjectPicDesCompExtractionIndexType'

---> removed 'Binary' tag from 'PersonPicDesCompBaseExtractionIndexType'

---> removed 'Binary' tag from 'FingerprintsPicDesCompBaseExtractionIndexType'

---> removed 'Binary' tag from 'EAWPicDesCompBaseExtractionIndexType'

SIC-2009 QA2.8 Delete CSURN from EDB element (Binaries) in NSPerformExtraction

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Impacted components	ISN, CORE, BD
Priority	low
Analyst	Alex Popescu
Impacted modules	CONSISTENCY
Identifier	31
Request status	ACCEPTED

Commented [16]: radu.ichim Thu, 23 Jun 2011 11:53:38 GMT: Considering that a consistency check module established with the authorities has been implemented at the SINS level, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.

Artifact Content

Description:

=====

The CSURN tag is present in the EDB element of NSPerformExtraction, but it is not present in the Binary element of CSApplyRestorationReport.

We believe that CSApplyRestorationReport is correct because the CSURN element in the Binary is the same as the CSURN of the alert containing the binary, so there is no reason to send it.

Therefore the CSURN element in the EDB tag of NSPerformExtraction must be deleted.

Action(s) to follow:

=====

-delete CSURN from XSD

Action(s) followed:

=====

1. XSD AlertDataTypes.xsd

--> ExtractionDataBinaryType: Deleted CSURN tag

Description

=====

The CSURN is present in EDB elements of the NSPerformExtraction, but not present in the Binary element of CSApplyRestorationReport.

We think the CSApplyRestorationReport is correct because the CSURN of the Binary is the same as the CSURN of the alert containing the binary, so there is no need to send it.
So the CSURN in EDB element of NSPerformExtraction should be removed.

Action(s) to be taken

=====

-remove cturn from the xsd

Action(s) taken

=====

1. XSD AlertDataTypes.xsd

--> ExtractionDataBinaryType: Removed CSURN tag

SIC-2007 What should the Central System (CS) do when a binary element exceeds the established limit?

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Analyst	Alex Popescu
Impacted modules	CODE TABLES
Identifier	32
Request status	ACCEPTED

Artifact Content

Description:

=====

Section '5.6. DATA EXCHANGE FORMATS' defines the maximum size of binaries:
"The maximum size for a photo is set to 1 MB. (...) The maximum size for a fingerprint is set to 3 MB.
(...)"

However, it is not specified what the Central System (CS) should do when the binary in a message exceeds the established limit.

Action(s) to follow:

=====

An error code must be created for this case, which will then be used if the binary is too large.

Action(s) followed:

=====

Commented [17]: radu.ichim Thu, 23 Jun 2011 11:54:32 GMT: Considering that a consistency check module established with the authorities has been implemented at the SINS level, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.

The document <SISII-ICD_CodeTables.xls> has been modified:

* The ST204_ERRORCODE sheet has been modified:

--> record "5220.01 The size of the binary exceeds the allowed limit." has been added to the Alert Maintenance category.

The document <SISII-ICD_BusinessRulesMapping.xls> has been modified:

* The "AlertMaintenance" sheet has been modified:

--> Error code 5220.01 has been added to the "CreateAlert" operation.

--> Error code 5220.01 has been added to the "ExtendAlert" operation.

The document <Interface Control Document> has been modified:

* Section 5.6.3 BINARY DATA has been modified.

--> Added the following sentence:

"If the size of a received binary exceeds the limit defined in a message (NSCreateAlert or NSExtendAlert), the Central System (CS) refuses to process this message and throws an error code (5220 - The size of the binary exceeds the allowed limit)."

Description:

=====

Section '5.6. DATA EXCHANGE FORMATS' defines maximum size for binaries:

"The maximum size for one picture is set to 1 MB. (...) The maximum size for a fingerprint binary is set to 3 MB. (...)"

It is not specified, however, what CS should do when the binary in an incoming message exceeds the defined size.

Action(s) To Be Taken:

=====

An error code has to be created for this case, which then will be used, if a binary is too big.

Action(s) Taken:

=====

The document <SISII-ICD_CodeTables.xls> has been changed:

* The sheet ST204_ERRORCODE has been modified:

--> The entry "5220.01 The binary size exceeds the specified limit." has been added to the Alert Maintenance category.

The document <SISII-ICD_BusinessRulesMapping.xls> has been changed:

* The "AlertMaintenance" sheet has been modified:

--> The error code 5220.01 has been added to the "CreateAlert" operation.

--> The error code 5220.01 has been added to the "ExtendAlert" operation.

The document <Interface Control Document> has been changed:

* The section 5.6.3 BINARY DATA has been amended.

--> Added the following sentence:

"If the size of a received binary exceeds the defined limit in a message (NSCreateAlert or NSExtendAlert), the CS denies the processing of this message and throws an error code (5220 - The binary size exceeds the specified limit)."

SIC-2005 DCC in Binary requested by a user with the national copy but without binary

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Business rule already taken

Commented [18]: radu.ichim Thu, 23 Jun 2011 11:57:35 GMT: Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.

	into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Priority	Average
Impacted modules	CODE TABLES
Analyst	Alex Popescu
Identifier	33
Request status	ACCEPTED

Artifact Content

Description:

=====

What should we do if a user with a National Copy but without binary requests a DCC on Binary?

Action(s) to follow:

=====

In this case the Central System (CS) must throw an error. A new error code must be created for this.

Action(s) followed:

=====

The "SISII-ICD_CodeTables.xls" document has been modified:

* The "ST204_ERRORCODE" sheet has been modified:

--> The value "6217.01 DCC from binary impossible without binary from NC. 20060102 0004.01 0002.01" was added for Data Consistency.

The SISII-ICD_BusinessRulesMapping.xls document has been modified:

* The "Data Consistency" sheet has been modified:

--> Added 6217.01 for RequestComparison and ScheduleDataDump operation.

Description:

=====

What should we do if a user with a National Copy but without binaries requests a DCC on Binaries?

Action(s) to Be Taken:

=====

In that case the CS has to throw an error. A new error code has been generated for that.

Action(s) Taken:

=====

The document "SISII-ICD_CodeTables.xls" has been changed:

* The sheet "ST204_ERRORCODE" has been modified:

--> The value "6217.01 DCC on binaries not possible without binaries in NC. 20060102 0004.01 0002.01" has been added for Data Consistency.

The document SISII-ICD_BusinessRulesMapping.xls has been changed:

* The "Data Consistency" sheet has been modified:

--> Added the 6217.01 to the operation RequestComparison and ScheduleDataDump.

Commented [19]: radu.ichim Thu, 23 Jun 2011 12:17:32 GMT: Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.

SIC-2003 QA (ICD 2.8) What is the purpose of LastSentUBN in CSPerformSnapshot?

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CORE, BD
Priority	low
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Impacted modules	CONSISTENCY
Analyst	Alex Popescu
Identifier	34
Request status	ACCEPTED

Artifact Content

Description:

=====

What is the purpose of the LastSentUBN field in CSPerformSnapshot? Should National Systems use it in any way during the Data Consistency (DC) process? Not specified.

The comment provided in the ICD is unclear: "LastSentUBN shows the last UBN sent to the National System during the preparation of this Snapshot."

Which snapshot are we talking about here? The Central System (CS) does not send any reports in the PerformSnapshot operation. If this report is created by the National System (NS) that we are talking about here, then they have no way of knowing with certainty which is the last UBN sent *by the Central System (CS) to them*.

Action(s) to follow:

=====

- modify ICD to clarify LastSentUBN

Action(s) followed:

=====

1. ICD

---> modified chapter 6.1.8.5.2.3 changed the description of LastSentUBN as follows:

"o LastSentUBN represents the UBN sent in the last Broadcast to the National System during the preparation of this CSPerformSnapshotRequest. This will be used by the Central System (CS) to create the central snapshot, which will be compared with the NSPerformSnapshotReport provided by the National System. represents the version where the National Copy will be compared during this

campaign.."

Description

What is the purpose of LastSentUBN in CSPerformSnapshot? Are National Systems supposed to use it in any way during the DC process? It's not specified.

The comment provided in ICD is unclear: "LastSentUBN presents the last sent UBN to the National System during the preparation of this Snapshot."

What snapshot is meant here? CS does not send any reports in PerformSnapshot operation. If this is a report created by NS which is meant here, then they cannot reliably know what is the latest UBN sent *by CS to them*.

Action(s) to be taken

- ICD amendment to clarify the last sent UBN

Action(s) taken

1. ICD

---> amended chapter 6.1.8.5.2.3 changed lastSentUBN description to

"o LastSentUBN presents the UBN sent in the last Broadcast to the National System during the preparation of this CSPerformSnapshotRequest. It will be used by the CS to create the central snapshot, that will be compared against the NSPerformSnapshotReport provided by the National System. It represents the version where the National Copy will be compared against during this campaign.."

SIC-2002 QA (ICD 2.8) AutoRepair/DCCLight Flags in CSPerformSnapshot

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Impacted components	ISN, CORE, DB
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Analyst	Alex Popescu
Impacted modules	CONSISTENCY
Identifier	35
Request status	ACCEPTED

Commented [20]: radu.ichim Thu, 23 Jun 2011 12:19:16 GMT: Considering that a consistency check module established with the authorities has been implemented at the SINS level, disregarding the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.

Artifact Content

Description:

=====

The following observations should be specified for both the AutoRepair and DCCLight flags:

1) For campaigns starting from the National System (NS), either:

- a) CAN the Central System (CS) CHANGE the values of the flags? (eg the National System (NS) wants AutoRepair@False, the Central System (CS) sends back AutoRepair@True in CSPerformSnapshot and discrepancies will be repaired automatically), or
- b) The Central System (CS) CANNOT CHANGE the values of the flags, they are only copies of the flags previously set by the National System (NS) in NSRequestComparison (in this case, why do we send them back?)

2) For campaigns starting from the Central System (CS):

- a) can the Central System (CS) set the AutoRepair/DCCLight flags to any value?

Action(s) to follow:

=====

- modify the ICD in such a way that it is clear that the options chosen by the National System (NS) will not be changed by the Central System (CS)
- modify the ICD so that the Central System (CS) can choose its options when initiating a new DCC campaign

Action(s) followed:

=====

1. ICD

---> modified chapter 6.1.8.5.1.3 added note:

"Note for Data Consistency Check options:

The options (DCCLight or AutoRepair) chosen by the National System (NS) cannot be modified by the Central System (CS) during the execution of a campaign."

---> modified chapter 6.1.8.5.2.3 added sentence to "Note: DCC initiated by the Central System"

Description

=====

Following points should be specified for both AutoRepair and DCCLight flags:

1) For NS-originating campaigns, whether:

- a) CS CAN CHANGE values of the flags? (eg NS wants AutoRepair@False, CS sends back AutoRepair@True in CSPerformSnapshot and discrepancies will be restored automatically), or
- b) CS CANNOT CHANGE the flags' values, they're just copies of the flags NS had set previously in NSRequestComparison (in which case why do we send them back?)

2) For CS-originating campaigns:

- a) can CS set AutoRepair/DCCLight flags to any value?

Action(s) to be taken

=====

- amend the ICD so it is clear that the options chosen by the NS will not be changed by the CS
- amend the ICD so it is clear that the CS can choose its options while initiating a new DCC campaign

Action(s) taken

=====

1. ICD

---> amended chapter 6.1.8.5.1.3 added note :

"Note on Data Consistency Check options:

The options (DCCLight or AutoRepair) a NS has chosen cannot be changed by the CS during the execution of the campaign."

--> amended chapter 6.1.8.5.2.3 added sentence to "Note : DCC initiated by the Central System"

"The Central System can set the options (DCCLight or AutoRepair) of the Data Consistency Check campaign to any value, depending on the reason why the campaign has been initiated. "

SIC-1994 Change the explanation of error code 6011

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Impacted modules	CODE TABLE
Analyst	Alex Popescu
Identifier	36
Request status	ACCEPTED

Commented [21]: radu.ichim Thu, 23 Jun 2011 12:20:05 GMT: Considering that a consistency check module established with the authorities was implemented at the SINS level, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.

Artifact Content

Description:

=====

In the ST204_ErrorCode table, the explanation of error code 6011 says "Partial Search returns too many results".

This explanation is misleading and incorrect. This error code is not specific to partial search but can be thrown by any type of search.

Action(s) to follow:

=====

For this reason, we would like to suggest that the explanation be changed to "The search returns too many results".

Action(s) followed:

=====

The SISII-ICD_CodeTables.xls document has been modified:

* The ST204_ERRORCODE sheet has been modified.

--> The explanation for 6011.01 has been changed to "Search returns too many results."

Description:

=====

In table ST204_ErrorCode, the label for error code 6011 states "Partial Query returns too many results".

This label is misleading and in fact incorrect. This error code is not specific to partial queries but can be triggered for any type of search.

Action(s) To Be Taken:

=====

We would therefore like to suggest that the label be changed to "Search returns too many results.".

Action(s) Taken:

=====

The document SISII-ICD_CodeTables.xls has been changed:

* The sheet ST204_ERRORCODE has been modified.

--> The label of 6011.01 has been changed to "Search returns too many results."

The document <ST204_ERRORCODE_v1.xml> has been changed accordingly.

SIC-1993 The NSBroadcast message does not arrive or arrives too late

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Alex Popescu
Identifier	37
Request status	ACCEPTED

Artifact Content

Description:

=====

What happens if an NSBroadcast message does not arrive or arrives too late, e.g. comes after the time-out

Commented [22]: radu.ichim Thu, 23 Jun 2011 12:20:49 GMT: Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.

for a Broadcast response (40 minutes).

Action(s) to follow:

=====

The document <Interface Control Document> must provide an answer to the subject mentioned in the description.

Action(s) followed:

=====

The document <Interface Control Document> has been modified:

* Section 6.1.6.3 TIME-OUTS has been modified:

--> Added a clarification about the different reactions of the Central System (CS), when during a DCC or Broadcast the National System (NS) does not return the expected response in a timely manner.

--> Added the fact that the Central System (CS) starts a DCC campaign, if an NSBroadcast is not sent within the allotted time (= 40 minutes).

--> Added a sentence that explains the situation when an NSBroadcast arrives after the time-out.

Description:

=====

What happens if a NSBroadcast message does not arrive or arrives too late, ie arrives after the time-out for a Broadcast response (40 minutes).

Action(s) To Be Taken:

=====

The <Interface Control Document> has to give an answer to the topic mentioned in the description.

Action(s) Taken:

=====

The <Interface Control Document> has been changed:

* The section 6.1.6.3 TIME-OUTS has been changed:

--> Added a clarification about the different reactions from the CS, when during DCC or Broadcast the NS does not give an expected response in-time.

--> Added the fact that the CS starts a DCC campaign, if a NSBroadcast is not sent within the waiting time (= 40 minutes).

--> Added a sentence about the situation, when a NSBroadcast arrives after the time-out.

SIC-1992 Delete SchengenId from Binaries in CSApplyRestorationReport

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	high
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System

Commented [23]: radu.ichim Thu, 23 Jun 2011 12:21:32 GMT: The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.

	implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Analyst	Alex Popescu
Identifier	38
Request status	ACCEPTED

Artifact Content

Description:

=====

The SchengenID element from Binary in CSApplyRestorationReport should be deleted because it is not necessary, and its presence would require additional combinations that will impact DC performance. It is not necessary because the MS can find out which Binary belongs to which alert thanks to the BinaryID element present in the alert.

Action(s) to follow:

=====

- modify CSApplyRestorationReport.xsd

Action(s) followed:

=====

1. XSD AlertDataTypes.xsd

-- deleted SchengenID from AlertDataTypes.BinaryRestoreType

Description

=====

The SchengenID in the Binary element in CSApplyRestorationReport should be removed because it is not needed, and its presence would require additional joins that will impact DC performance.

It is not required because the MS can find which Binary belongs to which alert thanks to the BinaryID present inside the alert.

Action(s) to be taken

=====

- update CSApplyRestorationReport.xsd

Action(s) taken

=====

1. XSD AlertDataTypes.xsd

-- removed SchengenID from AlertDataTypes.BinaryRestoreType

Commented [24]: radu.ichim Thu, 23 Jun 2011 12:22:17 GMT: The XSD schemes implemented at SINS level represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.

SIC-1990 B-SIS-R0855 has been reformulated. The ICD must be modified

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Analyst	Alex Popescu
Impacted modules	CODE TABLE
Identifier	39
Request status	ACCEPTED

Artifact Content

Description:

=====

Rule B-SIS-R0855 has been reformulated. The ICD must be modified.

Action(s) to follow:

=====

The documents <SISII-ICD_BusinessRulesMapping> and <SISII-ICD-View-Business_Rules> must be modified.

Action(s) followed:

=====

The <SISII-ICD_BusinessRulesMapping> document has been modified:

--> in the <DataSpecificRules> sheet, the line with rule B-SIS-R0855 was deleted.

--> in the <AlertMaintenance> sheet, the line with rule B-SIS-R0855 was deleted.

The <SISII-ICD-View-Business_Rules> document has been modified:

--> The line with rule B-SIS-R0855 has been deleted.

Description:

=====

The rule B-SIS-R0855 has been rephrased. ICD has to be amended.

Action(s) To Be Taken:

=====

The documents <SISII-ICD_BusinessRulesMapping> and <SISII-ICD-View-Business_Rules> have to be amended.

Action(s) Taken:

=====

The document <SISII-ICD_BusinessRulesMapping> has been changed:
--> In the sheet <DataSpecificRules> the line with rule B-SIS-R0855 has been deleted.
--> In the sheet <AlertMaintenance> the line with rule B-SIS-R0855 has been deleted.
The document <SISII-ICD-View-Business_Rules> has been changed:
--> The line with the rule B-SIS-R0855 has been deleted.

SIC-1989 Add some examples to section <6.1.8.4.1.5 How NS handles CSBroadcast messages?>

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Alex Popescu
Identifier	40
Request status	ACCEPTED

Artifact Content

Description:

=====

For a better understanding, some examples about the reuse of the SchengenID element in section <6.1.8.4.1.5 How does the National System (NS) treat CSBroadcast messages?> would be useful.

Action(s) to follow:

=====

Add some examples with broadcast processing with a reused SchengenID.

Action(s) followed:

=====

Commented [25]: radu.ichim Thu, 23 Jun 2011 12:24:43 GMT: Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.

The ICD document has been modified:

* Section 6.1.8.4.1.5.1 Alert Broadcast has been modified:

--> Some examples related to the processing of broadcasts with the reuse of the SchengenID have been added.

Description:

For better understanding some examples about reuse of the SchengenID in section <6.1.8.4.1.5 How NS handles CSBroadcast messages?> would be helpful.

Action(s) To Be Taken:

Add some examples for processing broadcasts with a reused SchengenID.

Action(s) Taken:

The Interface Control Document has been changed:

* The section 6.1.8.4.1.5.1 Alert Broadcast has been updated:

--> Some examples about processing broadcasts with a reused SchengenID have been added.

SIC-1988 CSURN and URN lengths will be deleted from the ICD in 4.4. UPDATE REQUEST NUMBER (URN)

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Alex Popescu
Identifier	41
Request status	ACCEPTED

Commented [26]: radu.ichim Thu, 23 Jun 2011 12:26:14 GMT: The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.

Artifact Content

Description:

=====

The lengths of the CSURN and URN attributes will be deleted from the ICD in section 4.4. UPDATE REQUEST NUMBER (URN). Information about the length of attributes can be found in the data dictionary and XSDs.

Action(s) to follow:

=====

In Interface Control Document in section 4.4. UPDATE REQUEST NUMBER (URN) length of CSURN and URN attributes must be deleted.

Action(s) followed:

=====

The ICD document has been modified:

- * Section 4.4. UPDATE REQUEST NUMBER (URN) has been modified:
- > The expression (Remark: type NUM, length 17) has been deleted.
- > The expression (Remark: type TEXT, length 24) has been deleted.

Description:

=====

The length of the CSURN and URN shall be removed from the ICD in section 4.4. UPDATE REQUEST NUMBER (URN). Information about length of attributes can be found in the data dictionary and XSDs.

Action(s) To Be Taken:

=====

In the Interface Control Document in section 4.4. UPDATE REQUEST NUMBER (URN) the length of CSURN and URN has to be removed.

Action(s) Taken:

=====

The Interface Control Document has been changed:

- * The section 4.4. UPDATE REQUEST NUMBER (URN) has been updated:
- > The expression (Remark: type NUM, length 17) has been removed.
- > The expression (Remark: type TEXT, length 24) has been removed.

SIC-1986 Regression introduced in SIC-1628: NameOfBoatBaseType is too restrictive

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System

Commented [27]: radu.ichim Thu, 23 Jun 2011 12:27:10 GMT: The Communication Protocol between SINS and the Authorities is an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.

	implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Alex Popescu
Identifier	42
Request status	ACCEPTED

Artifact Content

Description:

=====

As part of the implementation of SIC-1628 in ICD 2.6.1, NameBoatBaseType has been changed. If you understand the SIC-1628 description correctly, the idea was to base the new type on NameUnicodeRD *with additional characters allowed*:

"New type must be created (Unicode Extended Name) and used for Vessel Name, based on RD Unicode Name with ".", "-", "/", "'", "(", ")", "?", ":", ";", "+", "space"

However, the hierarchy of types looks like this:

- 1) NameOfBoatBaseType
<xsd:restriction base="sisdt:ExtendedNameUnicodeOriginalRD">
<xsd:maxLength value="200"/>
</xsd:restriction>
- 2) ExtendedNameUnicodeOriginalRD
<xsd:restriction base="sisdt:ExtendedNameUnicodeTransformRD">
<xsd:maxLength value="255"/>
</xsd:restriction>
- 3) ExtendedNameUnicodeTransformRD
<xsd:restriction base="sisdt:NameUnicodeRD">
<xsd:maxLength value="510"/>
<xsd:pattern value="[A-Z0-9a-z\.\-/'()?:,\+À-ÖØ-öø;ÿĀ-ķĹ-ņĪ-žĀĒ-TO'Y-PΣ-ωĒ-ĶŸ-яё-кѸџЖжVvIr]+"/>
</xsd:restriction>
- 4) NameUnicodeRD
<xsd:restriction base="xsd:string">
<xsd:pattern value="[A-Z0-9a-z\.\-/'À-ÖØ-öø-ÿĀ-ķĹ-ņĪ-žĀĒ-TOY-PΣ-ωĒ-ĶŸ-яё-кѸЖж;VvIr]+"/>
</xsd:restriction>

Note that ExtendedNameUnicodeTransformRD defines a pattern of allowed characters but is defined as a *restriction* for NameUnicodeRD which defines its own pattern. As a result, not everything that is

used for boat types.

SIC-1984 Unusable optional node sequence for LinkID in CSRemoveAlertsFromLink

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Alex Popescu
Identifier	273
Request status	ACCEPTED

Artifact Content

Description:

=====

The CSRemoveAlertsFromLink message contains an optional sequence with a node under the RCI node and a mandatory node under the LinkID node. Wouldn't it be better if the LinkID node was set as optional rather than having an optional sequence subordinated above the LinkID node?

Action(s) to follow:

=====

The sequence must be deleted and the LinkID will be added as a direct child element of the response.

Action(s) followed:

=====

The CSRemoveAlertsFromLink message has been modified.

--> The LinkID element has been moved. This is now a direct child of CSRemoveAlertsFromLink.Response

Commented [28]: radu.ichim Thu, 23 Jun 2011 12:52:27 GMT: The XSD schemes implemented at SINS level represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.

Description:

=====

The message CSRemoveAlertsFromLink has an optional sequence node under RCI node and a mandatory LinkID node under this optional sequence node. Wouldn't it be better if the LinkID node just set as optional instead of having optional sequence node on top of the LinkID node?

Action(s) To Be Taken:

=====

The sequence has to be removed and the LinkID shall be added as a direct child element of the response.

Action(s) Taken:

=====

The message CSRemoveAlertsFromLink has been changed.

--> The element LinkID has been moved. It is now a direct child element of the CSRemoveAlertsFromLink.Response

SIC-1983 To be the same version of the ICD with the technical memo

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Alex Popescu
Identifier	274
Request status	ACCEPTED

Artifact Content

Description:

=====

Regarding the version of the technical memory, the ICD must be modified. The sentence "Deleting fields is not supported in the current solution." is no longer valid.

Action(s) to follow:

=====

The sentence mentioned above must be deleted or reformulated.

Action(s) followed:

=====

The ICD document has been modified:

* Section 5.13. OPERATION VERSIONING has been modified.

--> The sentence "Deleting fields is not supported in the current solution. It should also be clearly understood that repairing defects is not considered versioning." has been reformulated.

Description:

=====

Regarding the technical memo on <versioning> the ICD has to be changed. The sentence "No deletion of fields is supported in this solution." is not valid (anymore).

Action(s) To Be Taken:

=====

The sentence mentioned above has to be removed or rephrased.

Action(s) Taken:

=====

The <Interface Control Document> has been changed.

* The section 5.13. OPERATION VERSIONING has been modified.

--> The sentence <No deletion of fields is supported in this solution. It also has to be clearly understood that bug fixing is not seen as a versioning issue.> has been rephrased.

SIC-1981 Add a new table ST133_WMI in ICD

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be

	established in accordance with the decisions taken on the DTS.
Analyst	Alex Popescu
Identifier	275
Request status	ACCEPTED

Artifact Content

Description:

=====

Add a new table ST133_WMI in ICD

Action(s) to follow:

=====

Add a new table ST133_WMI in ICD

Action(s) followed:

=====

The document <SISII-ICD_CodeTables.xls> has been modified.

--> Added table ST133_WMI.

The ST133_WMI_v1.xml file has been created.

The file ST133Export.xsd was created in CodeTablesDictionary.

Description:

=====

Add the new code table ST133_WMI to the ICD.

Action(s) To Be Taken:

=====

Add the new code table ST133_WMI to the ICD.

Action(s) Taken:

=====

The document <SISII-ICD_CodeTables.xls> has been changed.

--> Added the code table ST133_WMI.

The file ST133_WMI_v1.xml has been created.

The file ST133Export.xsd has been created in the CodeTablesDictionary.

SIC-1979 Add a note to searches on amnesty data

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII

	comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Alex Popescu
Identifier	276
Request status	ACCEPTED

Artifact Content

Description:

=====

Add a note to amnesty data searches.

Action(s) to follow:

=====

Add a note to searches on the amnesty date in the ICD.

Action(s) followed:

=====

The ICD document has been modified:

* Section 6.1.8.5 << CONTRACT >> QUERIES has been modified:

--> A note about Amnesty Data searches has been added.

Description:

=====

Add a note to queries on amnestied data.

Action(s) To Be Taken:

=====

Add a note to queries on amnestied data in the ICD.

Action(s) Taken:

=====

The <Interface Control Document> has been changed:

* The section 6.1.8.5 << CONTRACT >> QUERIES has been changed:

--> A note about queries on Amnesty Data has been added.

SIC-1977 The <Countries> element in QualifierModifierType is based on ST211_TechnicalUserType - should be based on ST001_RequestingUser

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Impacted components	ISN, CS, CORE
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Alex Popescu
Identifier	277
Request status	ACCEPTED

Artifact Content

Description:

=====

The <Countries> element in QualifierModifierType is based on ST211_TechnicalUserType, but ST001_RequestingUser is the correct table.

Action(s) to follow:

=====

In the QualifierModifierType the <Countries> element must be based on ST001_RequestingUser.

Action(s) followed:

=====

The CommonDataTypes.xsd file has been modified:

* QualifierModifierType has been modified:

--> The <Country> element is now based on ST001_RequestingUserType.

Description:

=====

The element <Countries> in QualifierModifierType is based on ST211_TechnicalUserType, but ST001_RequestingUser is the correct code table.

Action(s) To Be Taken:

=====

In the QualifierModifierType the element <Countries> has to be based on ST001_RequestingUser.

Action(s) Taken:

=====

The CommonDataTypes.xsd has been changed:

* The QualifierModifierType has been amended:

--> The element <Country> is now based on ST001_RequestingUserType.

SIC-1975 It is not mentioned in the ICD that CSMessages will not be validated by the Central System

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Alex Popescu
Identifier	278
Request status	ACCEPTED

Artifact Content

Description:

=====

It is not mentioned in the ICD that CSMessages will not be validated by the Central System.

Action(s) to follow:

=====

Add a note in the ICD to say that CSMessages will not be validated with XSD by the Central System.

Action(s) followed:

=====

The ICD document has been modified:

* Section 6. DETAILED DESIGN OF CONTRACTS has been modified:

--> a note related to XML validation of CSMessages was added.

Description:

=====

It is not mentioned in the ICD that CSMessages will not be validated at the central side.

Action(s) To Be Taken:

=====

Add a note in the <Interface Control Document> that CSMessages will not be validated against the XSDs by the central system.

Action(s) Taken:

=====

The <Interface Control Document> has been changed:

* The section 6. DETAILED DESIGN OF CONTRACTS has been amended:

SIC-1974 <Reserved> is not a valid value in table ST001_RequestingUser for columns <VALIDFROM> and <VALIDUNTIL>

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	The existing CS.SIS nomenclature in SINS, which have such values, will be updated accordingly and provided to the authorities
Impacted modules	CODE TABLE
Analyst	Alex Popescu
Identifier	279
Request status	ACCEPTED

Artifact Content

Description:

=====

<Reserved> is not a valid value in the ST001_RequestingUser table for the <VALIDFROM> and <VALIDUNTIL> columns, please change the value.

Action(s) to follow:

=====

The <Reserved> value must be replaced with a valid date.

Action(s) followed:

=====

The table ST001_RequestingUser has been modified:

--> All records in ST001_RequestingUser that had the value <Reserved> were changed to the following values:

VALIDFROM = 20060101 and VALIDUNTIL = 20060601

The ST001_REQUESTINGUSER_v1.xml file has been modified accordingly.

Description:

=====

<Reserved> is not a valid value in the code table ST001_RequestingUser for the columns <VALIDFROM> and <VALIDUNTIL>, please amend this.

Action(s) To Be Taken:

=====

The value <Reserved> has to be exchanged to a valid data value.

Action(s) Taken:

=====

The ST001_RequestingUser has been changed:

--> All entries in the ST001_RequestingUser with the value <Reserved> have been changed to the following values:

VALIDFROM = 20060101 & VALIDUNTIL = 20060601

The ST001_REQUESTINGUSER_v1.xml has been changed accordingly.

SIC-1973 The examples for the following minimal algorithm require some clarification

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol

	between SINS and SIB will be made available by STERIA.
Analyst	Alex Popescu
Identifier	280
Request status	ACCEPTED

Artifact Content

Description:

=====

There are still references to CentralTrackingID and NationalTrackingID in ICD. Since both IDs are replaced by a TrackingID, all old references must be deleted or modified.

Action to follow:

=====

All references to CentralTrackingID and NationalTrackingID must be deleted or modified.

Action followed:

=====

"Interface Control Document" has been changed:

* Section 4.3. LOGICAL SESSION has been modified:

--> The expression 'CentralTrackingID' has been replaced by 'TrackingID'

* Section 6.1.8 OPERATIONS DETAILED DESIGN has been modified:

--> In the <ID Formats> table, "CentralTrackingID" has been replaced with 'TrackingID' and the row with 'NationalTrackingID' has been deleted.

Description:

=====

There are still references of CentralTrackingID and NationalTrackingID in the ICD. Since both IDs are replaced by one TrackingID, all old references have to be deleted or modified.

Action(s) To Be Taken:

=====

All references of CentralTrackingID and NationalTrackingID have to be removed or modified.

Action(s) Taken:

=====

The "Interface Control Document" has been changed:

* The section 4.3. LOGICAL SESSION has been modified:

--> The expression 'CentralTrackingID' has been replaced by 'TrackingID'

* The section 6.1.8 OPERATIONS DETAILED DESIGN has been modified:

--> In the table with the <ID Formats> the "CentralTrackingID" has been replaced by 'TrackingID' and the row with the 'NationalTrackingID' has been deleted.

SIC-1969 Minor problems in XSDs

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low

Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Analyst	Caesar Ivana
Identifier	281
Request status	ACCEPTED

Artifact Content

Description:

=====

HPS QA Internal found a minor issue in XSD.

Action to follow:

=====

The NumRD type derives from xsd:long but is commented as follows:

<xsd:annotation>

<xsd:documentation>Description: This type indicates a numeric value.</xsd:documentation>

<xsd:documentation>Rule: Separator: NUM can have a decimal separator. If a decimal separator is allowed, the character to be used is a point.</xsd:documentation>

</xsd:annotation>

This is not correct, the mentioned rule has been removed.

Action followed:

=====

CommonDataTypes.xsd has been changed.

--> The rule description for NumRD has been removed.

Description

=====

The fields Autorepair and DCCLight are duplicated in CSPerformSnapshot (marked with red circle in snapshot). Is there any reason to duplicate those fields and if yes, when will the one and when the other fields will be filled?

Action(s) to be taken

=====

- remove the 'AutoRepair' and 'DCCLight' tags from the CSPerformSnapshot.Request

Action(s) taken

=====

1. XSD - CSPerformSnapshot

-- removed 'AutoRepair' and 'DCCLight' tags from the CSPerformSnapshot.Request

SIC-1964 QA: (ICD2.7): AutoRepair and DCCLight fields duplicated in CSPerformSnapshot

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Priority	tall
Analyst	Caesar Ivana
Identifier	282
Request status	ACCEPTED

Artifact Content

Description

=====

The Autorepair and DCCLight fields are duplicated in CSPerformSnapshot (marked with a red circle in the snapshot). Is there any reason to duplicate these fields and if so, when will one be populated and when the other?

Action to follow

=====

- remove 'AutoRepair' and 'DCCLight' tags from CSPerformSnapshot.Request
Action followed

=====

1. XSD - CSPerformSnapshot
-- remove 'AutoRepair' and 'DCCLight' tags from CSPerformSnapshot.Request

Description
=====

The fields Autorepair and DCCLight are duplicated in CSPerformSnapshot (marked with red circle in snapshot). Is there any reason to duplicate those fields and if yes, when will the one and when the other fields will be filled?
Action(s) to be taken

=====

- remove the 'AutoRepair' and 'DCCLight' tags from the CSPerformSnapshot.Request
Action(s) taken

=====

1. XSD - CSPerformSnapshot
-- removed 'AutoRepair' and 'DCCLight' tags from the CSPerformSnapshot.Request

SIC-1963 There are still references to CentralTrackingID and NationalTrackingID in the ICD

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Caesar Ivana
Identifier	283
Request status	ACCEPTED

Artifact Content

Description:

=====

There are still references to CentralTrackingID and NationalTrackingID in ICD. Since both IDs are replaced by a TrackingID, all old references must be deleted or modified.

Action to follow:

=====

All references to CentralTrackingID and NationalTrackingID must be deleted or modified.

Action followed:

=====

"Interface Control Document" has been changed:

* Section 4.3. LOGICAL SESSION has been modified:

--> The expression 'CentralTrackingID' has been replaced by 'TrackingID'

* Section 6.1.8 OPERATIONS DETAILED DESIGN has been modified:

--> In the <ID Formats> table, "CentralTrackingID" has been replaced with 'TrackingID' and the row with 'NationalTrackingID' has been deleted.

Description:

=====

There are still references of CentralTrackingID and NationalTrackingID in the ICD. Since both IDs are replaced by one TrackingID, all old references have to be deleted or modified.

Action(s) To Be Taken:

=====

All references of CentralTrackingID and NationalTrackingID have to be removed or modified.

Action(s) Taken:

=====

The "Interface Control Document" has been changed:

* The section 4.3. LOGICAL SESSION has been modified:

--> The expression 'CentralTrackingID' has been replaced by 'TrackingID'

* The section 6.1.8 OPERATIONS DETAILED DESIGN has been modified:

--> In the table with the <ID Formats> the "CentralTrackingID" has been replaced by 'TrackingID' and the row with the 'NationalTrackingID' has been deleted.

SIC-1960 HashBinary field is optional in CSBroadcast (text type)

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the

	context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Priority	tall
Impacted components	ISN, CS, CORE
Analyst	Caesar Ivana
Identifier	284
Request status	ACCEPTED

Artifact Content

Description:

=====

The HashBinary field in all pictures (Object, Person), Fingerprint and mandate is optional. Even an MS with NC but without binary requires this information to calculate the hash value of the signaling. Therefore, the HashBinary field must be mandatory.

Action to follow:

=====

Changing the HashBinary element from optional to mandatory.

Action followed:

=====

AlertDataType.xsd has been changed:

--> In the element <PersonPicDesCompTextualGetCoreIndexType> HashBinary is set as mandatory.

--> In the element <FingerprintsPicDesCompTextualGetCoreIndexType> HashBinary is set as mandatory.

--> In the element <EAWPicDesCompTextualBaseGetIndexType> HashBinary is set as mandatory.

--> In the element <ObjectPicDesCompTextualGetCoreIndexType> HashBinary is set as mandatory.

Description:

=====

The HashBinary field in all Picture (Object, Person), Fingerprint and EAW is optional. Even a MS with NC but without Binaries needs this information for calculating the hash value of the alert. The HashBinary field therefore has to be mandatory.

Action(s) To Be Taken:

=====

Change the HashBinary element from optional to mandatory.

Action(s) Taken:

=====

The AlertDataType.xsd has been changed:

--> In the element <PersonPicDesCompTextualGetCoreIndexType> the HashBinary is set to mandatory.
--> In the element <FingerprintsPicDesCompTextualGetCoreIndexType> the HashBinary is set to mandatory.
--> In the element <EAWPicDesCompTextualBaseGetIndexType> the HashBinary is set to mandatory.
--> In the element <ObjectPicDesCompTextualGetCoreIndexType> the HashBinary is set to mandatory.

SIC-1959 TrackingID field in NSRequestComparison is useless

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Priority	tall
Analyst	Caesar Ivana
Identifier	285
Request status	ACCEPTED

Artifact Content

Description:

=====

TrackingID is set by CS, so that in the NSRequestComparison and NSScheduleDataDump messages they are not necessary,

Action to follow:

=====

In NSRequestComparison and NSScheduleDataDump messages, TrackingID has been removed.

Action followed:

=====
1. XSD NSRequestComparison.xsd
--> The TrackingID element in NSRequestComparison.Request has been removed.
2. XSD NSScheduleDataDump.xsd
--> The TrackingID element in NSScheduleDataDump.Request has been removed.

Description:

=====
The TrackingID is set by the CS so in the message NSRequestComparison and NSScheduleDataDump it is not necessary,

Action(s) To Be Taken:

=====
In messages NSRequestComparison and NSScheduleDataDump the TrackingID has to be removed.
Action(s) Taken:

=====
1. XSD NSRequestComparison.xsd
--> The TrackingID element under NSRequestComparison.Request has been removed.
2. XSD NSScheduleDataDump.xsd
--> The element TrackingID under NSScheduleDataDump.Request has been removed.

SIC-1958 Flag field in CSApplyRestorationReport is useless

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Impacted components	ISN, CS, CORE
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Caesar Ivana
Identifier	286

Request status	ACCEPTED
----------------	----------

Artifact Content

Description:

=====

There is an unnecessary Flag node in
CSApplyRestorationReport.Report.RestorationReport.Alerts.Alert.Alert The same is true for
CSApplyDataDumpReport.Report.DataDumpResults..Alerts.Alert.Alert.

Action to follow:

=====

The Flag node must be removed.

Action followed:

=====

AlertDataTypes.xsd has been changed:

--> In AlertRestoreDataType the <Flag> element has been removed.

Description:

=====

There is a superfluous Flag node in the
CSApplyRestorationReport.Report.RestorationReport.Alerts.Alert.Alert The same applies for the
CSApplyDataDumpReport.Report.DataDumpResults..Alerts.Alert.Alert.

Action(s) To Be Taken:

=====

The superfluous Flag node has to be removed.

Action(s) Taken:

=====

The AlertDataTypes.xsd has been changed:

--> In the AlertRestoreDataType the element <Flag> has been removed.

SIC-1956 Mandatory Hash field in CSApplyRestorationReport

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Impacted components	ISN, CS, CORE
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the

	case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Caesar Ivana
Identifier	287
Request status	ACCEPTED

Artifact Content

Description:

=====

The <Hash> field for Alert, Binary and Link is mandatory in CSApplyRestorationReport.Report, but if eg a signal has been deleted, there will no longer be a Hash value. This is also valid for CSApplyDataDumpReport.Report.

Action to follow:

=====

The <Hash> field for Alert, Binary and Link is mandatory but must be optional.

Action followed:

=====

AlertDataTypes.xsd has been changed:

--> In BinaryRestoreType the <Hash> element is now optional.

--> In AlertRestoreType the <Hash> element is now optional.

Description:

=====

The Field <Hash> for Alert, Binary and Link is mandatory in the CSApplyRestorationReport.Report but in case that eg an alert was deleted there will be no Hash value anymore. This also applies for the CSApplyDataDumpReport.Report.

Action(s) To Be Taken:

=====

The Field <Hash> for Alert, Binary and Link is mandatory but it has to be optional.

Action(s) Taken:

=====

The AlertDataTypes.xsd has been changed:

--> In the BinaryRestoreType the element <Hash> is now optional.

--> In the AlertRestoreType the element <Hash> is now optional.

The LinkDataTypes.xsd has been changed:

--> In the LinkRestoreType the element <Hash> is now optional.

SIC-1955 Redo on 6.1.8.4 << CONTRACT >> BROADCAST & NOTIFICATION as a result of HPS QA result

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Caesar Ivana
Identifier	288
Request status	ACCEPTED

Artifact Content

Description:

=====

As a result of the HPS QA processes some changes (formal and content) in section 6.1.8.4 << CONTRACT >> BROADCAST & NOTIFICATION of the ICD are necessary.

Action to follow:

=====

These results were included in section 6.1.8.4 << CONTRACT >> BROADCAST & NOTIFICATION ff.

Action followed:

=====

Section 6.1.8.4 << CONTRACT >> BROADCAST & NOTIFICATION has been modified.

--> Certain typos and language errors have been corrected throughout the section. Also, some examples or clauses have been reformulated for reasons of clarification.

Section 6.1.8.4.1 << OPERATION >> BROADCAST has been modified:

--> The statement "All operations on flags are considered as an update operation" has been clarified.

--> The statement "In the case of a textual Broadcast signaling possible binary broadcasts will never be

sent will also be registered with the status "ERROR"" has been rephrased because it does not make sense.
--> The sentence "If not, the binary Broadcast messages will not be transmitted" has been reformulated.
--> The warning code for discarding is 6601 and not 6001, so it has been modified here..
--> The correct return code used for a negative acknowledgment and rejection of the Broadcast is 0002, and the error code is 6605. Thus, the text passage "If the CS receives a negative acknowledgment (return code 6605) ..." was changed to "If CS receives a negative acknowledgment (error code 6605) ...".
Section 6.1.8.4.1.5.1 Broadcast Alarm has been changed:
-> Text passage "in general" was "Observation"
-> The explanation to the bullet "If the list does not exist in the national copy:" for an update alert was modified, because it was in contradiction with "Note", the passage above.
-> Bullet about "not the national copy being in a consistent state" was removed.
-> Clauses "until the Alarm has been created", "until the links are updated or removed" and "until the Link has been created", has been removed.

Description:

=====

As a result of the HPS QA process some changes (formal and content) in section 6.1.8.4 << CONTRACT >> BROADCAST & NOTIFICATION of the ICD are necessary.

Action(s) To Be Taken:

=====

These results have to be included in section 6.1.8.4 << CONTRACT >> BROADCAST & NOTIFICATION ff.

Action(s) Taken:

=====

The section 6.1.8.4 << CONTRACT >> BROADCAST & NOTIFICATION has been changed.
--> Some typos and language errors have been corrected in the whole section. Also a few sentences or clauses have been rephrased for clarification reasons.
The section 6.1.8.4.1 << OPERATION >> BROADCAST has been changed:
--> The sentence "All operations on flags are considered as an update operation" has been clarified.
--> The sentence "In case of a textual alert Broadcast possible binary broadcasts will never be sent will also be registered with the status "ERROR"" has been rephrased because it does not make sense.
--> The sentence "If not, binary Broadcast messages will not be sent" has been rephrased.
--> The warning code for discarding is 6601 and not 6001, so this has been changed here.
--> The correct return code used for a negative acknowledgment and rejecting a broadcast is 0002 and the error code is 6605. So the text passage "If the CS gets a negative acknowledgment (return code 6605) ..." has been changed to "If the CS gets a negative acknowledgment (error code 6605) ...".
The section 6.1.8.4.1.5.1 Alert Broadcast has been changed:
--> The text passage "In General" has been "Remark"
--> The explanation to the bullet "If the Alert does not exist in the National Copy:" for an update alert has been modified, because it was in contradiction to the "Remark" passage above.
--> The bullet about "national copy not being in a consistent state" has been removed.
--> The clauses "until the Alert has been created", "until the Links are updated or removed" and "until the Link has been created" have been removed.

SIC-1951 There is no complete reference for fields and lists of unlinked technical memos in ICD

Attributes

Attribute	Value
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Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Caesar Ivana
Identifier	289
Request status	ACCEPTED

Artifact Content

Description:

=====

A complete reference to the fields and unlinked lists of the technical note type is not present in the ICD.

Action to follow:

=====

A complete reference to the fields and unlinked lists of the technical note type must be added to the ICD.

Action followed:

=====

The Document Control interface has been changed:

* Section 1.5.1 APPLICABLE DOCUMENTS has been modified:

--> A reference to the technical note "UNBOUNDED FIELDS AND LISTS IN SISII" has been added.

* Section 6.1.8 OPERATIONS DETAILED DESIGN has been modified:

--> The reference to the technical note "UNBOUNDED FIELDS AND LISTS IN SISII" was added in the text.

Description:

=====

A complete reference to the technical memo unbound fields and list is not present in the ICD.

Action(s) To Be Taken;

=====

A complete reference to the technical memo unbound fields and list has to be added to the ICD.

Action(s) Taken:

=====

The Interface Control Document has been changed:

* The section 1.5.1 APPLICABLE DOCUMENTS has been modified:

--> A reference to the technical memo "UNBOUNDED FIELDS AND LISTS IN SISII" has been added.

* The section 6.1.8 OPERATIONS DETAILED DESIGN has been modified:

--> The reference to the technical memo "UNBOUNDED FIELDS AND LISTS IN SISII" has been added in the text.

SIC-1949 Business rules B-SIS-R0308, B-SIS-R0311 and B-SIS-R5743 are not correctly described in SISII-ICD-View-Business_Rules

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Analyst	Caesar Ivana
Identifier	290
Request status	ACCEPTED

Artifact Content

Description:

=====

The business rules B-SIS-R0308, B-SIS-R0311 and B-SIS-R5743 are not correctly described in the SISII-ICD-View-Business_Rules.

Action to follow:

=====

The previously mentioned business rules were correctly described in the SISII-ICD-View-Business_Rules.

Action followed:

=====

The SISII-ICD-View-Business_Rules.xls document has been modified:

--> Rule B-SIS-R5743 was added to some extra operations.

--> Rule B-SIS-R0308 and B-SIS-R0311 was newly added to the document.

Description:

=====

The business rules B-SIS-R0308, B-SIS-R0311 and B-SIS-R5743 are not correctly described in the SISII-

ICD-View-Business_Rules.

Action(s) To Be Taken:

=====

The above named business rules have to be described correctly in the SISII-ICD-View-Business_Rules.

Action(s) Taken:

=====

The document SISII-ICD-View-Business_Rules.xls has been changed:

--> The rule B-SIS-R5743 has been added to a few more operations.

--> The rules B-SIS-R0308 and B-SIS-R0311 have been newly added to the document.

SIC-1948 It is necessary to renumber the new business rule B-SIS-R5745 (as regards the alias number)

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Requirements regarding the renumbering of a business rule. SINS also applies because there are documents that hold the mapping between Business Rules and Error Codes.
Priority	low
Analyst	Caesar Ivana
Identifier	291
Request status	ACCEPTED

Artifact Content

Description:

=====

Renumbering of the new business rule B-SIS-R5745 (regarding the alias number - see SIC-1747) necessary because B-SIS-R5745 is already used.

Action to follow:

=====

Business rule B-SIS-R5745 has been renumbered.

Action followed:

=====

Rule B-SIS-R5745 "The alias number of the schengenId of a PersonAlert is always set to 0000." was renumbered to B-SIS-R5746.

--> The SISII-ICD-View-Business_Rules.xls document has been modified accordingly.

--> The SISII-ICD_BusinessRulesMapping.xls document has been modified accordingly.

Description:

=====

Renumbering of the new business rule B-SIS-R5745 (regarding alias number - see SIC-1747) necessary because B-SIS-R5745 is already in use.

Action(s) To Be Taken:

=====

The business rule B-SIS-R5745 has to be renumbered.

Action(s) Taken:

=====

The rule B-SIS-R5745 "The alias number of the schengenId of a PersonAlert is always set to 0000." has been renumbered to B-SIS-R5746.

--> The document SISII-ICD-View-Business_Rules.xls has been changed accordingly.

--> The document SISII-ICD_BusinessRulesMapping.xls has been changed accordingly.

SIC-1947 Ambiguous description of entry 5217.01 in code table ST204_ERRORCODE

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Analyst	Caesar Ivana
Identifier	292
Request status	ACCEPTED

Artifact Content

Description:

=====

The description of entry 5217.01 in the code table (ST204_ERRORCODE) is ambiguous, so it must be reworded.

Actions to be taken:

=====

Restatement of the description "Each entry for a code table can be used only once in the base field of the code table".

Actions taken:

=====

The description of entry 5217.01 in the code table (ST204_ERRORCODE) has been reformulated in: "Each code table entry can be used only once in a base field in the code table"

Description:

=====

The description of code table entry 5217.01 (ST204_ERRORCODE) is ambiguous, so it has to be rephrased.

Action(s) To Be Taken:

=====

Rephrase the description "Each entry of a code table could be used only once in a code table based field."

Action(s) Taken:

=====

The description of code table entry 5217.01 (ST204_ERRORCODE) has been rephrased to:

SIC-1943 Unclear description for the cancellation of a DC (Data Consistency) campaign by a national system (SN)

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Caesar Ivana
Identifier	293
Request status	ACCEPTED

Artifact Content

Description:

=====

The description of cancellation of a DC campaign by the National System should be described more precisely.

Action to follow:

=====

Section 5.2.13 RESTORE A NATIONAL COPY VIA A DATA DUMP COMMUNICATION USE
CASE in the ICD must be modified.

Actions followed:

=====

The SISII-ICD document has been modified:

* The section 5.2.13 RESTORE A NATIONAL COPY VIA A DATA DUMP COMMUNICATION USE
CASE has been modified:

--> The second part of <Note: Failure of a campaign on the side of a national system> has been reworded
and an applicable return code has been mentioned.

Description:

=====

The description of cancellation of a running DC campaign by the National System should be described
more precisely.

Action(s) To Be Taken:

=====

The section 5.2.13 RESTORE A NATIONAL COPY VIA A DATA DUMP COMMUNICATION USE
CASE in the ICD has to be amended.

Action(s) Taken:

=====

The document SISII-ICD has been amended:

* The section 5.2.13 RESTORE A NATIONAL COPY VIA A DATA DUMP COMMUNICATION USE
CASE has been modified:

--> The second part of the <Note: Failure of the campaign on the national side> has been rephrased and
the applicable return code has been mentioned.

SIC-1941 The "ConsultDataAccessLog" service is to be removed - part 2

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol

	between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Caesar Ivana
Identifier	294
Request status	ACCEPTED

Artifact Content

Description:

=====

The "ConsultDataAccessLog" service is removed.

Action to follow:

=====

All text passages regarding the Data Access Log shall be removed in the ICD also the messages for accessing the data access log and the whole service for that.

Action followed:

=====

The SISII-ICD.doc document has been modified:

* Section 6.1.1 CONTRACTS & OPERATIONS MATRIX has been modified:

--> The ConsultDataAccessLog operation has been removed from the table.

* Section 6.1.2 OPERATIONS VERSUS LOGICAL PROTOCOLS MATRIX has been modified:

--> The ConsultDataAccessLog operation has been removed from the table.

* Section 6.1.4 OPERATIONS VERSUS CHANNELS MATRIX has been modified:

--> The ConsultDataAccessLog operation has been removed from the table.

* Section 6.1.5 MESSAGES DETAILED OVERVIEW has been modified:

--> The ConsultDataAccessLog operation has been removed from the table.

* Section 6.2.2.2 PACKAGING has been modified:

--> The ConsultDataAccessLog operation has been removed from the table.

Description:

=====

The "ConsultDataAccessLog" service shall be removed.

Action(s) To Be Taken:

=====

All text passages about Data Access Log shall be removed in the ICD also the messages for accessing the data access log and the whole service for that.

Action(s) Taken:

=====

The document SISII-ICD.doc has been changed:

* The section 6.1.1 CONTRACTS & OPERATIONS MATRIX has been modified:

--> The ConsultDataAccessLog operation has been removed from the table.

* The section 6.1.2 OPERATIONS VERSUS LOGICAL PROTOCOLS MATRIX has been modified:

--> The ConsultDataAccessLog operation has been removed from the table.

* The section 6.1.4 OPERATIONS VERSUS CHANNELS MATRIX has been modified:

--> The ConsultDataAccessLog operation has been removed from the table.

* The section 6.1.5 MESSAGES DETAILED OVERVIEW has been modified:

--> The ConsultDataAccessLog operation has been removed from the table.
* The section 6.2.2.2 PACKAGING has been modified:
--> The ConsultDataAccessLog operation has been removed from the table.

SIC-1939 The terms <User> and <End-User> are not used in the sense of their exact meanings in the ICD

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Caesar Ivana
Identifier	295
Request status	ACCEPTED

Artifact Content

Description:

=====

The terms <User> (= an administrative authority) and <End-User> (= an individual user authorized to use the system) are not necessarily used in the ICD - in certain text passages the notation <user> or <end-user> is used > .

Action to follow:

=====

Modify the expressions <user> and <end-user> throughout the ICD document according to the description above.

Action to follow:

=====

In the document SISII-ICD.doc the expressions <user> and <end-user> have been replaced with <User> and <End-User> if necessary.

Description:

=====

The terms <User> (= an administrative authority) and <End-User> (= Any individual person authorized to make use of the system) are not used forcefully in the ICD - in some text passage the notation <user> or <end -user> is used.

Action(s) To Be Taken:

=====

Modify the expressions <user> and <end-user> in the whole ICD document according to the description above.

Action(s) To Be Taken:

=====

In the document SISII-ICD.doc the expressions <user> and <end-user> have been replaced by <User> and <End-User> if necessary.

SIC-1938 Add description showing that <broadcast> and <Broadcast> have the same meaning

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Caesar Ivana
Identifier	296
Request status	ACCEPTED

Artifact Content

Description:

=====

In the ICD, the expressions <broadcast> and <Broadcast> can be found. To avoid confusion, it should be mentioned that there are no differences between the two expressions.

Action to follow:

=====

For clarification in the ICD both expressions are used equally.

Action followed:

=====

The SISII-ICD document has been changed.

* Section 3.3.2 BROADCAST has been modified:

--> Add a passage about the equivalent use of <broadcast> and <Broadcast> expressions.

Description:

=====

In the ICD one can find the expressions <broadcast> and <Broadcast>. To avoid confusion it should be pointed out that there is no difference between both expressions.

Action(s) To Be Taken:

=====

Make it clear in the ICD that both expressions are used equivalently.

Action(s) Taken:

=====

The document SISII-ICD has been changed.

* The section 3.3.2 BROADCAST has been modified:

--> Add a passage about the equivalent usage of <broadcast> and <Broadcast>.

SIC-1936 Differences between ST006_Nationality and ISO 3166-1

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	The existing CS.SIS nomenclature in SINS, which have such values, will be updated accordingly and provided to the authorities.
Analyst	Caesar Ivana
Identifier	297
Request status	ACCEPTED

Artifact Content

Description

Some entries in the ST006 code table do not comply with ISO 3166-1.

Action to follow:

All entries in ST006 that do not agree with ISO 3166-1 must be modified.

Action followed:

The SISII-ICD_CodeTables document has been modified:

The ST006 code table has been modified:

--> entry <BOLIVIA> changed to <BOLIVIA, PLURINATIONAL STATE OF>

--> entry <COTE D'IVOIRE> changed to <CÔTE D'IVOIRE>

--> entry <KAZAKSTAN> changed to <KAZAKHSTAN>

--> entry <SAINT BARTHELEMY> changed to <SAINT BARTHÉLEMY>

--> <SAINT HELENA> entry changed to <SAINT HELENA, ASCENSION AND TRISTAN DA CUNHA>

--> entry <VENEZUELA> changed to <VENEZUELA, BOLIVARIAN REPUBLIC OF>

--> entry <MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF> changed to <MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF>

The ST006_NATIONALITY_v1.xml file has been modified accordingly.

Description:

Some entries in the code table ST006 are not inline with the ISO 3166-1.

Action(s) To Be Taken:

All entries in the ST006 which are not in-line with the ISO 3166-1 have to be changed.

Action(s) Taken:

The document SISII-ICD_CodeTables has been changed:

The code table ST006 has been modified:

--> entry <BOLIVIA> changed to <BOLIVIA, PLURINATIONAL STATE OF>

--> entry <COTE D'IVOIRE> changed to <CÔTE D'IVOIRE>

--> entry <KAZAKHSTAN> changed to <KAZAKHSTAN>

--> entry <SAINT BARTHELEMY> changed to <SAINT BARTHÉLEMY>

--> entry <SAINT HELENA> changed to <SAINT HELENA, ASCENSION AND TRISTAN DA CUNHA>

--> entry <VENEZUELA> changed to <VENEZUELA, BOLIVARIAN REPUBLIC OF>

--> entry <MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF> changed to <MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF>

The file ST006_NATIONALITY_v1.xml has been changed accordingly.

SIC-1934 Improve description of element "LinkType" Element in NSRequestComparison.xsd under "EntityTypes" Element

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes

	implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Priority	tall
Analyst	Caesar Ivana
Identifier	298
Request status	ACCEPTED

Artifact Content

Description

=====

In ICD v. 2.7, the "LinkType" Element under the "EntityTypes" Element in NSRequestComparison.xsd appears to be designed to be an empty node, and its existence is the only indication if Link entities should be compared within a DC campaign. A description should be created for this node to make it easier for users to understand, such as "Element description: this Element has no node value, by its existence, links are taken into account". The AlertType description can also be improved.

Actions to follow:

=====

The description of LinkType, QMEntityAlertType and AlertCategories in CommonDataTypes.xsd must be changed.

Action followed:

=====

CommonDataTypes.xsd has been changed:

-->The description of LinkType has been modified to clarify the use of this type.

--> A description of QMEntityAlertType has been added.

--> The description of AlertCategories has been changed to clarify the use of this type.

Description

=====

In the ICD v. 2.7, the "LinkType" Element under "EntityTypes" Element in NSRequestComparison.xsd seems to be designed to be an empty node, and its existence is the only indication whether Link entities

should be compared within a DC campaign. Perhaps a description can be created for this node to ease understanding for the users, like "Element description: this Element has no node value, by its existence, links are taken into account". Also the description of the AlertType can be enhanced.

Action(s) To Be Taken:

=====

The description of the LinkType, QMEntityAlertType and AlertCategories in CommonDataTypes.xsd has to be changed.

Action(s) Taken:

=====

The CommonDataTypes.xsd has been changed:

--> The description of the LinkType has been modified to clarify the use of this type.

--> A description to the QMEntityAlertType has been added.

--> The description of the AlertCategories has been modified to clarify the use of this type.

SIC-1933 The ConsultDataAccessLog operation has been removed -> remove the operation from the ST209 code table

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	It will be decided together with CNSIS if the ConsultDataAccessLog functionality will be removed from SINS.
Analyst	Caesar Ivana
Identifier	299
Request status	ACCEPTED

Artifact Content

Description:

=====

Operation <ConsultDataAccessLog> no longer exists, but operation <ConsultDataAccessLog> has not been removed from ST209_Operation code table.

Action to follow:

=====

The <ConsultDataAccessLog> operation must be removed from the ST209 code table.

Action followed:

=====

The <ConsultDataAccessLog> operation has been removed from the ST209 code table
The corresponding entry in "ST209_OPERATION_v1.xml" has been removed.

Description:

The operation <ConsultDataAccessLog> does not exist anymore, but the operation <ConsultDataAccessLog> has not been removed from ST209_Operation code table.

Action(s) To Be Taken:

=====

The operation <ConsultDataAccessLog> has to be removed from the ST209 code table.

Action(s) Taken:

=====

The <ConsultDataAccessLog> operation has been removed from the ST209 code table.

The corresponding entry in the "ST209_OPERATION_v1.xml" has been removed.

SIC-1932 Data types not used in XSDs

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Impacted components	ISN, CS, CORE
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Caesar Ivana
Identifier	300
Request status	ACCEPTED

Artifact Content

Description:

=====

The following (global) data types defined in the 2.7 release of XSDs are no longer used (directly or indirectly):

{http://www.europa.eu/schengen/sis/xsd/v1/types/common}ST109_ArticleNumberType

{http://www.europa.eu/schengen/sis/xsd/v1/types/common}ST112_ConsistencyCheckEntityTypeType
{http://www.europa.eu/schengen/sis/xsd/v1/types/alert}LoopCounterType
{http://www.europa.eu/schengen/sis/xsd/v1/types/alert}QueryDataAccessLogEntryReportType
{http://www.europa.eu/schengen/sis/xsd/v1/types/alert}QueryDataAccessLogSearchCriteriaType
{http://www.europa.eu/schengen/sis/xsd/v1/types/alert}RetAlertType
{http://www.europa.eu/schengen/sis/xsd/v1/types/link}LinkLoadDataType
{http://www.europa.eu/schengen/sis/xsd/v1/types/link}LinkRestoreDataType
{http://www.europa.eu/schengen/sis/xsd/v1/types/link}DataDumpLinkType
Action to follow:

=====
Remove these data types from XSDs.
Action followed:

=====
The mentioned data types have been removed from CommonDataTypes.xsd, AlertDataTypes.xsd and from LinkDataTypes.xsd.

Description:

=====
Following (global) data types defined in 2.7 release of XSDs are not (directly or indirectly) used anymore:

{http://www.europa.eu/schengen/sis/xsd/v1/types/common}ST109_ArticleNumberType
{http://www.europa.eu/schengen/sis/xsd/v1/types/common}ST112_ConsistencyCheckEntityTypeType
{http://www.europa.eu/schengen/sis/xsd/v1/types/alert}LoopCounterType
{http://www.europa.eu/schengen/sis/xsd/v1/types/alert}QueryDataAccessLogEntryReportType
{http://www.europa.eu/schengen/sis/xsd/v1/types/alert}QueryDataAccessLogSearchCriteriaType
{http://www.europa.eu/schengen/sis/xsd/v1/types/alert}RetAlertType
{http://www.europa.eu/schengen/sis/xsd/v1/types/link}LinkLoadDataType
{http://www.europa.eu/schengen/sis/xsd/v1/types/link}LinkRestoreDataType
{http://www.europa.eu/schengen/sis/xsd/v1/types/link}DataDumpLinkType
Action(s) To Be Taken:

=====
Remove these types from the XSDs.
Action(s) Taken:

=====
The mentioned types were removed from the CommonDataTypes.xsd, the AlertDataTypes.xsd and the LinkDataTypes.xsd.

SIC-1920 QA: (ICD2.7, SIC-1780) Data Dump report division

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII

	comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Caesar Ivana
Identifier	301
Request status	ACCEPTED

Artifact Content

Description

=====

1) Previously we had only one DD report file (DataDump), now - with the new way of splitting - we can have more.

It is specified:

- what is the status of the DD campaign if certain reports were successfully processed on the NS side and the others were not?

- what is the planned procedure for recovery from this type of scenario?

2) Is the "old division method", that is, "splitting" into portions smaller than 2GB, still used in the new way? Ex: If the report for a given type of Signaling (eg Person) happens to be greater than 2 GB, will it be divided into pieces ("the old way")?

Action to follow

=====

- change the note in the ICD

Action followed

=====

1. ICD chapter 5.2.10:

-- note modified with:

"Note that the report splitting mechanism described in the Report Splitting appendix does not apply to Data Dump Reports. These reports follow special report splitting rules to improve handling of these reports. DataDump is split into several stand-alone reports per entity and per RecordType alert (Wanted Persons, Vehicles, Firearms, Links, Binaries, ...). When a certain number of entities has been reached of the same RecordType or entity, the report is completed and a new report will continue with the rest of the entities .

A standalone report is a fully valid XML report that can be used completely separately from other reports. The biggest advantage is that the FTP transfer can start as soon as the first independent report has been finished and while the rest of the entities are being extracted.

The National System will receive several independent reports per Data Dump campaign. Each report can be used individually. The Central System will start a new Data Dump campaign by sending a message

containing the list of all individual reports of the current campaign.
If a problem occurs with one of the reports in a campaign, additional organizational measures must be taken to guarantee a correct and consistent restoration."

Description

=====
1) Previously we had only one DD report file, now - with the new way of splitting - we can have many.
Is it specified:

- what is the state of DD campaign if some reports were processed successfully on NS side and the other(s) were not?

- what is the planned procedure to recover from this kind of scenario?

2) Is the "old way of splitting", ie gzipping into smaller than 2GB chunks still used on top of "the new way"? Is if report for the given alert type (for example Persons) happens to be larger than 2GB will it be split into chunks ("old way")?

Action(s) to be taken

=====

- note fine in ICD

Action(s) taken

=====

1. ICD chapter 5.2.10:

-- amended note to :

"Please note that the report splitting mechanism described in the annex Report Splitting does not apply on Data Dump Reports. These reports follow special rules regarding report splitting in order to improve the handling of such reports. A DataDump is split in several stand-alone reports per entity and per alert RecordType (Wanted Persons, Vehicles, Firearms, Links, Binaries, ...). When a certain amount of entities has been reached of the same RecordType or entity, the report is finalized and a new report is started to continue with the rest of the entities.

A standalone report is a fully valid XML report that can be handled completely separated from the other reports. The biggest advantage is that the FTP transfer can already start as soon as the first standalone report has been finished and while still extracting the rest of the entities.

A National System will receive several standalone reports per Data Dump campaign. Each report can be handled completely on its own. The Central System will start a new Data Dump campaign by sending a message containing the overview of all standalone reports of the current campaign.

In case a problem occurs with one of the reports from a campaign, further organizational steps have to be taken to ensure a correct and consistent restoration."

SIC-1919 QA: (ICD2.7, SIC-1782) New modifier: TrackingID

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System

	implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Analyst	Caesar Ivana
Identifier	302
Request status	ACCEPTED

Artifact Content

Description

=====

SIC-1782 introduced a new modifier option: NS can now provide an id of the previous DC campaign (DataConsistency) to restore discrepancies identified during the previous campaign.

I think an improvement is possible:

NSScheduleDataDump Request.Modifiers.DiscreteModifier.TrackingID can be renamed to avoid confusion with another TrackingID (Request.TrackingID, which specifies the id of *this* DD campaign) These two fields have different functions, therefore they should be named differently. Maybe

'PreviousDCCampaignID'?

Action to follow

=====

- rename 'TrackingID' to 'StoredTrackingID'

Action followed

=====

1. XSD : CommonDataTypes.xsd

-- type DataDumpModifierChoiceType : Rename 'TrackingID' to 'StoredTrackingID'

Description

=====

SIC-1782 introduced a new modifier option: NS can now provide an id of the previous DC campaign to restore the discrepancies identified during that previous campaign.

I think that there is an improvement possible here:

NSScheduleDataDump Request.Modifiers.DiscreteModifier.TrackingID could be renamed to avoid confusion with another TrackingID (Request.TrackingID, which specifies the id of *this* DD campaign) These two fields have different functions so they should be called by different names. Maybe

'PreviousDCCampaignID'?

Action(s) to be taken

=====

- rename 'TrackingID' to 'StoredTrackingID'

Action(s) taken

=====

1. XSD : CommonDataTypes.xsd
-- type DataDumpModifierChoiceType : Renamed 'TrackingID' to 'StoredTrackingID'

SIC-1918 QA: (ICD2.7, SIC-1777) Clarification of what happens when discrepancies are found but the "AutoRepair" field has the value "FALSE"

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Caesar Ivana
Identifier	303
Request status	ACCEPTED

Artifact Content

Description

=====

As a result of SIC-1777 it is possible that the DC campaign finds discrepancies but they are not corrected (because NS sets the AutoRepair flag to FALSE). The NS can then start a restoration of the incorrect entities, but it is not mandatory to do this in any time interval

But because in the requirements SC (Central System) is defined as responsible for the correct state of CN (National Copy), I think that - just as a clarification - we must mention "when discrepancies were found but were not restored due to AutoRepair set to FALSE, the SC operator with the SN operator will find the best process for restoring CN consistency." The idea is to allow the SN to perform investigations before the automatic restoration (which could possibly destroy evidence of the error) but still define that the SC

operator is a party to this process and should ensure that the SN is - at some point - coherent again (for example by starting a restore on the SC side).

Action to follow

=====

- ICD change

Action followed

=====

1. the ICD was modified:

--> addition of note to chapter 6.1.8.6.1.3

Description

=====

As a result of SIC-1777 it is possible that DC campaign finds discrepancies but they are not corrected (because NS set AutoRepair flag to FALSE). NS may then start a restoration of incorrect entities, but they are not required to do that in any time-frame.

But because in the requirements CS is defined as responsible for correct state of National Copy, I think that - just as a clarification - we should mention that "when discrepancies have been found but not restored because of AutoRepair set to FALSE, CS operator with NS operator will agree on the best process to restore consistency of NC." Or something along the lines.

The idea is to allow NS to perform investigation before automatic restoration (which would possibly destroy evidence of the error) but still define that CS operator is a party in this process and should ensure that NS is - at some point - consistent again (for example by starting a restoration on CS side).

Action(s) to be taken

=====

- ICD update

Action(s) taken

=====

1. amended ICD:

--> addition of notes to chapter 6.1.8.6.1.3

SIC-1900 Entry 6600.01 in table ST205_WARNINGCODE is no longer used

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	Business rule already taken into account for DTS 3.0 removal. At the SINS level, the specific error code will be removed. A new nomenclature of error codes will be provided to the authorities.
Analyst	Caesar Ivana
Identifier	304
Request status	ACCEPTED

Artifact Content

Description:

=====
Entry 6600.01 / Possible Broadcast Inversion Case in ST205_WARNINGCODE is no longer used. It would need to be removed

Action to follow:

=====
Entry 6600.01 / Possible Broadcast Inversion Case in ST205_WARNINGCODE is no longer used. It must be removed

Action followed:

=====
The SISII-ICD_CodeTables.xls document has been changed:
--> Entry 6600.01 / Possible Broadcast Inversion Case on sheet ST205_WARNINGCODE has been removed.
The SISII-ICD_BusinessRulesMapping.xls document has been changed:
--> The entry Broadcast - ACK / POSSIBLE_INVERSION_CASE on sheet Broadcast_Notification has been removed.
The ST205_WARNINGCODE_v1.xml document has been changed to the agreement.

Description:

=====
The entry 6600.01 / Possible Broadcast Inversion Case in ST205_WARNINGCODE is not used anymore. It shall be removed.

Action(s) To Be Taken:

=====
The entry 6600.01 / Possible Broadcast Inversion Case in ST205_WARNINGCODE is not used anymore. It has to be removed.

Action(s) Taken:

=====
The document SISII-ICD_CodeTables.xls has been changed:
--> The entry 6600.01 / Possible Broadcast Inversion Case on sheet ST205_WARNINGCODE has been removed.
The document SISII-ICD_BusinessRulesMapping.xls has been changed:
--> The entry Broadcast - ACK / POSSIBLE_INVERSION_CASE on sheet Broadcast_Notification has been removed.
The document ST205_WARNINGCODE_v1.xml has been changed accordingly.

SIC-1898 Outbound message larger than 10 MB rejected by CNI causes infinite message sending loop and application crash

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol

	between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Caesar Ivana
Identifier	305
Request status	ACCEPTED

Artifact Content

Description

=====

The message generated by the CS that is larger than 10 MB is rejected by the CNI, but the CS constantly resends the message to the CNI, creating an infinite cycle of sending the message.

Caused by: weblogic.jms.common.ResourceAllocationException:

weblogic.messaging.kernel.QuotaException: Maximum message size exceeded - kernel size allowed is 2147483647, destination size is 10485760 and your message size is 11129052

at weblogic.jms.backend.BEDestinationImpl.sendIssueMessage(BEDestinationImpl.java:1858)

at weblogic.jms.backend.BEDestinationImpl.send(BEDestinationImpl.java:2055)

...

Therefore, the application no longer works and responds to every request with "the transaction has expired."

Action to follow:

=====

<Interface Control Document> should be extended with a description of how the central system reacts if broadcast-based JMS messages reach the 10 MB size limit.

Action followed:

=====

<Interface Control Document> has been changed:

* Section 6.1.8.4.1 << OPERATION >> BROADCAST has been changed:

--> Added a <Technical Note on JMS limitation> where the CS reaction is described, when broadcast-based JMS messages exceed the size limit of 10 MB

* Section 6.1.8.6.2 << OPERATION >> PERFORMSNAPSHOT has been changed:

--> Added a reference to section 6.1.8.4.1.

Description

=====

Message generated by the CS which is greater than 10 MB rejected by the CNI, but the CS is constantly pushing the message to the CNI which causes an infinite loop of sending the message.

Caused by: weblogic.jms.common.ResourceAllocationException:

weblogic.messaging.kernel.QuotaException: Maximum message size exceeded - allowable size for kernel is 2147483647, and allowable size for destination is 10485760 and your message's size is 11129052 at weblogic.jms.backend.BEDestinationImpl.sendIssueMessage(BEDestinationImpl.java:1858) at weblogic.jms.backend.BEDestinationImpl.send(BEDestinationImpl.java:2055)

...

Consequently, the application stopped working and responded to every request with a transaction timed out.

Action(s) To Be Taken:

=====

The <Interface Control Document> shall be expanded with a description of how the central system reacts, if a JMS message based on a broadcast reaches the 10 MB size limitation.

Action(s) Taken:

=====

The <Interface Control Document> has been changed:

* The section 6.1.8.4.1 << OPERATION >> BROADCAST has been changed:

--> Added a <Technical Note on JMS limitation> where we described the reaction of the CS, when a JMS message based on a broadcast will exceed the 10 MB size limitation.

* The section 6.1.8.6.2 << OPERATION >> PERFORMSNAPSHOT has been changed:

--> Added a reference to section 6.1.8.4.1.

SIC-1897 LogicalSessionID definition and interaction with UBN

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be

	made available by STERIA.
Priority	low
Analyst	Caesar Ivana
Identifier	306
Request status	ACCEPTED

Artifact Content

Description:

=====

The difference between LogicalSessionID and UBN and their use in messages are not properly described in the ICD.

Moreover, the consequences of defining LogicalSessionID are not mentioned.

Action to follow:

=====

The subject LogicalSessionID/UBN must be described more clearly in section 4.3. LOGICAL SESSION.

Action followed:

=====

<Interface Control Document> has been changed:

* Section 4.3. LOGICAL SESSION has been modified:

--> The text passage "In addition, the so-called Update Broadcast Number (UBN) exists, and is used for the unique identification of broadcasts" a In the broadcast message, LogicalSessionID was added "

--> Added a footnote "You will also find these "duplicates" of LogicalSessionIDs in the logging entries (see [C-LOG])."

Description:

=====

The difference between LogicalSessionID and UBN and their usage in the messages is not described comprehensively in the ICD.

Furthermore, the consequences of the definition of the LogicalSessionID are not mentioned.

Action(s) To Be Taken:

=====

The topic LogicalSessionID/UBN has to be described in section 4.3. LOGICAL SESSION more clearly.

Action(s) Taken:

=====

The <Interface Control Document> has been changed:

* The section 4.3. LOGICAL SESSION has been modified:

--> The text passage "In addition, the so-called Update Broadcast Number (UBN) exists, which is used to uniquely identify the broadcasts. In the broadcast message the LogicalSessionID ..." has been added.

--> Added a footnote "You will also find these "duplicated" LogicalSessionIDs in logging entries (see [C-LOG])."

SIC-1894 QA: (ICD2.7, SIC-1622) Various comments regarding the new CSNotification.DataConsistency

Attributes

Attribute	Value
-----------	-------

Artifact Type	Software Requirements
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Analyst	Caesar Ivana
Identifier	307
Request status	ACCEPTED

Artifact Content

Description

=====

Various observations regarding the changes made to CSNotification in DataConsistency:

1) DCNotificationOperationType values are specified differently in ICD and XSD ('Aborting' vs 'Aborted')

XSD: <xsd:enumeration value="Aborting"/>

ICD (in 6.1.8.4.2.3): "DataConsistency: notification of a data consistency event (Continuation, Aborted or Canceled)"

2) What is the difference between 'Canceled' and 'Aborting'? These terms are completely mixed throughout the ICD 2.7 and DataConsistency_v1.2 documents, for example section 5.2.13 of the ICD talks about the DD campaign that was canceled at time-out, while section 6.1.6.3 says that "the process is canceled". Do we really need separate states for 'Canceled'/'Aborted'? If so, they should be clearly defined.

3) The comment on DCNotificationType is not understandable:

"<<Description: This complex type contains information that is notified when an operation has or will take place on a Data Consistency.>>"

What does this mean? This type of commentary explains what is happening in a more complicated than simple way. The comment should be clear and simple. Maybe something like:

"The current status of the DC campaign on the CS side:

- 'Continuation' means CS...

- 'Aborting' means: the campaign has been canceled (as a result of ...)
- 'Canceled' means the campaign has been canceled (as a result of ...)"
4) The 'MessageName' element was added to CSNotification.DataConsistency to provide information about which NS message triggered an error. This element will keep the value at ST209_Operation type. But ST209 *does* uniquely identify the NS message in the DC process: there are usually more (than one) NS messages per ST209 value (see Figure 46 in ICD 2.7, page 90). So the goal of this change does not seem to have been achieved: NS will not be able to tell exactly which of its messages triggered the error.

Action to follow

=====

- modify CSNotification.xsd
- change the description of operations
- refactoring of the error cases (messageName)
- revise ICD for consistency with XSD

Action followed

=====

1. XSD : AlertDataTypes.xsd
 - change 'DCNotificationOperationType'. 'Abortion' to 'Aborted'
 - changing 'DCNotificationType'. 'Description' from 'Description: This complex contains information notified when an operation has or will take place on a Data Consistency.' to 'Description: This complex contains information, additional information about the current campaign. It may contain its current status, error information, summary report, ...'
 - renaming 'DCNotificationCampaignDataType'. 'MessageName' to 'DCNotificationCampaignDataType'. 'OperationInError'
2. ICD: chapter 6.1.8.4.2.3
 - description added to field 3 CSNotification.Notification.DataConsistency.Operation: "Continuation (the hash comparison is finished, we continue), Aborted (the campaign was canceled due to a problem) or Canceled (the campaign was canceled intentionally by the user or by central operator)"

Description

=====

Various remarks on the changes made to CSNotification in DataConsistency:

- 1) Values of DCNotificationOperationType are differently specified in ICD and XSD ('Aborting' vs 'Aborted')
XSD: <xsd:enumeration value="Aborting"/>
ICD (in 6.1.8.4.2.3): "DataConsistency: notification of a data consistency event (Continuation, Aborted or Canceled)"
- 2) What is the difference between 'Cancelled' and 'Aborting', by the way? These terms are completely mixed across ICD 2.7 and DataConsistency_v1.2 documents, for example section 5.2.13 of ICD speaks about DD campaign being canceled on time-out, while section 6.1.6.3 says that "process is aborted". Do we even need separate 'Canceled'/'Aborted' states? If so, they must be clearly defined.
- 3) Comment on DCNotificationType is not understandable:
"<<Description: This complex type contains the information notified when an operation has or will occur on a Data Consistency.>>"
What does that mean? This kind of comment makes understanding what's going on much harder rather than simpler. Please make it clear & simple. Maybe something like:
"Current state of DC campaign on CS side:
- 'Continuation' means CS ...
- 'Aborting' means the campaign has been aborted (as a result of ...)"

- 'Canceled' means the campaign has been canceled (as a result of ...)"
4) 'MessageName' element has been added to CSNotification.DataConsistency to provide information about which NS message triggered an error. This element will hold the value of ST209_Operation type. But ST209 does *not* uniquely identify NS message in DC process: there are usually more (than one) NS messages per ST209 value (see Figure 46 in ICD 2.7, page 90). So the goal of this change seems not reached: NS won't be able to tell exactly which of their messages triggered an error.

Action(s) to be taken

=====

- fix CSNotification.xsd
- change description for operations
- refactoring of the error cases (messageName)
- review ICD for consistency with XSD

Action(s) taken

=====

1. XSD : AlertDataTypes.xsd
 - changed 'DCNotificationOperationType'. 'Abortion' to 'Aborted'
 - changed 'DCNotificationType'. 'Description' from 'Description: This complex type contains the information notified when an operation has or will occur on a Data Consistency.' to 'Description: This complex type shares additional information about the current campaign. It can contain its current state, error information, summary report, ...'
 - renamed 'DCNotificationCampainDataType'. 'MessageName' to 'DCNotificationCampainDataType'. 'OperationInError'
2. ICD: chapter 6.1.8.4.2.3
 - added description of 3 CSNotification.Notification.DataConsistency.Operation field : "Continuation (hash comparison finished we continue), Aborted (campaign has been aborted due to an issue) or Canceled (campaign has been intentionally canceled by user or central operator) "

SIC-1869 Duplicate entry for Ireland in ST001_REQUESTINGUSER and ST211_TECHNICALUSER

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	The existing CS.SIS nomenclature in SINS will be updated accordingly and provided to the authorities.
Analyst	Caesar Ivana
Identifier	308
Request status	ACCEPTED

Artifact Content

Description:

=====
In SIC-1855 a new entry 0034 from Ireland was added to ST001_REQUESTINGUSER and ST211_TECHNICALUSER.

As a result there are now new entries for Ireland in this code table: 0026 and 0034.

A Quality Assurance comment from Unysis points this out and in fact it should be corrected.

Action to follow:

=====
Removes entry 00034 for Ireland from code table ST001.

Action followed:

=====
The SISII-ICD_CodeTables.xls document has been changed:

--> In the ST001_REQUESTINGUSER sheet, the value 0034 / Ireland has been removed.

--> In the sheet ST211_TECHNICALUSER the value 0034 / Ireland has been removed.

The XML files ST001_REQUESTINGUSER_v1.xml and ST211_TECHNICALUSER_v1.xml have been changed accordingly.

Description:

=====
In SIC-1855 a new 0034 entry for Ireland has been added to ST001_REQUESTINGUSER and ST211_TECHNICALUSER.

As a result there are now entries for Ireland in these code tables: 0026 and 0034.

A Quality Assurance comment from Unysis underlined that and as a matter of fact this should be corrected.

Action(s) To Be Taken:

=====
Remove the entry 00034 for Ireland from code table ST001.

Action(s) Taken:

=====
The document SISII-ICD_CodeTables.xls has been changed:

--> In the sheet ST001_REQUESTINGUSER the value 0034 / Ireland has been removed.

--> In the sheet ST211_TECHNICALUSER the value 0034 / Ireland has been removed.

SIC-1866 Need to improve DCIndexType description in XSD

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Impacted components	ISN, CS, CORE
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the

	case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Caesar Ivana
Identifier	309
Request status	ACCEPTED

Artifact Content

Description:

=====

If this is a removal of an entity in a list that has a DCIndex value, do the DCIndex values of the remaining entities keep their initial value or are they regenerated? for example, if an alert contains 3 entities with DCIndex 1,2, and 3. If entity with DCIndex 2 is removed, will the remaining entities keep their original DCIndex values, or will they now receive DCIndex 1 and 2? The advantage for keeping the existing index is: unaffected entities do not need to be updated in case any other entity (except the last entity in the list) is removed. Is there a plan to include such rules in the next ICD?

With what value should DCIndex start in a concrete list?

Action to follow:

=====

An improvement to the DCIndexType description in the CommonDataTypes.xsd is needed. In the description it must be clearly highlighted that in case of deletion the index will not be regenerated, the starting index is normally 0, but it can also be 1 and even any other starting value will work as long as each index value used is unique in the list frame.

Action followed:

=====

CommonDataTypes.xsd has been changed:

--> The description of DCIndexType has been modified.

Description:

=====

In case there is a deletion of an entity within a list that has a DCIndex value, will the DCIndex values of the remaining entities keep their original value or are they regenerated? For example, if an alert contains 3 entities with DCIndex 1,2, and 3. If the entity with DCIndex 2 is deleted, will the remaining entities keep their original DCIndex value, or will they now get DCIndex 1 and 2? The advantage for keeping the existing index is, the unaffected entities do not need to be updated in case any other entity (except the last entity in the list) is deleted. Is there a plan to include such rule in the next ICD release?

With what value should the DCIndex start in a concrete list?

Action(s) to be taken:

=====

An enhancement of the description of the DCIndexType in the CommonDataTypes.xsd is necessary. In the description it has to be pointed out clearly, that in case of deletion the index will not be regenerated,

the starting index is normally 0, but can also be 1 and even any other start value will work as long as every used index value is unique inside one list.

Action(s) taken:

=====

The CommonDataTypes.xsd has been changed:

--> The description of the DCIndexType has been modified.

SIC-1860 Take into account business rule B-SIS-R0036 in ICD

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Analyst	Alex Parincu
Identifier	310
Request status	ACCEPTED

Artifact Content

Description:

=====

Business rules B-SIS-R0036 must be taken into account in the ICD.

Action to follow:

=====

The business rules were added to the SISII-ICD-View-Business_Rules.xls document and for this it was necessary to create a new error code.

Action followed:

=====

The SISII-ICD-View-Business_Rules.xls document has been changed:

--> Rule B-SIS-R0036 was added to NSCreateAlert, NSUpdateAlert and NSChangeExpiryDateAlert.

The SISII-ICD_CodeTables.xls document has been changed:

* Added a new line to the ST204_ERRORCODE sheet

--> 5219 / 01 / The ExpiryDate is invalid. / 20060101 / 0004.01 / 0001.01

The SISII-ICD_BusinessRulesMapping.xls document has been changed:

* Added a new line to the AlertMaintenance sheet

--> Map rule B-SIS-R0036 in CreateAlert, UpdateAlert and ChangeExpiryDateAlert to error code 5219.

Description:

=====

The business rule B-SIS-R0036 has to be considered in the ICD.

Action(s) To Be Taken:

=====

The business rule has been added to the SISII-ICD-View-Business_Rules.xls document and there has to be created a new error code for that.

Action(s) Taken:

=====

The document SISII-ICD-View-Business_Rules.xls has been changed:

--> The rule B-SIS-R0036 has been added to NSCreateAlert, NSUpdateAlert and NSChangeExpiryDateAlert.

The document SISII-ICD_CodeTables.xls has been changed:

* Added a new row to the sheet ST204_ERRORCODE

--> 5219 / 01 / The ExpiryDate is invalid. / 20060101 / 0004.01 / 0001.01

The document SISII-ICD_BusinessRulesMapping.xls has been changed:

* Added a new row to the AlertMaintenance sheet

--> Map the rule B-SIS-R0036 in CreateAlert, UpdateAlert and ChangeExpiryDateAlert to the error code 5219.

SIC-1859 FlagHashType removed

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Alex Parincu
Identifier	311
Request status	ACCEPTED

Artifact Content

Description:

=====

FlagHashType is no longer used so it must be removed.

Actions to be taken

=====

Remove the FlagHashType from the XSD and all subsequent references to this type from the ICD.

Actions taken

=====

FlagDataType.xsd has been changed:

-> FlagHashType has been removed.

The document SISII-ICD_DataConsistency_AdditionalNotes.doc has been changed:

-> Section <2.2.4.2> Flag has been removed.

Description:

=====

The FlagHashType is not used anymore so it has to be removed.

Action(s) To Be Taken:

=====

Remove the FlagHashType out of the XSD and all further references to this type in the ICD.

Action(s) Taken:

=====

The FlagDataType.xsd has been changed:

--> The FlagHashType has been removed.

The document SISII-ICD_DataConsistency_AdditionalNotes.doc has been changed:

--> The section <2.2.4.2 Flag> has been removed.

SIC-1856 The FieldID element contains an incorrect description

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the

	changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Andrei Popovich
Identifier	312
Request status	ACCEPTED

Artifact Content

Description:

=====

These FieldID nodes contain incorrect descriptions.

NSProcessComparisonResult.Report.Data.ComparisonResultsEntries.CMP.CMPL.Discrepancies.Discrepancy.FieldID

NSProcessComparisonResult.Report.Data.ComparisonResultsEntries.CMP.CMPB.Discrepancies.Discrepancy.FieldID

The FieldID descriptions for these two nodes are "whole path xsd (in alertrestoredatatype.xsd) .

The XPath value for CMPL should be taken from linkrestoredatatype.xsd, and it is not clear from which schema the XPath for the CMPB node should be taken.

Actions to be taken:

=====

For FieldID in Link and Signaling we use the same type. The FieldID description must be modified. For binaries you will find all the information in AlertRestoreDataType.

Actions taken:

=====

CommonDataType.xsd has been changed.

* FieldDiscrepancyType.FieldID has been changed:

-> The description of this element has been changed.

Description:

=====

These FieldID nodes contain incorrect description.

NSProcessComparisonResult.Report.Data.ComparisonResultsEntries.CMP.CMPL.Discrepancies.Discrepancy.FieldID

NSProcessComparisonResult.Report.Data.ComparisonResultsEntries.CMP.CMPB.Discrepancies.Discrepancy.FieldID

The description of FieldID for these two nodes are "The whole xsd path (into alertrestoredatatype.xsd) name of the field whose value is incorrect..." The xpath value for CMPL should however be taken from linkrestoredatatype.xsd, and it is unclear where the xpath node for CMPB should be taken from.

Action(s) to be taken:

=====

For the FieldID in Link and Alert we use the same type. The description of the FieldID has to be modified. For binaries you find all information in the AlertRestoreDataType.

Action(s) Taken:

=====
The CommonDataType.xsd has been changed.
* The FieldDiscrepancyType.FieldID has been modified:
--> The description of this element has been changed.

SIC-1855 New entry in the code table for Ireland

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The existing CS.SIS nomenclature in SINS, which have such values, will be updated accordingly and provided to the authorities.
Priority	Average
Analyst	Alex Parincu
Identifier	313
Request status	ACCEPTED

Artifact Content

Description:

=====
Ireland will join the Schengen area as an integrated member state, that is, it will join SIS II after the system is operational.

Action to follow:

=====
An entry in the code table for Ireland is added to the ICD:
0034 / 02 / IRELAND / IE / 20060602

Action followed:

=====
The SISII-ICD_CodeTables.xls document has been changed:
* ST001_REQUESTINGUSER sheet has been changed:
-> The following mention was added:
0034 / 02 / IRELAND / IE / 20060602
* The table ST211_TECHNICALUSER has been modified:
-> Added the following mention:
0034 / 02 / IRELAND / IE / 20060602
The document ST001_REQUESTINGUSER_v1.xml has been updated:
-> In the input table a new code was added.
The ST211_TECHNICALUSER_v1.xml document has been updated:
-> In the input table a new code was added.

Description:

=====
Ireland will join Schengen as an integrated MS, ie they will join SIS II after going live of the system.
Action(s) To Be Taken:
=====

Add the following code table entry for Ireland to the ICD:
0034 / 02 / IRELAND / IE / 20060602
Action(s) Taken:
=====

The document SISII-ICD_CodeTables.xls has been changed:
* The sheet ST001_REQUESTINGUSER has been modified:
--> Added the following entry:
0034 / 02 / IRELAND / IE / 20060602
* The sheet ST211_TECHNICALUSER has been modified:
--> Added the following entry:
0034 / 02 / IRELAND / IE / 20060602
The document ST001_REQUESTINGUSER_v1.xml has been changed:
--> The new code table entry has been added.
The document ST211_TECHNICALUSER_v1.xml has been changed:
--> The new code table entry has been added.

SIC-1849 Add a note explaining that a BC can be processed before its own response

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Andrei Popovich
Identifier	314
Request status	ACCEPTED

Artifact Content

Description:

Due to the fact that the Broadcast message is moved to the Message Channel without ordering according to the Full Parallelization Broadcast specification, we send you Broadcasts and Responses through different channels. Therefore, it can no longer be ensured that the Broadcast will always be processed after the Response. This is the case because it depends on a lot of factors on the National side: the number of messages in the incoming NS queues, the processing speed of the incoming NS channels and its messages, ...

Actions to be taken:

Add Note to ICD explaining that a Broadcast message can be processed before its corresponding Reply message because they are now sent over different channels.

Actions taken:

The SISII-ICD.doc document has been changed:

* Point 6.1.8.1.1.2 the sequential diagram has been modified:

-> Added a note about CSCreateAlertResponse and subsequent CSBroadcast.

Description:

Due to the fact that the Broadcast message is moved to the Unordered Channel following the Broadcast Full Parallelization Whitepaper, we are sending the Broadcasts and Responses through different channels. Therefore it cannot be ensured anymore that the Broadcast will be processed always after the Response. This is the case because it will depend on a lot of factors on the National side: number of messages in the NS incoming queues, processing speed of the NS incoming channels and its messages, ...

Action(s) To Be Taken:

Add Note to the ICD explaining that a Broadcast message could be processed before its corresponding Response message because they are now sent through different channels.

Action(s) Taken:

The document SISII-ICD.doc has been changed:

* The section 6.1.8.1.1.2 Sequence diagram has been modified:

--> Added a note about CSCreateAlertResponse and subsequent CSBroadcast.

SIC-1846 Request to update the code tables for RequestingUser and TechnicalUser

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The existing CS.SIS nomenclature in SINS will be updated accordingly and provided to the authorities.

Priority	Average
Analyst	Alex Parincu
Identifier	315
Request status	ACCEPTED

Artifact Content

Description:

=====

Romania and Bulgaria want to connect to SISII for testing. For these countries there is still no value in the code tables: ST211_TECHNICALUSER and ST001_REQUESTINGUSER.

Action to follow:

=====

Update code tables ST001_REQUESTINGUSER and ST211_TECHNICALUSER with the following entries:

31 1 WW

32 1 XX

33 1 JJ

and

31 2 BG Bulgaria

32 2 Romania RO

33 2 LI Liechtenstein

Action to follow:

=====

The SISII-ICD_CodeTables.xls document has been changed:

* ST001_REQUESTINGUSER sheet has been changed:

-> Added the following values:

0031 W 01 W 20060101 20060101

0032 01 XX 20060101 20060101

0033 01 JJ 20060101 20060101

and

0031 02 Bulgaria BG 20060602

0032 02 Romania RO 20060602

0033 02 LI Liechtenstein 20060602

The table ST211_TECHNICALUSER has been modified:

-> Added the following values:

0031 02 BULGARIA 20060602

0032 02 ROMANIA 20060602

0033 02 LIECHTENST EIN 20060602

The document ST001_REQUESTINGUSER_v1.xml has been updated:

-> A new code was added to the table.

The ST211_TECHNICALUSER_v1.xml document has been updated:

-> A new code was added to the table.

Description:

=====

Romania and Bulgaria want to connect to SISII for testing. For those countries there is no code table

value yet in the ST211_TECHNICALUSER and ST001_REQUESTINGUSER.

Action(s) To Be Taken:

=====

Update code tables ST001_REQUESTINGUSER and ST211_TECHNICALUSER with the following entries:

31 1 WW

32 1 XX

33 1 JJ

and

31 2 Bulgaria BG

32 2 Romania RO

33 2 Liechtenstein LI

Action(s) Taken:

=====

The document SISII-ICD_CodeTables.xls has been changed:

* The sheet ST001_REQUESTINGUSER has been modified:

--> Added the following values:

0031 01 WW 20060101 20060101

0032 01 XX 20060101 20060101

0033 01 JJ 20060101 20060101

and

0031 02 Bulgaria BG 20060602

0032 02 Romania RO 20060602

0033 02 Liechtenstein LI 20060602

* The sheet ST211_TECHNICALUSER has been modified:

--> Added the following values:

0031 02 BULGARIA 20060602

0032 02 ROMANIA 20060602

0033 02 LIECHTENSTEIN 20060602

The document ST001_REQUESTINGUSER_v1.xml has been changed:

--> The new code tables have been added.

The document ST211_TECHNICALUSER_v1.xml has been changed:

--> The new code tables have been added.

SIC-1845 Combining criteria for queries

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes

	will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Analyst	Andrei Popovich
Identifier	316
Request status	ACCEPTED

Artifact Content

Description:

=====

Clarifications on queries regarding:

- Amnesty data and "unknown" fields
- SLA query
- The need for search criteria from a business point of view

Actions to be taken:

=====

The description of the queries in the XSDs needs to be changed. Moreover, there must be some changes in the ICD as well.

Actions taken:

=====

The SISII-ICD.doc document has been modified:

- * Description of section 6.1.8.5.1.3 XSD has been changed:
 - > Added a passage about the internal hard cap for inaccurate queries.

The SISII-ICD_CodeTables.xls document has been changed:

- * Added an entry in the ST204_ERRORCODE code table:
 - > 6012.01 internal hard cap has been reached. / 20060101 / 0004.01 / 0001.01

The SISII-ICD_BusinessRulesMapping.xls document has been changed:

- * Added entry to <ExecuteStandardQuery>
 - > OracleSqlException / INTERNAL_HARD_CAP_HAS_BEEN_REACHED / 6012.01

The AlertDataTypes.xsd schema has been modified:

- * Changing the complex type StandardPersonQueryType
 - > The description has been changed, the following queries have been removed:
 - Date of birth
 - FirstName

- * Modification of the StandardAircraftQueryType complex type
 - > Description has been changed, the following queries have been removed:
 - Category
 - Manufacturer (Make)
 - Model

- Country of registration + Manufacturer + Model + Category
- Categories + Colors
- Manufacturer+ Colors
- Model + Colors
- >The following search attributes have been removed:
 - Category
 - Country of registration
 - Manufacturer
 - Model
- * Modification of the StandardBanknoteQueryType complex type
 - > The description has been modified, the following queries have been removed:
 - Currency
 - FaceValue
 - > The following search attributes have been removed:
 - FaceValue
- * Changing the complex type StandardBlankDocumentQueryType
 - > The description has been modified, the following queries have been removed:
 - Category
 - Citizenship
 - Category + citizenship
- * Changed the complex type StandardBoatEngineQueryType
 - > The description has been modified, the following queries have been removed:
 - Category
 - Category + Manufacturer
- * Changed the StandardBoatQueryType complex type
 - >The description has been modified, the following queries have been removed:
 - Category + Manufacturer
 - > The following search attributes have been removed:
 - Manufacturer
- * Changing the complex type StandardContainerQueryType
 - > The description has been modified, the following queries have been removed:
 - Height + Length
 - > The following search attributes have been removed:
 - Height
 - Length
- * Changed the StandardFirearmQueryType complex type
 - > The description has been modified, the following queries have been removed:
 - Category + Caliber
 - Manufacturer + Caliber
 - Manufacturer + Category
 - Model + Caliber
- * Changing the complex type StandardIssuedDocumentQueryType
 - > The description has been modified, the following queries have been removed:
 - Document number 1+ Document nationality + Date of theft/loss
 - Date of theft/loss
 - Category + Document nationality + Date of theft/loss
 - > The following search attributes have been removed:
 - Date of theft/loss
- * Changing the complex type StandardLicencePlateQueryType complex type
 - > The description has been modified, the following queries have been removed:

- Country of registration
- Country of registration + Date of theft/loss
- > The following search attributes have been removed:
 - Date lost
- * Changing the complex type StandardSecurityQueryType
- > The description has been modified, the following queries have been removed:
 - Currency + Unit
 - Category
 - Currency + Currency category
 - Currency + Facevalue
 - Currency + FaceValue + Category
 - Currency + FaceValue + Unit
- > The following search attributes have been removed:
 - Unity
- * Changed the StandardVehicleQueryType complex type
- > The description has been modified, the following queries have been removed:
 - Manufacturer
 - Dude
- * Changed the complex type StandardVehicleRegistrationDocumentQueryType
- > The description has been modified, the following queries have been removed:
 - Nationality document

Description:

=====

Clarification on queries with respect to

- amnestied data and 'unknown' fields
- query SLA's
- necessity of search criteria from a business point of view

Action(s) To Be Taken:

=====

The description of the queries in the XSDs has to be changed. Furthermore there has to be some changes in the ICD.

Action(s) Taken:

=====

The document SISII-ICD.doc has been changed:

- * The section 6.1.8.5.1.3 XSD's description has been modified:

--> Added a passage about the internal hard cap for inaccurate queries.

The document SISII-ICD_CodeTables.xls has been changed:

- * Added an entry in code table ST204_ERRORCODE:

--> 6012.01 / Internal hard cap has been reached. / 20060101 / 0004.01 / 0001.01

The document SISII-ICD_BusinessRulesMapping.xls has been changed:

- * Added an entry to <ExecuteStandardQuery>

--> OracleSQLException / INTERNAL_HARD_CAP_HAS_BEEN_REACHED / 6012.01

The AlertDataTypes.xsd has been changed:

- * Change the complex type StandardPersonQueryType

--> The description has been modified, following queries have been removed:

- Date of Birth
- FirstName

- * Change the complex type StandardAircraftQueryType

--> The description has been modified, following queries have been removed:

- Categories
- Make
- Model
- Country of registration + Make + Model + Category
- Categories + Colors
- Make + Colors
- Model + Colors

--> The following search attributes have been removed:

- Category
- CountryOfRegistration
- Make
- Model

* Change the complex type StandardBanknoteQueryType

--> The description has been modified, following queries have been removed:

- Currencies
- FaceValue

--> The following search attributes have been removed:

FaceValue

* Change the complex type StandardBlankDocumentQueryType

--> The description has been modified, following queries have been removed:

- Category
- Nationality
- Category + nationality

* Change the complex type StandardBoatEngineQueryType

--> The description has been modified, following queries have been removed:

- Category
- Category + Make

* Change the complex type StandardBoatQueryType

--> The description has been modified, following queries have been removed:

- Category + Make

--> The following search attributes have been removed:

- Make

* Change the complex type StandardContainerQueryType

--> The description has been modified, following queries have been removed:

- Height + Length

--> The following search attributes have been removed:

- Height
- Length

* Change the complex type StandardFirearmQueryType

--> The description has been modified, following queries have been removed:

- Category + caliber of firearm
- Make + caliber of firearm
- Make + Category
- Model + caliber of firearm

* Change the complex type StandardIssuedDocumentQueryType

--> The description has been modified, following queries have been removed:

- Document number 1 + Nationality of document + dateOfTheftLossComplaintDeclaration
- dateOfTheftLossComplaintDeclaration
- Category of document + Nationality of document + dateOfTheftLossComplaintDeclaration

--> The following search attributes have been removed:

- DateOfTheftLossComplaintDeclaration

* Change the complex type StandardLicencePlateQueryType

--> The description has been modified, following queries have been removed:

- Country of registration
- Country of registration + Date of theft and loss

--> The following search attributes have been removed:

- DataOfTheftLoss

* Change the complex type StandardSecurityQueryType

--> The description has been modified, following queries have been removed:

- Currency + Unit
- Category
- Currency + Category
- Currency + Face value
- Currency + FaceValue + Category
- Currency + Face value + Unit

--> The following search attributes have been removed:

- United

* Change the complex type StandardVehicleQueryType

--> The description has been modified, following queries have been removed:

- Make
- Type

* Change the complex type StandardVehicleRegistrationDocumentQueryType

--> The description has been modified, following queries have been removed:

- Nationality of document

SIC-1844 The need to change chapter 9 ANNEXES LIST in the document SISII-ICD.doc

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol

	between SINS and SIB will be made available by STERIA.
Priority	Average
Analyst	Andrei Popovich
Identifier	317
Request status	ACCEPTED

Artifact Content

Description:

=====

Chapter 9 LIST OF APPENDICES in the document SISII-ICD.doc needs a change, because there is a new document (list of allowed characters) in the annexes.

Actions to be taken

=====

Chapter 9 LIST OF APPENDICES in the document SISII-ICD.doc must be modified.

Actions taken:

=====

Chapter 9 LIST OF APPENDICES in the document SISII-ICD.doc has been modified.

Description:

=====

The Chapter 9 ANNEXES LIST in the document SISII-ICD.doc needs a modification, because there is a new document (list of allowed characters) in the annexes.

Action(s) To Be Taken:

=====

The Chapter 9 ANNEXES LIST in the document SISII-ICD.doc has to be modified.

Action(s) Taken:

=====

The Chapter 9 ANNEXES LIST in the document SISII-ICD.doc has been modified.

SIC-1838 Inappropriate wording in chapter 6.1.8.6 Data Consistency

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over

	as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Andrei Popovich
Identifier	318
Request status	ACCEPTED

Artifact Content

Description:

=====

6.1.8.6.1: "Such a request [for DC-Data Consistency] can be issued by a NS (National System) or CS (Central System). The mechanism for issuing the request for DC by the CS is not described here because it does not involve an exchange of messages between the NS and CS locations."

Of course, the Data Consistency process will involve the exchange of messages between NS and CS, regardless of the party initiating the exchange. What would be the alternative to this mechanism?

Actions to be taken:

=====

The sentence must be removed because it is not correct.

Actions taken:

=====

<Interface Control Document>(SINS-ICD) has been modified.

* The sentence "The mechanism for issuing the DC request by the CS is not described here because it does not involve an exchange of messages between the NS and CS locations." from point 6.1.8.6.1 was eliminated.

Description:

=====

6.1.8.6.1: "Such request [for DC] can either be issued by a NS or the CS. The latter is not described here as it does not imply a message exchange between the NS and CS sites"

Of course Data Consistency process will involve message exchange between NS and CS regardless of the initiating party. How could that work otherwise?

Action(s) To Be Taken:

=====

The sentence has to be removed, because it is not correct.

Action(s) Taken:

=====

The <Interface Control Document> has been changed.

* The sentence "The latter is not described here as it does not imply a message exchange between the NS and CS sites" in section 6.1.8.6.1 has been removed.

SIC-1834 Remove unused data types in XSDs

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Analyst	Alex Parincu
Identifier	319
Request status	ACCEPTED

Artifact Content

Description:

=====

Due to various changes in XSD in the past, we have some data types in XSDs that are no longer used. To simplify the XML schema they should be removed.

Actions to follow:

=====

The following (global) data types defined in XSDs are not (directly or indirectly) used by any of the CS / NS messages:

In CommonDataTypes.xsd:

NameFreeTextRD, LinkIDIndexType

In AlertDataTypes.xsd:

MisusedIdentityExtensionCompPutType, MisusedIdentityPicturePutType,
MisusedIdentityPictureBroadcastType, TrackingIDType, DocumentSynopsisType

In FlagDataTypes.xsd:

FlagRestoreType, FlagDataType, ExtractionDataFlagType, FlagRestoreOperation,

ComparisonResultsFlagType, SnapshotDataFlagType
Actions to follow:

=====

The CommonDataTypes.xsd has been modified:

* The following types have been removed:

--> NameFreeTextRD, LinkIDIndexType

The AlertDataTypes.xsd has been modified:

* The following types have been removed:

MisusedIdentityExtensionCompPutType, MisusedIdentityPicturePutType,
MisusedIdentityPictureBroadcastType, TrackingIDType, DocumentSynopsisType

The FlagDataTypes.xsd has been modified:

* The following types have been removed:

--> FlagRestoreType, FlagDataType, ExtractionDataFlagType, FlagRestoreOperation,
ComparisonResultsFlagType, SnapshotDataFlagType

Description:

=====

Due to various changes in the XSD in the past we have some data types in the XSDs which are not used anymore. For simplification of the XML schema they should be removed.

Action(s) To Be Taken:

=====

Following (global) data types defined in XSDs are not (directly or indirectly) used by any of CS/NS messages:

In the CommonDataTypes.xsd:

NameFreeTextRD, LinkIDIndexType

In the AlertDataTypes.xsd:

MisusedIdentityExtensionCompPutType, MisusedIdentityPicturePutType,
MisusedIdentityPictureBroadcastType, TrackingIDType, DocumentSynopsisType

In the FlagDataTypes.xsd:

FlagRestoreType, FlagDataType, ExtractionDataFlagType, FlagRestoreOperation,
ComparisonResultsFlagType, SnapshotDataFlagType

Action(s) Taken:

=====

The CommonDataTypes.xsd has been changed:

* The following types have been removed:

--> NameFreeTextRD, LinkIDIndexType

The AlertDataTypes.xsd has been changed:

* The following types have been removed:

MisusedIdentityExtensionCompPutType, MisusedIdentityPicturePutType,
MisusedIdentityPictureBroadcastType, TrackingIDType, DocumentSynopsisType

The FlagDataTypes.xsd has been changed:

* The following types have been removed:

--> FlagRestoreType, FlagDataType, ExtractionDataFlagType, FlagRestoreOperation,
ComparisonResultsFlagType, SnapshotDataFlagType

SIC-1809 SIC-1748 Situation with many discrepancies

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Impacted components	CORE, BD
Priority	low
Impacted modules	CONSISTENCY
Analyst	Alex Parincu
Identifier	320
Request status	ACCEPTED

Artifact Content

Description:

=====

When an over-limit situation is reached (too many discrepancies) an error code is returned to the National System. However, the complete list of discrepancies will be stored in the central database. Restoration will have to be done by using a Data Dump if such a situation could happen.

More information on this topic can be found in the DC (Data Consistency) article in chapter 4.2.3.

Actions to follow:

=====

- The consequent update of the ICD (new chapter DC)

Actions followed:

=====

1. Annex DataConsistency-AdditionalNotes.doc

| - Added chapter 11. NOTES 10: OVER-LIMIT SITUATION

Description:

=====

When reaching an over-limit situation (too many discrepancies) and error code is returned to the National System. However, the full list of discrepancies will be stored in the Central Database. The restoration will have to be done by using a Data Dump if such a situation might happen.

More information regarding this subject can be found in the DC whitepaper in chapter 4.2.3.

Action(s) To Be Taken:

=====

- update the ICD accordingly (new DC chapter)

Action(s) Taken:

=====

1. Annex DataConsistency-AdditionalNotes.doc

| - added chapter 11. NOTE 10: OVER-LIMIT SITUATION

SIC-1808 SIC-1748 Campaign management

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Impacted components	ISN, CORE, BD
Impacted modules	NOTIFICATIONS
Analyst	Alex Parincu
Identifier	321
Request status	ACCEPTED

Artifact Content

Description:

=====

After canceling a campaign a notification should be sent to officially alert the National System of the cancellation of one of its campaigns.

Actions to follow:

=====

- Updated the ICD to explain how to cancel

- Updating XSD for notification so that it can alert a national system of a canceled campaign

Actions to follow:

=====

1. AlertDataTypes.xsd was modified in XSD:

| - In DCNotificationOperationType: "Canceled" option was added

Chapter 6.1.8.4.2.3 Description of the XSD was modified in the ICD:

| - Added "(Continuation, Aborted or Canceled)," after "DataConsistency: notification of a data consistency event"

Description:

=====

After cancellation of a campaign a notification should be sent to officially warn the National System of the cancellation of one of its campaigns.

Action(s) To Be Taken:

=====

- update of the ICD to explain how to cancel
- update XSD for notification to be able to warn a National System of a canceled campaign

Action(s) Taken:

=====

1. XSD amended AlertDataTypes.xsd:

| - DCNotificationOperationType: added enumeration option "Canceled"

2. ICD amended chapter 6.1.8.4.2.3 XSD's description:

| - added "(Continuation, Aborted or Canceled)" after "a DataConsistency: notification of a data consistency event"

SIC-1796 SIC-1748 Refinement for Qualification Modifiers

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Impacted components	ISN, CS, CORE
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Andrei Popovich
Identifier	322

Request status	ACCEPTED
----------------	----------

Artifact Content

Description:

=====

The current set of skill modifiers is quite complex and ambiguous. Many possible combinations induce the following:

- Complex code structure; eg: low maintainability;
- Inefficient retrieval mechanism; not all combinations can be optimized.

Therefore, a simpler structure of these skill modifiers will be introduced. Additional information can be found in the specification, chapter in "Refinement of the QualifierModifiers"

(ref 4.1.2)

Actions to be taken:

=====

- Update modifiers in the documentation
- Update in the QualifierModifierType CommonDataTypes.xsd schema of the QualifierModifierType complex type

Actions taken:

=====

1. XSD: CommonDataTypes.xsd was changed; modified QualifierModifierType :
 - | - UBNRangeType containing StartUBN and EndUBN was introduced
 - | - Removed "Articles" modifier

Description:

=====

The current set of qualifier modifiers are quite complex and ambiguous. Many possible combinations induce the following:

- Complex structure of the code; ie low maintainability;
- Inefficient retrieval mechanism; all combinations cannot be optimized.

Therefore, a simpler structure of these qualifier modifiers will be introduced. Additional information can be found in the whitepaper in chapter 'Refinement of the QualifierModifiers' (ref 4.1.2)

Action(s) To Be Taken:

=====

- Update the modifiers in the documentation
- Update in the CommonDataTypes.xsd the complex type QualifierModifierType

Action(s) Taken:

=====

1. XSD: amended CommonDataTypes.xsd ; changed type QualifierModifierType:
 - | - introduced UBNRangeType containing StartUBN and EndUBN
 - | - removed Articles modifier

SIC-1794 Validity of code tables

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Priority	Average
Impacted modules	CODE TABLES
Analyst	Alex Parincu
Identifier	323
Request status	ACCEPTED

Artifact Content

Description:

=====

By reading the following requirement it can be concluded that when updating the value of an alert, old values can remain, but when creating a new alert, expired values cannot be used

SIS-R0727 Code Tables: Period of validity

Status: Int. Approved

Package: VersioningOfCodeTables

- Entries in the Code table may have a limited validity period.
- The validity period is specified with a start date and an end date. Both dates can be checked to decide whether an entry is still valid or not.
- National Systems must check if an entry can be used to save the data. For example, suppose that the code table "Schengen Member States" contains the entry "Turkey", with the validity period starting from January 1, 2010. We assume that the system stores a Schengen state that receives a visa application in the "Applied to" attribute. Then this attribute should not be populated with a "Turkey" code table entry before January 1, 2010.
- Expired codes must be left available to be able to correctly display the data related to such records. An entry is expired if it can no longer be used to save data.
- If an attribute is already filled with an expired entry, then this entry must be displayed. However, to modify this field, only currently valid entries must be used. This verification is the responsibility of each user. It is also possible to leave the content of such a field unchanged and save it with its previous value. But in the current implementation Expired data (eg: dd/mm/yyyy) can be used to create an alert.

Actions to follow:

=====

A new business rule B-SIS-R0730 should be added to the ICD in the relevant documents.

Action to follow:

=====

* The SISII-ICD-View-Business_Rules.xls document has been modified:
--> Rule B-SIS-R0730 was added.
* The SISII-ICD_CodeTables.xls document has been modified.
--> We add a new entry code in the code table to ST204: 5216/01/Invalid code table entry used./20060101/0004.01(0001.01
* The SISII-ICD_BusinessRulesMapping.xls document has been modified:
--> Changed the table <AlertMaintenance> by adding rule B-SIS-R0730 in CreateAlert and ExtendAlert.
* ST204_ERRORCODE_v1.xml document has been changed:
--> A new entry 5216.01 was added.

Description:

=====

Reading from this requirement the conclusion one can draw from this requirement is that, when updating an alert, old values can remain but when creating a new alert, outdated values cannot be used.

SIS-R0727 Code Tables: Period of validity

Status: Int. Approved

Package: VersioningOfCodeTables

- Code table entries can have a limited period of validity.
- The validity period is specified by a start and an end date. Both dates can be checked against while deciding whether an entry is still valid or not.
- The national systems must check whether an entry can be used to save data. For example, assume that the code table "Schengen Member States" contains the entry "Turkey", with the validity period starting from the first of January 2010. Supposing the system stores the Schengen state receiving a visa application within the attribute "Applied to" . Then this attribute should not be filled with the code table entry "Turkey" before January the 1st, 2010.
- Outdated codes must be left available to be able to correctly display data referring to such entries. An entry is outdated if it cannot be used to save data anymore. These entries can only be used to display existing data.
- If an attribute is already filled with an outdated table entry then this entry should be displayed. However, to change this field, only currently valid entries should be used. This check lies within the responsibility of each user. It is also possible to leave the content of such a field unchanged and save it with its previous value.

But in the current implementation outdated data can be used for alert creation.

Action(s) To Be Taken:

=====

The new business rule B-SIS-R0730 should be added to the ICD in the relevant documents.

Action(s) Taken:

=====

* The document SISII-ICD-View-Business_Rules.xls has been changed:
--> Adding the rule B-SIS-R0730.
* The document SISII-ICD_CodeTables.xls has been changed.
--> Adding a new code table entry at ST204: 5216/01/Invalid code table entry used./20060101/0004.01(0001.01
* The document SISII-ICD_BusinessRulesMapping.xls has been changed:
--> Modified the sheet <AlertMaintenance> by adding the rule B-SIS-R0730 to CreateAlert and ExtendAlert.
* The document ST204_ERRORCODE_v1.xml has been changed:

--> Added the new entry 5216.01.

SIC-1791 Fields and lists relative to "Technical note" (Technical memo) not linked

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Analyst	Alex Parincu
Identifier	324
Request status	ACCEPTED

Artifact Content

Description:

=====

The decision outside the technical note "Unbound fields and lists" must be implemented in the ICD.

Action to follow:

=====

The ICD is modified regarding "unbound fields and lists".

Action to follow:

=====

The SISII-ICD.doc document has been modified:

* Chapter 6.1.8 OPERATIONS DETAILED DESIGN has been modified:

--> Added a sentence related to DTS, regarding free values from XSDs

The SISII-ICD-View-Business_Rules.xls document has been modified:

--> Added rule B-SIS-R0731 in "CreateAlert" and "UpdateAlert".

The SISII-ICD_CodeTables.xls document has been modified:

* New entries were added to the ST204_ERRORCODE code table

--> 5217.01 /Each code table entry could only be used once in the field. / 20060101 / 0004.01 / 0001.01

The SISII-ICD_BusinessRulesMapping.xls document has been modified:

--> In the <AlertMaintenance> tab, the business rule B-SIS-R0731 was added to "CreateAlert" and "Update Alert".

The ST204_ERRORCODE_v1.xml document has been modified:

--> Entry 5217.01 was added to the code table.

Description:

=====

The decision out of the technical memo "Unbound fields and lists" has to be implemented in the ICD.

Action(s) To Be Taken:

=====

Amend the ICD regarding the "unbound fields and lists".

Action(s) Taken:

=====

The document SISII-ICD.doc has been changed:

* The chapter 6.1.8 OPERATIONS DETAILED DESIGN has been modified:

--> Added a sentence which refers to the DTS regarding the unbound values in the XSDs.

The document SISII-ICD-View-Business_Rules.xls has been changed:

--> Added the rule B-SIS-R0731 to "CreateAlert" and "UpdateAlert".

The document SISII-ICD_CodeTables.xls has been changed:

* Added a new entry to the code table ST204_ERRORCODE

--> 5217.01 / Each entry of a code table could be used only once in a code table based field. / 20060101 / 0004.01 / 0001.01

The document SISII-ICD_BusinessRulesMapping.xls has been changed:

--> On the sheet <AlertMaintenance> the business rule B-SIS-R0731 has been added to "CreateAlert" and "Update Alert".

The document ST204_ERRORCODE_v1.xml has been changed:

--> Added the code table entry 5217.01.

SIC-1786 The "ConsultDataAccessLog" service is to be removed

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be determined in accordance with the decisions taken on DTS.isn, cs,
Priority	tall
Analyst	Andrei Popovich
Identifier	325

Request status	ACCEPTED
----------------	----------

Artifact Content

Description:

=====

The "ConsultDataAccessLog" service will be removed

Actions to be taken:

=====

All text passages about the Data Access Log are removed in the ICD, also the messages to access the data access log and the entire service for it.

Actions taken::

=====

* The SISII-ICD.doc document has been modified:

-> Section 3.2.2.2.6.1 Logs [C-LOG], [C-HL] has been modified:

The reference in the data access log has been removed.

-> Section 6.1.8.9.2 <<OPERATION>> CONSULTDATAACCESSLOG has been deleted.

* CSConsultDataAccessLog.xsd and NSConsultDataAccessLog.xsd messages have been deleted.

-> NSConsultDataAccessLog.xsd and CSConsultDataAccessLog.xsd removed.

* The SISII-ICD-View-Business_Rules.xls document has been modified:

-> Rule SIS-R5728 has been removed.

-> The "CONSULTDATAACCESSLOG" column has been removed.

* The SISII-ICD_BusinessRulesMapping.xls document has been modified:

-> On the <Logging> sheet I removed all entries for <ConsultDataAccessLog>.

Description:

=====

The "ConsultDataAccessLog" service shall be removed.

Action(s) To Be Taken:

=====

All text passages about Data Access Log shall be removed in the ICD also the messages for accessing the data access log and the whole service for that.

Action(s) Taken:

=====

* The document SISII-ICD.doc has been changed:

--> Section 3.2.2.2.6.1 Logs [C-LOG], [C-HL] has been changed:

The reference to the data access log has been removed.

--> Section 6.1.8.9.2 << OPERATION >> CONSULTDATAACCESSLOG has been deleted.

* The messages CSConsultDataAccessLog and NSConsultDataAccessLog.xsd have been deleted.

--> NSConsultDataAccessLog.xsd and CSConsultDataAccessLog.xsd removed.

* The document SISII-ICD-View-Business_Rules.xls has been changed:

--> The rule SIS-R5728 has been removed.

--> The "CONSULTDATAACCESSLOG" column has been removed.

* The document SISII-ICD_BusinessRulesMapping.xls has been changed:

--> On the sheet <Logging> we removed all entries for <ConsultDataAccessLog>.

SIC-1784 The business rules document must be replaced by an excel file with mapping

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Documentation requirements from CS.SIS. SINS does not apply
Priority	low
Analyst	Andrei Popovich
Identifier	326
Request status	ACCEPTED

Artifact Content

Description:

=====

The word document "SISII-business_rules.doc" will be replaced by an Excel sheet. This will only indicate the mapping between the business rule number and the central services. Thus, there will be only one repository where all business rules are described in detail, which can be found in the functional DTS document.

The new document will be called "SISII-ICD-View-Business_Rules.xls".

Actions to be taken:

=====

Convert the Word document into an Excel table that only shows the mapping between the business rule number and the central services in a matrix view.

Actions taken:

=====

The table was generated and the Word document was removed. The new table was named "SISII-ICD-View-Business_Rules.xls".

Description:

=====

The word document "SISII-business_rules.doc" shall be replaced by an excel sheet. It shall only show the mapping between the business rule number and central services. Thus there will be only one repository where all business rules are described in detail which can be found in the functional DTS.

The new document shall be named "SISII-ICD-View-Business_Rules.xls".

Action(s) To Be Taken:

=====

Convert the word document into an excel table which just shows the mapping between business rules and central services in a matrix view.

Action(s) Taken:

=====

The table has been generated and the word document has been removed. The new table has been named "SISII-ICD-View-Business_Rules.xls".

SIC-1782 SIC-1748 Introduction of a new modifier: TrackingID

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Analyst	Andrei Popovich
Identifier	327
Request status	ACCEPTED

Artifact Content

Description:

=====

TrackingID will be introduced as a new modifier. With this modifier a Member State can initiate a Data Dump(DD) on all discrepancies found and stored during a previous Data Consistency Check (DCC) campaign.

More information on this can be found in the DCC specification in chapter 4.3.2.

Actions to be taken:

=====

- Update the XSD schema to add this new modifier.
- Usage information is added to the ICD

Actions taken:

=====

1. CodeTables

---> Added ST204_ERRORCODE "6216.01", "trackingID unknown modifier."

2. XSD: AlertDataTypes.xsd and CommonDataTypes.xsd

---> Moved "TrackingIDType" from alertDataTypes.xsd to commonDataTypes.xsd
3. XSD: NSScheduleDataDump.xsd
---> Added "TrackingID" type modifier "TrackingIDType" to DiscreteModifiers

Description:

TrackingID will be introduced as a new modifier. With this modifier the Member State can initiate a Data Dump on all discrepancies found and stored during a previous Data consistency Check campaign. More information regarding this can be found in the DC white paper in chapter 4.3.2.

Action(s) To Be Taken:

- update the XSD to add this new modifier
- add usage information in the ICD

Action(s) Taken:

1. CodeTables
---> added ST204_ERRORCODE "6216.01" "Unknown TrackingID modifier."
2. XSD: AlertDataTypes.xsd and CommonDataTypes.xsd
---> moved "TrackingIDType" from alertDataTypes.xsd to commonDataTypes.xsd
3. XSD: NSScheduleDataDump.xsd
---> added "TrackingID" Modifier of type "TrackingIDType" to the DiscreteModifiers

SIC-1781 SIC-1748 Parallel processing of data consistency campaigns

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Impacted components	CORE, BD
Priority	low
Analyst	Alex Parincu
Impacted modules	CONSISTENCY
Identifier	328
Request status	ACCEPTED

Artifact Content

Description:

=====

Following the discussions on Data Consistency, we want to hold several campaigns in parallel. There will be 3 types of campaigns running in parallel, the first will be the small and fast campaigns in the queue for each user (Data Consistency Checks). Secondly, we have other high-potential campaigns (Data Consistency Check and Data Dump), scheduled on an execution queue shared between all users.. Coherence). Finally there is the Monthly Check initiated by the central system. This will also be managed globally and scheduled on a waiting list shared by all users.

More details can be found in chapter 4.4 of the DC specification

Actions to follow:

=====

- We are eliminating the current "limitation" mechanism (credits)
- Add new ICD agreement mechanism
- Describe what will happen exactly for each case.

Actions to follow:

=====

1. DataConsistency-AdditionalNotes Annex

| - Added chapter "11. NOTE 9: PARALLEL PROCESSING OF DC" explaining how campaign programming will be handled on the CS side.

2. attach CodeTables.xls and CodeTables.log

- | - Added ST204: "6214.01" "Too many campaigns scheduled for this user."
- | - Added ST204: "6215.01" "User locked following an over-limit situation."
- | - Deleted ST204: "6203.01" "User does not have enough credit."

Description:

=====

Following the workshops on Data Consistency, we have to handle several campaigns in parallel. There will be 3 types of campaigns running in parallel, first there will be the small and fast campaigns queued per user separately (Data Consistency Checks). Secondly we have the other potentially big campaigns (Data Consistency Check and Data Dump) scheduled on an execution queue shared between all users. Finally there is the Monthly Check initiated by the Central System. This will also be managed globally and will be scheduled on a queue shared by all users.

More detailed information can be found in the DC whitepaper in chapter 4.4

Action(s) To Be Taken:

=====

- remove current 'limitation' mechanism (credits)
- add new agreed mechanism to the ICD
- Describe what exactly will happen in each case.

Action(s) Taken:

=====

1. Annex DataConsistency-AdditionalNotes

| - added chapter "11. NOTE 9: PARALLEL PROCESSING OF DC" explaining how the scheduling of the campaigns will be handled on CS side.

2. annex CodeTables.xls and CodeTables.log

- added ST204 : "6214.01" "Too many campaigns scheduled for this user."
- added ST204 : "6215.01" "User locked following an over-limit situation."
- removed ST204 : "6203.01" "User does not have enough credit."

SIC-1780 SIC-1748 Splitting a Data Dump into self-contained reports

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CORE, BD
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Priority	low
Impacted modules	CONSISTENCY, CODE TABLES
Analyst	Alex Parincu
Identifier	329
Request status	ACCEPTED

Artifact Content

Description:

=====

Currently, the Data Dump process is one of the big sequential processes. There is a complete extraction phase; after everything is extracted the transfer can start and only after everything is transferred can the application start on the national side. This is not an efficient way to store large chunks of data and is also very prone to errors. As such 'dividing into independent reports' will improve this process.

The idea is to generate standalone reports with only part of the dataset in them (by category). As soon as an independent report has been generated, the transfer and application can begin in this subset of the Data Dump. Even if other parts still need to be extracted.

Detailed information can be found in chapter 4.3.5 of the DC specification.

Action to follow:

=====

- We modify the ICD to reflect these changes.
- Modification of existing XSDs
- Creation of a new operation and a new XSD for ListDataDumpReports

Action to follow:

- =====
1. ICD: chapter 6.1.8.6.7.3 the description of the XSD was changed
 - replace "Dumped items - Alerts (with Flags) and Links" with "Dumped items - Alerts (with Flags), Links or Binaries (only 1 type of entity per report)"
 2. ICD: chapter 5.2.13 was modified
 - We modify figure 49: - Restore national copy via data dump
 - the explanatory note for figure 49 was added
 3. XSD: general
 - CSListDataDumpReports.xsd was created
 - created NSListDataDumpReports.xsd
 4. XSD: CSApplyDataDumpReport.xsd
 - delete "Request", the "Modifiers" field (moved to CSListDataDumpReports.xsd)
 - "Request"."EntityType" of type "EntityReportType" was added
 5. XSD: CommonDataTypes.xsd
 - added "ReportEntityType" enumeration containing { Alert, Link, Binary }
 - added the complex type "DataDumpAlertBoundsType" containing "StartSchengenID" and "EndSchengenID", both of the type "sisdt:SchengenIDType"
 - added the complex type "DataDumpBinaryBoundsType" containing "StartBinaryID" and "EndBinaryID" both of the type "sisdt:CommonBinaryIDType"
 - added the complex type "DataDumpLinkBoundsType" containing "StartLinkID" and "EndLinkID" both of type "sisdt:LinkIDType"
 - added complex type "DataDumpBinaryRangeType" containing "StartBinaryID" and "EndBinaryID" both of type "sisdt:CommonBinaryIDType"
 - changed "DataDumpModifierChoiceType"."RangeModifier" which includes "dataDumpBinaryRange" of type "sisdt:DataDumpBinaryRangeType"/>
 - changed "DataDumpModifierChoiceType"."DiscreteModifier" which includes "BinaryIDsToCompare" with the sequence "sisdt:BinaryIDToCompareType"/>
 6. XSD: NSApplyDataDumpReport.xsd
 - the "ReportID" field of the "sisdt:ReportIDType" type was added to the Response
 7. XSD AlertDataTypes.xsd
 - deleted "NationalTrackingIDType"
 - deleted "ComparisonNSMetaDataTypes"
 8. Annex: Codetable.xls
 - added 0039.01 ListDataDumpReports to ST209_OPERATION
 - 9 ICD: chapter 5.2.10 Get Report Communication case
 - added Note for DataDump Report Splitting explaining that the splitting report does not apply to the Data Dump report and tells how they will be split.
 10. ICD: chapter 6.1.1, chapter 6.1.2, chapter 6.1.4, chapter 6.1.5, chapter 6.2.2
 - "ListDataDumpReports" operation was added
 11. ICD chapter 6.1.5
 - added CSListDataDumpReports and NSListDataDumpReports messages in the matrix.
 12. ICD we modify chapter 6.1.8.6.7
 - to consider reportBounds
 13. We add the ListDataDumpReports operation to chapter 6.1.8.6.8
 14. Annex: SISII-ICD_Communication_Use_Cases.xls was modified
 - added step ListDataDumpReports (use case) "RestoreNationalCopyViaDDump"
 15. Appendix SISII-ICD_MandatoryOptionalServices.xls
 - the ListDataDumpReports operation was added
 16. Appendix SISII-ICD_UC_Mapping.xls
 - the ListDataDumpReports operation was added

Description:

=====

Currently the Data Dump process is one big sequential process. There is the complete extraction phase, after everything is extracted the transfer can be started and only after everything has been transferred, the application can start on the National side. This is not an efficient way of dumping big chunks of data and is also very error prone. Therefore 'splitting of the dump into standalone reports' will improve this process by a lot.

The idea is to generate standalone reports with only a portion of the data set in them (per category). As soon as a standalone report has been generated, the transfer and application can start on this subset of the Data Dump. Even if other parts still have to be extracted.

Detailed information can be found in the white paper on DC in chapter 4.3.5.

Action(s) To Be Taken:

=====

- Update the ICD to reflect this change.
- Update the existing XSDs
- Create new operation and new XSD for ListDataDumpReports

Action(s) Taken:

=====

1. ICD: amended chapter 6.1.8.6.7.3 XSD's description
 - replaced "Dumped items - Alerts (with Flags) and Links" to "Dumped items - Alerts (with Flags), Links or Binaries (only 1 type of entity per report)"
2. ICD: amended chapter 5.2.13
 - Updated figure 49: - Restore national copy via data dump
 - added explanatory note for figure 49
3. XSD: general
 - created CSListDataDumpReports.xsd
 - created NSListDataDumpReports.xsd
4. XSD: CSApplyDataDumpReport.xsd
 - removed "Request"."Modifiers" field (moved to CSListDataDumpReports.xsd)
 - added "Request"."EntityType" of type "EntityReportType"
5. XSD: CommonDataTypes.xsd
 - added "ReportEntityType" enumeration containing {Alert, Link, Binary}
 - added complex type "DataDumpAlertBoundsType" containing "StartSchengenID" and "EndSchengenID" both of type "sisdt:SchengenIDType"
 - added complex type "DataDumpBinaryBoundsType" containing "StartBinaryID" and "EndBinaryID" both of type "sisdt:CommonBinaryIDType"
 - added complex type "DataDumpLinkBoundsType" containing "StartLinkID" and "EndLinkID" both of type "sisdt:LinkIDType"
 - added complex type "DataDumpBinaryRangeType" containing "StartBinaryID" and "EndBinaryID" both of type "sisdt:CommonBinaryIDType"
 - amended "DataDumpModifierChoiceType"."RangeModifier" to include "dataDumpBinaryRange" of type "sisdt:DataDumpBinaryRangeType"/>
 - amended "DataDumpModifierChoiceType"."DiscreteModifier" to include "BinaryIDsToCompare" with sequence of "sisdt:BinaryIDToCompareType"/>
6. XSD: NSApplyDataDumpReport.xsd
 - added field "ReportID" of type "sisdt:ReportIDType" to the Response
7. XSD AlertDataTypes.xsd

- removed "NationalTrackingIDType"
- removed "ComparisonNSMetaDataType"
- 8. Annex: Codetable.xls
- added 0039.01 ListDataDumpReports to ST209_OPERATION
- 9 ICD: chapter 5.2.10 Get Report Communication case
- added Note for DataDump Report Splitting explaining that the report splitting doesn't apply to Data Dump reports and quickly say how these will be split.
- 10. ICD: chapter 6.1.1, chapter 6.1.2, chapter 6.1.4, chapter 6.1.5, chapter 6.2.2
- added operation "ListDataDumpReports"
- 11. ICD chapter 6.1.5
- added CSListDataDumpReports and NSListDataDumpReports messages to the matrix
- 12. ICD update chapter 6.1.8.6.7
- to take the reportBounds into account
- 13. Addition of chapter 6.1.8.6.8 operation ListDataDumpReports
- 14. Annex: updated SISII-ICD_Communication_Use_Cases.xls
- added step ListDataDumpReports to sheet (use case) "RestoreNationalCopyViaDDump"
- 15. Annex SISII-ICD_MandatoryOptionalServices.xls
- added ListDataDumpReports operation
- 16. Annex SISII-ICD_UC_Mapping.xls
- added ListDataDumpReports operation

SIC-1779 SIC-1748 Online Datadump Process

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Impacted components	ISN, CORE, BD
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Impacted modules	CONSISTENCY, CODE TABLES
Analyst	Alex Parincu
Identifier	330
Request status	ACCEPTED

Artifact Content

Description:

=====

Because the Data Dump will be a service usable by SISII, it must become an online process. To achieve this, we need to make certain changes to the report that contains the data. First of all, we need to add the UBN to the report. With this, the National System will know if the value stored locally is newer or older than the values present in the report.

Second, the operation must be added to each entity:: create/update as 1 implicit operation that creates the entity if it does not exist yet or modifies it if it exists in the national copy. The 'Delete' operation can only be used if the central system knows exactly what needs to be deleted (following a DCC over-limit situation) or after a list of Discrete Modifiers because there is no checked phase in the Data Dump.

Last but not least, with the previous changes to this service, the report will be almost identical to the restorationReport in DCC so both reports need to be aligned so that we will use the same data type and XSD structure. With this change, the same processes could be used in Data Dump and "Data Consistency Check."

More information on this can be found in the DC specification in chapter 4.3.1

Actions to follow:

=====

- Adding UBN
- Create / update operation
- Delete operation
- Alignment with report restoration

Actions to follow:

=====

1. XSD : CSApplyDataDumpReport.xsd

- | - Alarm entity type changed from "DataDumpAlertType" to "AlertRestoreType"
- | - Link entity type changed from "DataDumpLinkType" to "LinkRestoreType"
- | - Binary entity type changed from "DataDumpBinaryType" to "BinaryRestoreType"

2. XSD: AlertDataTypes.xsd

- | - Removed "DataDumpAlertType"
- | - Removed "DataDumpBinaryType"
- | - Changed "AlertRestoreOperationType" enumeration from {Create, Replace, Delete} {to Create / Update, Delete}
- | - Created "BinaryRestoreOperationType" as enum {Create / Update, Delete}
- | - Added "Operation" field to "BinaryRestoreType" of type "BinaryRestoreOperationType"

3. XSD: LinkDataTypes.xsd

- | - Removed "DataDumpLinkType"
- | - Changed "LinkRestoreOperation" enumeration from {Create, Replace, Delete} {to Create / Update, Delete}
- | - Renamed "LinkRestoreOperation" type to "LinkRestoreOperationType"

Description:

=====

In order that the Data Dump will be a usable service of SISII, it has to become an online process. To achieve this, we have to introduce some changes to the report containing the data. First of all, we have to add UBN to the report. With this the National System will know if its locally stored value is newer or

older than the values present in the report.

Secondly, the operation has to be added to each entity: create/update as 1 default operation which is creating the entity if it doesn't exist yet or updating if it exists in the National Copy. The 'Delete' operation can only be used in case the central system knows exactly what has to be deleted (following a DCC over-limit situation) or after usage of a list of Discrete Modifiers since there isn't any Check phase in the Data Dump.

Last but not least, with previous changes to this service, the report will be almost identical then the restoration Report of the DCC so we have to align both reports so we use the same data type and XSD structure. With this change, the same processes could be used in Data Dump and Data Consistency Check.

More information regarding this can be found in the DC white paper in chapter 4.3.1

Action(s) To Be Taken:

=====

- addition of UBN
- create/update operation
- delete operation
- alignment with restoration report

Action(s) Taken:

=====

1. XSD : CSApplyDataDumpReport.xsd

- changed type of Alert entities from "DataDumpAlertType" to "AlertRestoreType"
- changed type of Link entities from "DataDumpLinkType" to "LinkRestoreType"
- changed type of Binary entities from "DataDumpBinaryType" to "BinaryRestoreType"

2. XSD: AlertDataTypes.xsd

- removed "DataDumpAlertType"
- removed "DataDumpBinaryType"
- Changed enumeration of "AlertRestoreOperationType" from {Create, Replace, Delete} to {Create/Update, Delete}
- Created "BinaryRestoreOperationType" as Enumeration {Create/Update, Delete}
- added "Operation" field to "BinaryRestoreType" with type "BinaryRestoreOperationType"

3. XSD: LinkDataTypes.xsd

- removed "DataDumpLinkType"
- Changed enumeration of "LinkRestoreOperation" from {Create, Replace, Delete} to {Create/Update, Delete}
- Renamed type "LinkRestoreOperation" to "LinkRestoreOperationType"

SIC-1778 SIC-1748 Summary report

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Impacted components	ISN, CORE, BD
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting

	the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Analyst	Alex Parincu
Impacted modules	NOTIFICATIONS, STATISTICS
Identifier	331
Request status	ACCEPTED

Artifact Content

Description:

=====

The summary report must be added to the notification sent in step 3 of the Data Consistency Check flow (ICD p 97). It will contain statistics about the total number of discrepancies found for Hash from Hash Comparison, the number of discrepancies found per alert category and additional information about the current campaign settings (DCCLight, non-automatic repair).

Actions to follow:

=====

- Analyzing an optimal presentation of these additional statistics
- Describe synthesis report in ICD
- Adapting the current flows of DCC
- Update the CSNotification XSD in order to present all these additional statistics.

Actions to follow:

=====

AlertDataTypes.xsd:

1. CampaignMetaData Type:

- added 'DCCLight' flag: `sisdt:YesNoType`
- added 'AutoRepair' flag: `sisdt:YesNoType`

2. DCNotificationCampaignDataType:

- added 'SummaryReport' containing:

```
<xsd:element name="SummaryReport" minOccurs="0">
<xsd:complexType>
<xsd:sequence>
<xsd:element name="TotalNumberOfDiscrepancies" type="sisdt:NumberType"/>
<xsd:element name="AlertCategoriesResults" minOccurs="0">
<xsd:complexType>
<xsd:sequence>
<xsd:element name="AlertCategoryResult"
type="sisalrtdt:NumberOfDiscrepanciesPerTypeOfRecordType" maxOccurs="unbounded"/>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
```


</xsd:element>

3. 6.1.8.4.2.3 was modified

- added "Contains a SummaryReport after the Hash Comparison step of the Data Consistency Check campaign presenting statistics from previous step. (total number of discrepancies, number of discrepancies per alert category)"

4. 5.2.12 was modified by adding the explanatory note following figure 46 - The normal sequence for checking the consistency of the national copy.

"Note: Precision for Step 3 (Comparison Process)

After a Hash Comparison (step 2) a CSNotification is sent to the national system, which contains a SummaryReport. This report shows the member state some statistics of the previous Hash Comparison, such as the number of discrepancies found and the number of discrepancies found per alert category.

Description:

Summary report has to be added to the continuation Notification sent in STEP 3 of the Data Consistency Check flow (ICD p 97). It will contain statistics about the total number of discrepancies found during the hash to hash comparison, the number of discrepancies found per alert category and additional information about the settings of the current campaign (DCCLight, non-automatic repair).

Action(s) To Be Taken:

- Analyze an optimal presentation of these extra statistics
- Describe the Summary Report in the ICD
- Adapt the current flows of DCC
- Update the CSNotification XSD in order to present all these extra statistics.

Action(s) Taken:

AlertDataTypes.xsd:

1. CampaignMetaData type:

- added 'DCCLight' flag: `sisdt:YesNoType`
- added 'AutoRepair' flag: `sisdt:YesNoType`

2. DCNotificationCampaignDataType:

- added 'SummaryReport' containing:

```
<xsd:element name="SummaryReport" minOccurs="0">
```

```
<xsd:complexType>
```

```
<xsd:sequence>
```

```
<xsd:element name="TotalNumberOfDiscrepancies" type="sisdt:NumberType"/>
```

```
<xsd:element name="AlertCategoriesResults" minOccurs="0">
```

```
<xsd:complexType>
```

```
<xsd:sequence>
```

```
<xsd:element name="AlertCategoryResult"
```

```
type="sisaltrdt:NumberOfDiscrepanciesPerTypeOfRecordType" maxOccurs="unbounded"/>
```

```
</xsd:sequence>
```

```
</xsd:complexType>
```

```
</xsd:element>
```

```
</xsd:sequence>
```

```
</xsd:complexType>
```

```
</xsd:element>
```

3. Amended 6.1.8.4.2.3

- added "Contains a SummaryReport after the Hash Comparison step of the Data Consistency Check campaign presenting statistics from previous step. (total number of discrepancies, number of discrepancies per alert category)"

4. amended 5.2.12 added additional Note after figure 46 - Normal sequence for performing a national copy consistency check

"Notes: Precision on Step 3 (Process Comparison)

After the Hash Comparison (step 2) a CSNotification is sent to the National system containing a Summary Report. This report presents to the Member State several statistics from the previous Hash Comparison step like total number of found discrepancies and number of found discrepancies per alert category."

SIC-1777 SIC-1748 Data consistency check without automatic repair

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Impacted components	ISN, CORE, BD
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Impacted modules	CONSISTENCY
Analyst	Alex Parincu
Identifier	332
Request status	ACCEPTED

Artifact Content

Description:

=====

It must be possible to start a Data Consistency Check campaign without the automatic repair phase. This will be done by setting the "autoRepair" flag to false (Default: true). When autoRepair has been disabled, the campaign will stop after sending the summary report to the national system.

More information regarding this can be found in the white paper in chapter 4.2.4

Actions to follow:

=====

- ICD modification: add this flag to the XSD list (at the same level as the DCCLight flag (ICD ref. 6.1.8.6.13, ref. 6.1.8.6.2.3))

- add this flag to the XSDs

Actions to follow:

=====

1. ICD: amended chapter 6.1.8.6.1.3 and chapter 6.1.8.6.2.3:
 - the AutoRepair option was added: "AutoRepair indicates if the restoration is done automatically after identifying discrepancies (default=true). If this is disabled (false) then the list of discrepancies will be stored in the Central System until the next DCC."
 - the XSD representation has been changed
2. XSD: the AutoRepair tag was added to NSRequestComparison
 - > AutoRepair: sisdt:YesNoType , Optional
3. XSD: AlertDataTypes.xsd
 - > CampaignMetaDataTypes : AutoRepair was added: sisdt:YesNoType

Description:

=====

It shall be possible to start a Data Consistency Check campaign without the automatic repair phase. This will be done by setting an 'autoRepair' flag to false (Default: true). When this autoRepair has been disabled, the campaign will stop after sending the summary report to the National system. More information regarding this can be found in the white paper in chapter 4.2.4

Action(s) To Be Taken:

=====

- Update ICD: add this flag to the XSD overview (at the same level as the DCCLight flag (ICD ref. 6.1.8.6.13, ref 6.1.8.6.2.3))
- add this flag to the XSDs

Action(s) Taken:

=====

1. ICD: amended chapter 6.1.8.6.1.3 and chapter 6.1.8.6.2.3 :
 - added AutoRepair option: "AutoRepair indicates if the restoration is done automatically after identifying discrepancies (default=true). If this is disabled (false) then the list of discrepancies will be stored in the Central System until the next DCC."
 - updated the XSD representations accordingly
2. XSD: added AutoRepair tag to the NSRequestComparison
 - > AutoRepair: sisdt:YesNoType , Optional
3. XSD: AlertDataTypes.xsd
 - > CampaignMetaDataTypes : added AutoRepair: sisdt:YesNoType

SIC-1776 SIC-1748 Data consistency check initiated by the Central System

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	CORE, BD
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting

	the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Priority	low
Analyst	Alex Parincu
Identifier	333
Request status	ACCEPTED

Artifact Content

Description:

=====

Data Consistency Checks can now be initiated by the central system as previously it could only be started at the request of a national system.

Actions to follow:

=====

- Change flows and Data Consistency Check diagrams introduce a new starting point (CS)
- Explain the cases where the central system will initiate a self-checking DCC. (new chapter in DC)

Actions to follow:

=====

1. ICD: modified Figure 45 - Perform national copy consistency check data flow
 2. ICD: chapter 6.1.8.6.2.3 XSD description
- > added the note "Note: In this case the central system initiates a Data consistency Check campaign (Monthly Check or after receiving an erroneous Broadcast Acknowledgment). This is the first message to be sent in the process. Paul requestComparison is skipped"

Description:

=====

Data Consistency Checks can now be initiated by the Central System whereas, before it could only be started on demand of a National System.

Action(s) To Be Taken:

=====

- Update flows and diagrams on Data Consistency Check to introduce the new starting point (CS)
- Explain in which cases the Central System will initiate a DCC check itself. (new DC chapter)

Action(s) Taken:

=====

1. ICD: updated Figure 45 - Perform national copy consistency check data flow
 2. ICD: chapter 6.1.8.6.2.3 XSD's description
- > added note "Note: In the case the Central System initiates a Data consistency Check campaign (Monthly Check or after receiving an erroneous Broadcast Acknowledgment), this is the first message to be sent in the process. The requestComparison step is skipped."

SIC-1775 SIC-1748 Removal of Iterative Concept and addition of detailed description

regarding "tracking of removed entities"

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Priority	low
Impacted components	CORE, BD
Impacted modules	CONSISTENCY, CODE TABLES
Analyst	Alex Parincu
Identifier	334
Request status	ACCEPTED

Artifact Content

Description:

=====

The whole iterative concept should be removed from all DataConsistency documents. It has to be replaced by the detailed description of keeping track of deleted entities on the National side. Additionally, example streams must be added to the ICD documentation, including special cases (eg problem, link, etc..)

Information on this issue can be found in the specification in chapter 4.2.2.

Actions to follow:

=====

- This must be fully described in the ICD documentation.
- Additional evidence must be added to the description.
- All cycle information must be removed from the ICD.

Action to follow:

=====

1. ICD:

- Modify the chapter "5.2.12 PERFORM NATIONAL COPY CONSISTENCY CHECK COMMUNICATION USE CASE"

deleted "Note: clarifications regarding step 6 (Apply Restoration Report)"

- Change the chapter "6.1.8.6.5.3 XSD description"

Replaces "If a discrepancy is detected on Alert, Link or Binary during Hash comparison of the first loop

but the data are correct during the Field comparison, the CS send the CSApplyRestorationReport.Report with a warning (6200.01) indicating that his data is correct but the hash calculation failed." with "If a discrepancy is detected on Alert, Link or Binary during Hash comparison but the data are correct during the Field comparison, the CS send the CSApplyRestorationReport.Report with a warning (6200.01) indicating that his data is correct but the hash calculation failed." (removed "of the first loop")
Replaces "The field codes of all affected elements will not be sent then and no second loop shall be started." with "The field codes of all affected elements will not be sent then." (removed "and no second loop shall be started")
- modify Figure 45 -Consistency of the national copy, check the data flow, delete the loop concept.
2. DataConsistency-AdditionalNotes:
- chapter 9 was added. Note 7: KEEPING TRACK OF DELETED ENTITIES ON NS
3. Code Tables:
- delete ST204 ERRORCODE "6206" "Loop threshold reached."

Description:

=====

The whole iterative concept has to be removed from all DataConsistency documentation. It has to be replaced by the detailed description of keeping track of deleted entities on the National side. Moreover, full example flows have to be added to the ICD documentation including the special cases (eg link issue etc...)

Information regarding this issue can be found in the white paper in chapter 4.2.2.

Action(s) To Be Taken:

=====

- This has to be described completely in the ICD documentation.
- Additional samples have to be added to the description.
- All information regarding looping has to be removed from the ICD.

Action(s) Taken:

=====

1. ICD:

- Update chapter "5.2.12 PERFORM NATIONAL COPY CONSISTENCY CHECK COMMUNICATION USE CASE"

removed "Note: Precisions on Step 6 (Apply Restoration Report)"

- Update chapter "6.1.8.6.5.3 XSD's description"

replaced "If a discrepancy is detected on Alert, Link or Binary during Hash comparison of the first loop but the data are correct during the Field comparison, the CS send the CSApplyRestorationReport.Report with a warning (6200.01) indicating that his data is correct but the hash calculation failed." with "If a discrepancy is detected on Alert, Link or Binary during Hash comparison but the data are correct during the Field comparison, the CS send the CSApplyRestorationReport.Report with a warning (6200.01) indicating that his data is correct but the hash calculation failed." (removed "of the first loop")
replaced "The field codes of all affected elements will not be sent then and no second loop shall be started." with "The field codes of all affected elements will not be sent then." (removed "and no second loop shall be started")

- update Figure 45 - Perform national copy consistency check data flow
remove loop concept

2. DataConsistency-AdditionalNotes:

- added chapter 9. NOTE 7: KEEPING TRACK OF DELETED ENTITIES ON NS

3. Code Tables:

- removed ST204 ERRORCODE "6206" "Loop threshold reached."

SIC-1773 SIC-1748 Adding hash value to data consistency reports

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Priority	low
Analyst	Alex Parincu
Identifier	335
Request status	ACCEPTED

Artifact Content

Description:

=====

Currently, there is no way to test if what has been restored to the National System with a DD or DCC report has been restored correctly. If we add Hash value to each entity in these reports we will be able to verify the integrity of the newly restored data.

More information about this feature can be found in the DC specification in chapter 4.1.3

Actions to follow:

=====

Adding Hash Value to Reports

Actions to follow:

=====

1. AlertDataTypes.xsd

-> AlertRestoreType: the 'Hash' tag of type sisdt:HashValueType was added

-> BinaryRestoreType: the 'Hash' tag of type sisdt:HashValueType was added

2. LinkDataTypes.xsd

-> LinkRestoreType: the 'Hash' tag of type sisdt:HashValueType was added

Description:

=====

Currently there is no way to test if what the National System has restored with a DD or DCC report has been restored correctly. If we add the Hash value to each entity in those reports they will be able to check the integrity of their recently restored data.

More information regarding this feature can be found in the DC whitepaper in chapter 4.1.3

Action(s) To Be Taken:

=====

Addition of Hash value in Reports

Action(s) Taken:

=====

1. AlertDataTypes.xsd

-> AlertRestoreType: added 'Hash' tag of type sisdt:HashValueType

-> BinaryRestoreType: added 'Hash' tag of type sisdt:HashValueType

2. LinkDataTypes.xsd

-> LinkRestoreType: added 'Hash' tag of type sisdt:HashValueType

SIC-1772

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Analyst	Alex Parincu
Identifier	336
Request status	ACCEPTED

Artifact Content

Description:

=====

(ref. specification 4.1.1)

National systems must regularly ensure the compliance of alerts with the values stored in the hash (NS IMPACT). This internal Hash recalculation process would detect some cases of corruption in the national copy, for example, following an intrusion into the national copy.

This internal Hash recalculation process consists of recalculating the Hash value of an entity based on its fields. This recalculation of the Hash values must be compared with the Hash provided by the central system through a process of Broadcast or restoration and stored in its National copy. This must be done regularly with respect to the entire National copy. MS will recalculate all hash values from a national copy as often as possible, at least once a month.

(ref 3.1.2)

This is done at least once a month.

Actions to follow:

=====

- Explain the mechanism of self-coherence in ICD (best in new separate chapter "DC") in detail.
- New requirement must be added to requirements

Actions to follow:

=====

- Annex: DataConsistency-AdditionalNotes
chapter 8 was added. NOTE 6: SELF-CONSISTENCY MECHANISM FOR NS

Description:

=====

(ref. whitepaper 4.1.1)

The National Systems have to regularly ensure the compliance of the alerts with their stored hash values (IMPACT NS). This internal Hash recalculation process would efficiently detect some cases of corruption in the National Copy, for instance following an intrusion into the National Copy.

This internal Hash recalculation process consists of recalculating the Hash value of an entity based on its fields. This recalculated Hash values has to be compared against the Hash provided by the Central System via a Broadcast or restoration process and stored in its National Copy. This has to be done regularly on the entire National Copy. MS shall recalculate all the hash values of a national copy as far as possible at least once a month.

(ref 3.1.2)

They have to do this at least once a month.

Action(s) To Be Taken:

=====

- Explain self-consistency mechanism in ICD (best in new separate 'DC' chapter) in detail.
- new requirement has to be added to the requirements

Action(s) Taken:

=====

- Annex: DataConsistency-AdditionalNotes
added chapter 8. NOTE 6: SELF-CONSISTENCY MECHANISM FOR NS

SIC-1771 SIC-1748 New time constraints relative to Data Consistency

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Impacted components	CORE, BD

Impacted modules	CONSISTENCY
Analyst	Alex Parincu
Identifier	337
Request status	ACCEPTED

Artifact Content

Description:

=====

During the discussion on the non-functional requirements for Data Consistency, some time constraints were converted for the Central System (CS), National and Network Systems. These time constraints must be incorporated into the ICD document.

The time constants presented in the attached file must be reduced to a few. The ones that are presented exist on each scenario and several scenarios share the same costs that can be merged together.

Actions to follow:

=====

Amends chapter 6.1.6 to include new time constraints

A new Chapter 6.1.6.4 Data Consistency Timeouts is created

A new Chapter 6.1.6.5 Data Dump Timeouts is created

Actions to follow:

=====

1. In the ICD, the chapter "6.1.6.3 Time-outs" was modified

|- "time-outs" for Data Consistency operations have been deleted

|- footnotes were added referring to the next chapter "6.1.6.4"

2. In the ICD: Chapter "6.1.6.4 DATA CONSISTENCY OPERATION TIMINGS" was added, presenting all time constraints, as defined in the DC specifications.

Description:

=====

During the workshops on non-functional requirements for Data Consistency several time constraints have been agreed upon for the Central System, the National Systems and the network. These time constraints have to be incorporated in the ICD document.

The time constraints presented in the attached file have to be normalized to only a few. The ones that are presented there are per scenario and some scenarios share the same constraint and could thus be merged together.

Action(s) To Be Taken:

=====

Amend chapter 6.1.6 to incorporate the new Time Constraints

Create new Chapter 6.1.6.4 Data Consistency Timeouts

Create new Chapter 6.1.6.5 Data Dump Timeouts

Action(s) Taken:

=====

1. ICD amended chapter "6.1.6.3 Time-outs"

|- removed presented time-outs for Data consistency Operations

|- added footnote referring to next chapter "6.1.6.4"

2. ICD: added chapter "6.1.6.4 DATA CONSISTENCY OPERATION TIMINGS" presenting all new time constraints as defined in the DC whitepaper.

SIC-1761 Problem UK-language errors in code tables

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	The existing CS.SIS nomenclature in SINS, which have such values, will be updated accordingly and provided to the authorities.
Analyst	Alex Parincu
Identifier	338
Request status	ACCEPTED

Artifact Content

Description:

=====

During the UK Management Board meeting, a request to change the language in the code table was made and CMB agreed that the following language correction requests should be made in the code tables below.

Actions to follow:

=====

There are some typos in the code table tags.

Actions to follow:

=====

The SISII-ICD_CodeTables.xls document has been changed:

--> The following code table entry tags have been changed:

ST014: Code 0005: Stolen or false registration

ST020: Code 0001: Petrol (4 Stroke)

ST020: Code 0002: Petrol + oil (2 Stroke)

ST021: Code 0148: MEXICO, Mexican Unidad de Inversion (UDI)

ST021: Code 0162: NETHERLANDS ANTILLES, Netherlands Antillean Guilder

ST021: Code 0282: UNITED STATES, US Dollar

ST022: Code 0013: Travelers Cheque

ST025: Code 0014: Rigid/Rigid-Hull Inflatable Boat (RIB/RHIB)

ST029: Code 0003: Inboard Motor

ST062: Code 0005: Stolen or false registration

ST063: Code 0005: Stolen or false registration

ST064: Code 0005: Stolen or false registration

ST065: Code 0005: Stolen or false registration

ST115: Code 0001: Meters (m)

ST130: Code 0009: Inboard engine - Mercruiser

ST130: Code 0010: Inboard engine - Volvo-Penta

ST130: Code 0011: Inboard engine - Yanmar

ST130: Code 0013: Inboard motor - Others
ST130: Code 0014: Inboard engine - Chevrolet
ST130: Code 0015: Inboard motor - Daf
ST130: Code 0017: Inboard motor - Kawasaki
ST130: Code 0020: Inboard motor - Nanni
ST130: Code 0021: Inboard motor - OMC
ST130: Code 0022: Inboard engine - Rotax
ST130: Code 0026: Inboard motor - Vetus
ST130: Code 0027: Inboard engine - Mercedes

Accordingly, the following documents have been amended:

ST014_VEHICLERELATEDREMARK_v1.xml, ST020_BOATTYPEOFFUEL_v1.xml,
ST021_CURRENCY_v1.xml, ST022_CATEGORYOFSECURITIES_v1.xml,
ST025_CATEGORYOFBOAT_v1.xml, ST029_CATEGORYOFBOATENGINE_v1.xml,
ST062_AIRCRAFTRELATEDREMARK_v1.xml, ST063_BOATRELATEDREMARK_v1.xml,
ST064_CONTAINERRELATEDREMARK_v1.xml, ST065_IERELATEDREMARK_v1.xml,
ST115_LENGTH_v1.xml, ST130_MAKEOFBOATENGINE_v1.xml

Description:

=====

During the Change Management Board meeting UK has introduced a request for change for code table language and CMB agreed as a matter of fact the following language corrections are requested to be made in the code tables listed below.

Action(s) To Be Taken:

=====

There are some misspellings in the labels of various code tables.

Action(s) Taken:

=====

The document SISII-ICD_CodeTables.xls has been changed:

--> The following labels of code table entries have been modified:

ST014: Code 0005: Stolen or false registration
ST020: Code 0001: Petrol (4 Stroke)
ST020: Code 0002: Petrol + oil (2 Stroke)
ST021: Code 0148: MEXICO, Mexican Unidad de Inversion (UDI)
ST021: Code 0162: NETHERLANDS ANTILLES, Netherlands Antillean Guilder
ST021: Code 0282: UNITED STATES, US Dollar
ST022: Code 0013: Travelers Cheque
ST025: Code 0014: Rigid/Rigid-Hull Inflatable Boat (RIB/RHIB)
ST029: Code 0003: Inboard Motor
ST062: Code 0005: Stolen or false registration
ST063: Code 0005: Stolen or false registration
ST064: Code 0005: Stolen or false registration
ST065: Code 0005: Stolen or false registration
ST115: Code 0001: Meters (m)
ST130: Code 0009: Inboard engine - Mercruiser
ST130: Code 0010: Inboard engine - Volvo-Penta
ST130: Code 0011: Inboard engine - Yanmar
ST130: Code 0013: Inboard motor - Others
ST130: Code 0014: Inboard engine - Chevrolet
ST130: Code 0015: Inboard motor - Daf
ST130: Code 0017: Inboard motor - Kawasaki

ST130: Code 0020: Inboard motor - Nanni
ST130: Code 0021: Inboard motor - OMC
ST130: Code 0022: Inboard engine - Rotax
ST130: Code 0026: Inboard motor - Vetus
ST130: Code 0027: Inboard engine - Mercedes
Accordingly, the following documents have been amended:
ST014_VEHICLERELATEDREMARK_v1.xml, ST020_BOATTYPEOFFUEL_v1.xml,
ST021_CURRENCY_v1.xml, ST022_CATEGORYOFSECURITIES_v1.xml,
ST025_CATEGORYOFBOAT_v1.xml, ST029_CATEGORYOFBOATENGINE_v1.xml,
ST062_AIRCRAFTRELATEDREMARK_v1.xml, ST063_BOATRELATEDREMARK_v1.xml,
ST064_CONTAINERRELATEDREMARK_v1.xml, ST065_IERELATEDREMARK_v1.xml,
ST115_LENGTH_v1.xml, ST130_MAKEOFBOATENGINE_v1.xml

SIC-1758 Issue NL: during the migration period Member States are not allowed to introduce impersonated identities.

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Comments	This change requires detailed analysis. At first glance, the changes only involve the elimination of some business rules, automatically and the error codes generated by them and the elimination of entries from the ST_131 nomenclature
Impacted components	CORE, BD
Analyst	Alex Parincu
Impacted modules	CUD, CODE TABLES
Identifier	339
Request status	ACCEPTED

Artifact Content

Description:

=====

During the migration period, member states are not allowed to enter Misused Identities because they cannot enter the required mandatory information in accordance with the business rule in question. The NL makes the issuance to the CMB during the migration, the SM should not enter additional data on the misused identity in the SIS II because this is not provided for in the Schengen Convention, but in the SIS II, according to a business rule, adding these data is mandatory if selecting the "Misused Identity"

attribute in "identityCategory" for a person alert. CMB agreed that the business rule should be modified as a solution for the migration period.

After that meeting, together with the Legal Team (KT), VS investigated internally whether this solution is correct, it is also correct, from a legal point of view.

Now COM has found a new concept (it is not a business rule) which provides the following text (DTS v1.32/sisii-alias.v.1.16.doc, paragraph 4.2):

"If in 'identityCategory' the attribute is set to 'Misused identity', it is mandatory to store additional information as 'MisusedIdentityExtension', optionally 'Biometrics' data can be stored

This is in line with what NL reports to COM.

Although, the concept is not in accordance with art. 36 (1) of the SIS II Regulation and art. 51 (1) of the SIS II Decision, which provide:

"In the event that confusion may arise between an actual person who is the subject of an alert and a person with an impersonated identity, the Member State that introduced the alert must, with the explicit consent of the person concerned, give data relating to the latter to alert, in order to avoid the negative consequences of an erroneous identification."

The underlined part states that the additional information must be stored in the optional system when choosing the "impersonated identity" attribute.

What I can conclude with this finding is that, Holland, it seems that there is a problem in the concept in which the "alias" ((in the technical sense of this word, i.e. including the usurped identity) must be introduced into the system. The solution could be that we will change the rule from the concept of "mandatory" to "optional" (subject to the consent of the victim) to fully comply with the legal requirements of the SIS II Regulation and Decision.

Therefore, given the COM, the CMB should allow HPS to implement this correction in ICD 3.0, and keep it as it is, after the migration period (contrary to what was discussed in the CMB). I propose that this be put on the agenda of the next CMB SISII meeting.

Actions to follow:

=====

We investigate and delete all business rules related to MIE, in accordance with legal entries.

Actions to follow:

=====

The SISII-ICD-View-Business_Rules.xls document has been modified:

--> Business rules SIS-R0904 and SIS-R0905 have been deleted.

The SISII-ICD_BusinessRulesMapping.xls document has been modified:

--> On the <AlertMaintenance> and <Linking> sheets, the lines with business rules SIS-R0904 and SIS-R0905 have been deleted.

The SISII-ICD_CodeTables.xls document has been changed:

--> In the code table ST131_AMNESTIEDDATATYPE the values 0003.01 and 0004.01 have been deleted.

The ST131_AMNESTIEDDATATYPE_v1.xml document has been changed:

--> Values 0003.01 and 0004.01 have been deleted.

Description:

=====

During the Migration period MS are not allowed to enter Misused Identities as they cannot enter the necessary mandatory information according to the concerned Business rule.

NL exposed the issue to the CMB that during migration, MS should not enter additional data on misused identities in SIS II as this is not foreseen in the Schengen Convention but in SIS II, according to a business rule, adding these data is mandatory if selecting the attribute "Misused Identity" in the "identityCategory" of a Person Alert. The CMB agreed that the business rule had to be amended as a

workaround for the Migration period.

After that meeting together with the Legal Team (KT), VS investigated internally whether this workaround is correct also from the legal perspective.

Actually COM found that the concept (not a business rule) states the following (DTS v1.32/sisii-alias.v.1.16.doc, paragraph 4.2):

"If the "identityCategory" attribute is set to "Misused identity", it is mandatory to store additional information with "MisusedIdentityExtension". Optionally "Biometrics" can be stored."

This is in line with what NL reported to COM.

Although, the concept is not in line with Art. 36(1) of the SIS II Regulation and Art. 51(1) of the SIS II Decision which provide:

"Where confusion may arise between the person actually intended as the subject of an alert and a person whose identity has been misused, the Member State which entered the alert shall, subject to that person's explicit consent, add data relating to the latter to the alert in order to avoid the negative consequences of misidentification."

The underlined part requires that the additional information be optionally stored in the system when choosing the "Misused Identity" attribute.

What I can conclude from this finding is that as NL pointed out, there is an issue in the concept of how Aliases (in the technical sense of this word, ie including misused identities) have to be inserted in the system. The solution could be that we change the concept rule from "mandatory" to "optional" (subject to the consent of the victim) to be fully compliant with the legal requirements of the SIS II Regulation and Decision.

Therefore, in COM view, CMB should allow HPS to implement this fix into ICD 3.0, and maintain it as is also after the Migration period (contrary to what was discussed in the CMB). I propose this to be put on the agenda of the next SISII CMB meeting.

Action(s) To Be Taken:

=====

Investigate and clear all Business rules related to MIE in accordance with legal input.

Action(s) Taken:

=====

The document SISII-ICD-View-Business_Rules.xls has been changed:

--> The business rules SIS-R0904 and SIS-R0905 have been deleted.

The document SISII-ICD_BusinessRulesMapping.xls has been changed:

--> On the sheets <AlertMaintenance> and <Linking> the rows with the business rules SIS-R0904 and SIS-R0905 have been deleted.

The document SISII-ICD_CodeTables.xls has been changed:

--> In code table ST131_AMNESTIEDDATATYPE the values 0003.01 and 0004.01 have been deleted.

The document ST131_AMNESTIEDDATATYPE_v1.xml has been changed:

--> The values 0003.01 and 0004.01 have been deleted.

SIC-1752 Setting the ceiling should be done entirely at the end user level

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Priority	tall
Comments	The XSD schemes implemented at the level of

	SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Andrei Popovich
Identifier	340
Request status	ACCEPTED

Artifact Content

Description:

Current specifications define that the results of a query will return the number of hits before reaching the ceiling (hard-cap). Because of the potentially huge number of hits, the query can take much longer to execute because it has to count the hits and return only a subset of them.

This is especially the case with amnesty alerts where results for which there is a null value are returned.

Actions to be taken:

Modification of the specifications in the sense of not requiring the calculation of the total number of hits, but simply limiting the returned results to the ceiling level.

In Sisii-ICD.doc 6.1.8.5.1.3 XSD Description, the new hit-counts mechanism should be specified (counting only hits limited to the ceiling level)

CS should return after query the number of issues; or at least should give an indication that there are more hits than the cap level.

Actions taken:

The SISII-ICD.doc document has been modified:

* Section 6.1.8.5.1.3 XSD Description has been changed:

-> Added sentence: "If the query exceeds the ceiling the number of HitCounts will not be presented."

AlertDataType.xsd has been modified:

-> In <StandardQueryHitListType> the "HitCounts" element has been set to optional.

Description:

=====

The current specifications define that the results of a query shall return the number of hits before capping. Because of the potentially huge number of hits, the query can take much longer to execute because it must count the hits and only return a subset of them.

This is particularly the case with amnestied alerts where results for which a null value exists are returned.

Action(s) To Be Taken:

=====

Change the specifications in order not to request the calculation of the total number of hits and simply cap the results.

In Sisii-ICD.doc 6.1.8.5.1.3 XSD's description the new mechanism of hit-count should be specified (count only the result meaning below the hard cap)

CS should return after the query the number of issues; or at least should give the indication that there are more hits then capping.

Action(s) Taken:

=====

The document SISII-ICD.doc has been changed:

- * Section 6.1.8.5.1.3 XSD's description has been modified:
--> Added the sentence: "If the query exceeds the hard cap the HitCounts will not be presented."

The AlertDataType.xsd has been changed:

- > In the <StandardQueryHitListType> the element "HitCounts" has been set to optional.

SIC-1748 Data consistency for WP (Wanted Person)

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Impacted components	ISN, CORE, BD
Priority	low
Analyst	Alex Parincu
Impacted modules	CONSISTENCY
Identifier	341
Request status	ACCEPTED

Artifact Content

Description:

=====
Data consistency in WP must be implemented in ICD 3.0 in accordance with the requirements from the discussion of (5/6/7 May 2010) and as followed by the SISVIS and CMB Committee.
This SIC is only a few cumulative tasks, for a few others that deal with the topic "White paper Data Consistency" see the sub-requirements for "Action to follow"

Description:

=====
WP data consistency has to be implemented in ICD 3.0 according to the requirements workshop (5/6/7 May 2010) and following SISVIS Committee and CMB.
This SIC is just an accumulative tasks for a few others which deal with the topic "White paper Data Consistency" - see Sub-Tasks for "Action(s) Taken".

SIC-1747 Alias number in WP SIS II alerts is meaningless and therefore must be set to a fixed value "0000"

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Alex Parincu
Identifier	342
Request status	ACCEPTED

Artifact Content

Description:

=====

1) In SISI + and SISII SchengenID consists of four parts, but aliasNumber is not used in SISII.
2) In SISII a PersonIdentityCore (identity) must have an aliasNumberMigration for migration purposes.
3) during the migration the following rule must be applied:
{applicant country, ID-number, Alias number, record type} in SISI + must be matched one by one to
{requestingUser, idNumber, aliasNumberMigration, recordType} in SISII
But this is not enough. We will have a problem if the aliasNumber in SISII is not fixed. Consider the following example:
{DE,ID1,0000,WP} and {DE,ID1,0001,WP} in SISI+ will be mapped to
{DE, ID1,1111,WP} and aliasNumberMigration = 0000 in PersonIdentityCore and
{DE, ID1,1111,WP} and aliasNumberMigration = 0001 in a different PersonIdentityCore in SISII
A different alert in SIS II due to a different aliasNumber in SchengenID will then cause a problem:
{DE, ID1, 2222,WP} and aliasNumberMigration = 0000 in PersonIdentityCore
Actions to follow:

=====

The ICD must be amended to clarify that the alias number of the SchengenID in SIS II in a person alert must take a fixed value 0000.

Actions to follow:

=====

CommonDataTypes.xsd has been modified:

--> In <NationalIDNumberType>, <AliasNumber> was added to the description, explaining the setting of AliasNumber to 0000 in the CreateAlert message for a person alert.

The SISII-ICD.doc document has been modified:

* Section 6.1.8.1.1.3 XSD description has been modified:

--> Added a text passage about AliasNumber in the description of SchengenID.

The SISII-ICD_CodeTables.xls document has been modified:

* The ST204_ERRORCODE table has been modified:

--> Entries have been added to the code table 5218 / 01 / The AliasNumber in the SchengenID has to be 0000 in a person alert. / 20060101 / 0004.01 / 0001.01 to the Alert Maintenance.

The SISII-ICD_BusinessRulesMapping.xls document has been modified:

* The 'AlertMaintenance' table has been modified:

--> Added business rules B-SIS-R5746 to 'CreateAlert'.

The SISII-ICD-View-Business_Rules.xls document has been modified:

--> Business rules B-SIS-R5746 have been added to 'CreateAlert'.

The ST204_ERRORCODE_v1.xml document has been modified:

--> Entry 5218.01 was added to the code table.

Description:

=====

1) In SISI+ and SISII the SchengenID is made up of four parts but the aliasNumber is not used in SISII.
2) In SISII a PersonIdentityCore (identity) has to have an aliasNumberMigration for migration purposes.
3) During migration the following rule has to be applied:
{requesting country, ID-number, Alias number, type of record} in SISI+ must correlate one by one to
{requestingUser, idNumber, aliasNumberMigration, recordType} in SISII
But this is not enough. We will run into a problem if the aliasNumber in SISII is not fixed. Consider the following example:
{DE,ID1,0000,WP} and {DE,ID1,0001,WP} in SISI+ will map to
{DE, ID1,1111,WP} and aliasNumberMigration = 0000 in PersonIdentityCore and

{DE, ID1, 1111, WP} and aliasNumberMigration = 0001 in different PersonIdentityCore in SISII
A different alert in SIS II due to a different aliasNumber in the SchengenID will then cause a problem:
{DE, ID1, 2222, WP} and aliasNumberMigration = 0000 in PersonIdentityCore
Action(s) To Be Taken:

=====

The ICD has to be changed so that it explains that the alias number of the SchengenID in SIS II in a person alert has to take the fixed value 0000.

Action(s) Taken:

=====

The CommonDataTypes.xsd has been changed:
--> In the <NationalIDNumberType> a description has been added to the <AliasNumber> explaining the setting of the AliasNumber to 0000 in a CreateAlert message for a person alert.
The document SISII-ICD.doc has been changed:
* The section 6.1.8.1.1.3 XSD's description has been modified:
--> Added a text passage about the AliasNumber in the description of the SchengenID.
The document SISII-ICD_CodeTables.xls has been changed:
* The sheet ST204_ERRORCODE has been modified:
--> Adding the code table entry 5218 / 01 / The AliasNumber in the SchengenID has to be 0000 in a person alert. / 20060101 / 0004.01 / 0001.01 to the Alert Maintenance.
The document SISII-ICD_BusinessRulesMapping.xls has been changed:
* The sheet 'AlertMaintenance' has been modified:
--> Adding the business rule B-SIS-R5746 to the 'CreateAlert'.
The document SISII-ICD-View-Business_Rules.xls has been changed:
--> Adding the business rule B-SIS-R5746 to the 'CreateAlert'.
The document ST204_ERRORCODE_v1.xml has been changed:
--> Added the code table entry 5218.01.

SIC-1737 LSID equal to 0 for CSNotifications -> impossible for system to extract LSID from request message

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The

	modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Andrei Popovich
Identifier	343
Request status	ACCEPTED

Artifact Content

Description:

=====

For some cases, CS cannot extract information that is necessary for the communication protocol, such as LogicalSessionID.

Currently, when the LSID cannot be extracted, the CS will send a CSNotification with an LSID equal to 00000000.

Actions to be taken:

=====

Due to the fact that all incoming messages must be recognized, the Central System also must send a response if a LogicalSessionID is not available (for whatever reason). The CS will then send a response with an "artificial" LSID 00000000.

This system behavior must be described in detail in the ICD.

Actions taken:

=====

The SISII-ICD.doc document has been modified:

-> Section 6.1.8.4.2 << OPERATION >> NOTIFICATION has been modified:

Adding the following text:

"If the central system cannot process an asynchronous request from a national system due to semantic errors in the received message, the CS responds with an error notification (see 4.1.4). Normally, for these notifications The LogicalSessionID from the request will be reused in the CSNotification. If a LogicalSessionID cannot be extracted by the CS from the request, the LogicalSessionID 00000000000000000000 will be used instead of the notification."

Description:

=====

For some cases, the CS can't extract information which is necessary for the communication protocol like the LogicalSessionID.

Today, when the LSID can't be extracted, the CS will send a CSNotification with a LSID equal to 00000000.

Action(s) To Be Taken:

=====

Due to the fact that all incoming messages have to be acknowledged, the central system also has to send an answer in case that a LogicalSessionID is not available (whatever the reason is for that). The CS will then send an answer with the "artificial" logical session id 00000000.

This behavior of the system has to be described in the ICD in detail.

Action(s) Taken:

=====

The document SISII-ICD.doc has been modified:
--> Section 6.1.8.4.2 << OPERATION >> NOTIFICATION has been modified:
Adding of the following text passage:

"In the case that the central system cannot process an asynchronous request from a national system due to semantic errors in the received message the CS answers with an error notification (see 4.1.4). Normally for these notifications the LogicalSessionID from the request will be reused in the CSNotification. If a LogicalSessionID cannot be extracted by the CS from the request the LogicalSessionID 000000000000000000 will be used in the notification instead."

SIC-1722 Pattern for SID in NSPerformSnapshot is not correct

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Impacted components	ISN, CS, CORE
Analyst	Dana Istratescu
Identifier	344
Request status	ACCEPTED

Artifact Content

Description:

=====

The pattern for the SID field in NSPerformSnapshot should be changed. CompressedSchengenIDType SID type references:

```
<xsd:simpleType name="CompressedSchengenIDType">  
<xsd:annotation>  
<xsd:documentation>....</xsd:documentation>  
</xsd:annotation>  
<xsd:restriction base="sisdt:TextRD">  
<xsd:maxLength value="31"/>  
</xsd:restriction>  
</xsd:simpleType>
```

The current TextRD restriction allows a lot of characters for a SchengenID.
SchengenID consists of RequestingUser (\ d {4} \ \ d {2}.), IdNumber ([A-Z0-9] +, length = 13), AliasNumber (\ d {4}) and RecordType (\ d {4} \ \ d. {2}).
It must be checked if this SchengenID structure also applies to amnesty-type data.

Action to be taken:

=====

Change the pattern for "CompressedSchengenIDType" in a way that patterns are taken into account for example:

\ d {4} \. \ d {2} [A-Z0-9] {13} \ d {4} \ d {4} \ \ d. {2}

Action taken:

=====

"CompressedSchengenIDType" in CommonDataTypes.xsd was changed to a string (length 31), with the pattern
`\d{4}\.\d{2}[A-Z0-9]{13}\d{4}\d{4}\d{2}`

Description:

=====

The Pattern for the field SID in the NSPerformSnapshot should be amended. The SID references the type CompressedSchengenIDType:

```
<xsd:simpleType name="CompressedSchengenIDType">
<xsd:annotation>
<xsd:documentation>....</xsd:documentation>
</xsd:annotation>
<xsd:restriction base="sisdt:TextRD">
<xsd:maxLength value="31"/>
</xsd:restriction>
</xsd:simpleType>
```

The current restriction TextRD allows a lot of characters which would never be allowed in a SchengenID. The SchengenID consists of RequestingUser (\d{4}\.d{2}), IdNumber ([A-Z0-9]+, length=13), AliasNumber (\d{4}) and the RecordType (\d{4}\.d{2}). It needs to be checked if this SchengenID structure also applies to amnestied data.

Action(s) To Be Taken:

=====

Amend the pattern for the "CompressedSchengenIDType" in a way that the patterns are taken into account eg:
`\d{4}\.d{2}[A-Z0-9]{13}\d{4}\d{4}\d{2}`

Action(s) Taken:

=====

The "CompressedSchengenIDType" in the CommonDataTypes.xsd has been changed to a string (length 31) with the pattern
`\d{4}\.d{2}[A-Z0-9]{13}\d{4}\d{4}\d{2}`

SIC-1717 [BTSIS-2506] differences between UBN fields respectively in NSPerformExtraction and NSPerformSnapshot messages

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface

	with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Priority	tall
Analyst	Dana Istratescu
Identifier	345
Request status	ACCEPTED

Artifact Content

Description:

=====

The UBN under EDA, FED and EDS in the NSPerformExtraction message is an optional attribute, while their corresponding values in SDA, SDF and SDL in the NSPerformSnapshot message are mandatory. This should be consistent.

Action to be taken:

=====

Define these attributes in both XSD messages as required.

Action taken:

- =====
1. AlertDataTypes.xsd
 - | - UBN was made mandatory for type "ExtractionDataAlertType"
 - | - UBN was made mandatory for type "ExtractionDataBinaryType"
 2. LinkDataTypes.xsd
 - | - UBN was made mandatory for type "ExtractionDataLinkType"

Description

=====

The UBN under EDA, EDF and EDL within the message NSPerformExtraction is an optional attribute, while their corresponding values in SDA, SDF and SDL within the message NSPerformSnapshot is mandatory. This should be consistent.

Action(s) to be taken

=====

Define these attributes in the XSD messages in both messages as mandatory.

Action(s) taken

- =====
1. AlertDataTypes.xsd
 - | - UBN has been made mandatory for type "ExtractionDataAlertType"
 - | - UBN has been made mandatory for type "ExtractionDataBinaryType"

2. LinkDataTypes.xsd

|- UBN has been made mandatory for type "ExtractionDataLinkType"

SIC-1715 SIC-1708 Differences between DTS and ICD: a check must be made on the code table

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The existing CS.SIS nomenclature in SINS, which have such values, will be updated accordingly and provided to the authorities.
Priority	Average
Impacted modules	CODE TABLES
Analyst	Dana Istratescu
Identifier	346
Request status	ACCEPTED

Artifact Content

Description:

=====

The contents of the code tables in the DTS and ICD must be checked to ensure that they are aligned.

Action to be taken:

=====

The following changes are proposed for the code tables in the ICD:

st001_requestinguser

--> <ALPHACODE> is added

--> change "THE CZECH REPUBLIC" to "CZECH REPUBLIC"

--> change "GB" to "UK"

st006_nationality

--> change "TP" to "TL" and "EAST TIMOR" to "TIMOR-LESTE"

--> change "XM" to "MK" and "THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA" to "MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF"

--> change "HAT" to "HT" for HAITI

st021_currency

--> change "ANTILLES, Netherlands Antillian Guikder" to "NETHERLANDS ANTILLES, Netherlands Antillian Guilder"

ST132_USERWITHNOLICENCEPLATEREG

--> this code table is added to the ICD

st211_technicaluser

--> change "THE CZECH REPUBLIC" to "CZECH REPUBLIC"

Action taken:

=====

The SISII-ICD_CodeTables.xls document has been changed:

st001_requestinguser

- > The missing <ALPHACODE> column was added
- > "THE CZECH REPUBLIC" was changed to "CZECH REPUBLIC"
- > Changed "GB" to "UK"

st006_nationality

- > Changed "TP" to "TL" and "EAST TIMOR" to "TIMOR-LESTE"
- > Changed "XM" to "MK" and "THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA" to "MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF"
- > Changed "HAT" to "HT" for HAITI

st021_currency

- > Changed "ANTILLES, Netherlands Antillian Guikder" to "NETHERLANDS ANTILLES, Netherlands Antillian Guilder"

ST132_USERWITHNOLICENCEPLATEREG

- > This table was added to the ICD

st211_technicaluser

- > "THE CZECH REPUBLIC" was changed to "CZECH REPUBLIC"

ST132_USERWITHNOLICENCEPLATEREG_v1.xml The document was created and attached as an attachment.

Description:

=====

The content of the code tables in DTS and ICD have to be checked in order to ensure that they are aligned.

Action(s) To Be Taken:

=====

The following modifications are suggested for the code tables in the ICD:

st001_requestinguser

- > add the missing abbreviations in the <ALPHACODE> column
- > change the entry "THE CZECH REPUBLIC" to "CZECH REPUBLIC"
- > change the entry "GB" to "UK"

st006_nationality

- > change "TP" to "TL" and "EAST TIMOR" to "TIMOR-LESTE"
- > change "XM" to "MK" and "THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA" to "MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF"
- > change "HAT" to "HT" for Haiti

st021_currency

- > change "ANTILLES, Netherlands Antillean Guikder" to "NETHERLANDS ANTILLES, Netherlands Antillian Guilder"

ST132_USERWITHNOLICENCEPLATEREG

- > add this table to the ICD

st211_technicaluser

- > change the entry "THE CZECH REPUBLIC" to "CZECH REPUBLIC"

Action(s) Taken:

=====

The document SISII-ICD_CodeTables.xls has been changed:

st001_requestinguser

- > Added the missing abbreviations in the <ALPHACODE> column

--> Changed the entry "THE CZECH REPUBLIC" to "CZECH REPUBLIC"
--> Changed the entry "GB" to "UK"
st006_nationality
--> Changed "TP" to "TL" and "EAST TIMOR" to "TIMOR-LESTE"
--> Changed "XM" to "MK" and "THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA" to
"MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF"
--> Changed "HAT" to "HT" for Haiti
st021_currency
--> Changed "ANTILLES, Netherlands Antillean Guikder" to "NETHERLANDS ANTILLES, Netherlands
Antillian Guilder"
ST132_USERWITHNOLICENCEPLATEREG
--> Added this table to the ICD
st211_technicaluser
--> Changed the entry "THE CZECH REPUBLIC" to "CZECH REPUBLIC"

The document ST132_USERWITHNOLICENCEPLATEREG_v1.xml has been created in the code table
annexes.

SIC-1713 SIC-1708 Differences between DTS and ICD: BankNote.Number1 and BankNote.Number2

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Priority	tall
Analyst	Dana Istratescu
Identifier	347
Request status	ACCEPTED

Artifact Content

Description:

=====

Banknote alerts

Type: number1 and number2

DTS: SISII-Data_Dictionary.doc number1, number2 type: NAME_FREETEXT_TRANSFORM

XSD: Type number1, number2 based on: NameFreeTextSerialTransformRD

Action to be taken:

=====

Make a correction in the XSD.

Action taken:

=====

AlertDataTypes.xsd has been changed:

-> In the SerialNumberBanknoteBase type, the base was changed to NameFreeTextOriginalRD.

Description:

=====

Banknote

Type of Number1 and Number2

DTS: SISII-Data_Dictionary.doc Number1, Number2 type: NAME_FREETEXT_TRANSFORM

XSD: Number1, Number2 type based on: NameFreeTextSerialTransformRD

Action(s) To Be Taken:

=====

Make a correction in the XSD.

Action(s) Taken:

=====

The AlertDataTypes.xsd has been changed:

--> In the SerialNumberBanknoteBaseType the base has been changed to NameFreeTextOriginalRD.

SIC-1712 SIC-1708 Differences between DTS and ICD: BoatEngine.TypeOfFuel

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface

	with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Priority	tall
Analyst	Dana Istratescu
Identifier	348
Request status	ACCEPTED

Artifact Content

Description:

=====

In Boat Motor type alerts: the TypeOfFuel field is mandatory or optional

DTS: SISII-Data_Dictionary.doc TypeOfFuel mandatory field

XSD: TypeOfFuel optional field

Database: mandatory

Action to be taken:

=====

Modify TypeOfFuel mandatory field in XSD.

Action taken:

=====

AlertDataTypes.xsd has been changed:

-> In "BoatEngineBaseType" the "TypeOfFuel" field was set to mandatory.

Description:

=====

BoatEngine.TypeOfFuel: mandatory or optional

DTS: SISII-Data_Dictionary.doc TypeOfFuel mandatory

XSD: TypeOfFuel optional

Database: mandatory

Action(s) To Be Taken:

=====

Change the XSD and make the TypeOfFuel mandatory.

Action(s) Taken:

=====

The AlertDataTypes.xsd has been changed:

--> In the "BoatEngineBaseType" the element "TypeOfFuel" has been set to mandatory.

SIC-1706 Updates on ICD and DTS relative to subscribing to notifications

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The modified business rule was not detected in DTS, as such it will be marked as implementation in ICD.
Priority	Average
Analyst	Dana Istratescu
Identifier	349
Request status	ACCEPTED

Artifact Content

Description:

=====

According to BR-R0308, notifications are not sent for all alert types.

This is the reason why a member state can subscribe to the notification only for the alert types mentioned in BR-R0308.

If this is not the case, CS returns error: 6405.01

It is currently implemented in the application, but is not described in the ICD.

Action to be taken:

=====

"Notification Management" in SISII-ICD_BusinessRulesMapping.xls must be modified for SubscribeNotification to work:

SIS-R0311 // EVENT_IS_MANDATORY / 6402.01

SIS-R5743 / AccessControlException / INVALID_ACCESS_RIGHTS / 6400.01

Add SIS-R0308 / SubscriptionOnWrongAlertTypeException /

SUBSCRIPTION_ON_WRONG_ALERT_TYPE / 6405.01

Action taken:

=====

The "SISII-ICD_BusinessRulesMapping.xls" document has been modified:

-> In the "Management of Notifications" sheet, the entry was added

<SubscribeNotification / SIS-R0308 / SubscriptionOnWrongAlertTypeException /

SUBSCRIPTION_ON_WRONG_ALERT_TYPE / 6405.01>

Description:

=====

According to BR-R0308, notifications are not sent for all alert types.

That is why a MS can subscribe notification only for the alert types mentioned in BR-R0308.

If it is not the case, the CS returns an error: 6405.01

Currently, it is implemented in the application but not described in the ICD.

Action(s) To Be Taken:

=====
Sheet "Notification Management" in SISII-ICD_BusinessRulesMapping.xls must be amended for the operation SubscribeNotification:

SIS-R0311 / / EVENT_IS_MANDATORY / 6402.01

SIS-R5743 / AccessControlException / INVALID_ACCESS_RIGHTS / 6400.01

Add SIS-R0308 / SubscriptionOnWrongAlertTypeException /

SUBSCRIPTION_ON_WRONG_ALERT_TYPE / 6405.01

Action(s) Taken:

=====
The document "SISII-ICD_BusinessRulesMapping.xls" has been changed:

--> In sheet "Notification Management" the entry

<SubscribeNotification / SIS-R0308 / SubscriptionOnWrongAlertTypeException /

SUBSCRIPTION_ON_WRONG_ALERT_TYPE / 6405.01>

has been added.

SIC-1702 GetNotificationSubscription incorrect error code SIS-R5744-violation in SISII-ICD_BusinessRulesMapping

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The modified business rule was not detected in DTS, as such it will be marked as implementation in ICD.
Priority	Average
Analyst	Dana Istratescu
Identifier	350
Request status	ACCEPTED

Artifact Content

Description:

=====

In Notification Management SISII-ICD_BusinessRulesMapping-v2.5.3.xls, the error code set for GetNotificationSubscription SIS-R5744 NotificationSubscriptionNotExistingException is 6405.01. However 6405.01 stands for "Notification subscription is not allowed for this record type." Which indicates that the user is required to subscribe for this type of registration.

Error code 6404.01 should be implemented here as well, as a user should not be able to obtain a NotificationSubscription that does not exist.

Action to be taken:

=====

SISII_BusinessRulesMapping.xls must be modified:

- GetNotificationSubscription / SIS-R5744 / NotificationSubscriptionNotExistingException /

NOTIFICATION_DOES_NOT_EXIST / 6405.01

is replaced by

- GetNotificationSubscription / SIS-R5744 / NotificationSubscriptionNotExistingException / NOTIFICATION_DOES_NOT_EXIST / 6404.01

Information:

6404.01 There are no subscriptions for this user/institution

6405.01 Subscribing to the Notification for this type of signaling is not allowed

Action taken:

=====

6405.01 GetNotificationSubscription for SIS-R5744 changed to 6404.01

Description:

=====

In the Notification Management Tab of the SISII-ICD_BusinessRulesMapping-v2.5.3.xls, the error code set for GetNotificationSubscription SIS-R5744 NotificationSubscriptionNotExistingException is 6405.01. However 6405.01 is "Subscription for notification not allowed for this type of record." Which indicates that the user is trying to subscribe to a not allowed type of record.

The error code 6404.01 should be put here, as a user should not be able to get a non-existing NotificationSubscription.

Action(s) To Be Taken:

=====

SISII_BusinessRulesMapping.xls must be amended:

- GetNotificationSubscription / SIS-R5744 / NotificationSubscriptionNotExistingException / NOTIFICATION_DOES_NOT_EXIST / 6405.01

replaced by

- GetNotificationSubscription / SIS-R5744 / NotificationSubscriptionNotExistingException / NOTIFICATION_DOES_NOT_EXIST / 6404.01

For information:

6404.01 There is no subscription.

6405.01 Subscription for notification not allowed for this type of record.

Action(s) Taken:

=====

6405.01 for the GetNotificationSubscription for SIS-R5744 changed to 6404.01

SIC-1694 Minimum Wait for 'Next'

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided

	which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA
Priority	low
Analyst	Dana Istratescu
Identifier	351
Request status	ACCEPTED

Artifact Content

Description:

=====

In ICD the "Wait for Minimum Next" algorithm should be consistent with what is implemented. Currently, the timeout of each message starts when the message is pulled from the bridge; this must be clarified in the ICD.

It must also be checked what to do once the timeout has been reached.

Action to be taken:

=====

The "Wait for Minimum Next" algorithm in the ICD must be changed.

Action taken:

=====

Section 5.5.6.2 The "WAIT FOR MINIMUM NEXT" algorithm has been modified:

The algorithm was described more precisely (see Step 3), the picture of the algorithm was removed, because it is no longer valid.

Description:

=====

In the current ICD the "Wait for Minimum Next" algorithm should be clarified to be in concordance with its current implementation.

At this moment the timeout of each message starts when the message is pulled from the bridge; this has to be clarified on the ICD.

Also has to be verified what has to be done once the timeout has been reached.

Action(s) To Be Taken:

=====

The ICD has to be changed regarding the "Wait for Minimum Next" algorithm.

Action(s) taken:

=====

The section 5.5.6.2 'WAIT FOR MINIMUM NEXT' ALGORITHM has been modified:

The algorithm has been described more precisely (see Step 3), the figure of the algorithm has been removed, because it is not valid anymore.

SIC-1691 Inconsistencies regarding supported input formats for fragmented queries in

sisii-queries.v1.71 of DTS 1.32

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Dana Istratescu
Identifier	352
Request status	ACCEPTED

Artifact Content

Description:

=====

There are some inconsistencies with these examples regarding the supported input formats for fragmented queries in sisii-queries.v1.71 of DTS 1.32 pt 4.1.3.2.2.

1. Mismatches for the incomplete date format in the database.

The following data formats are provided by SIS II to solve the problem of incomplete data:

Unknown day and month: YYYY0000

Unknown day: YYYYMM00

These formats can be used for data entry and queries. If it is used for queries, both incomplete data in the system and data containing years, respectively year and month will be found.

However, it can be observed:

A search for the full date "19710812" will find the data stored in SIS II as follows:

19710812

19710800

19710000

19710012
1971
197108

2. Inconsistencies on the fragmented search should extract

According to this paragraph in the document:

A search for the full date "19710812" will find the data stored in SIS II like this:

19710812
19710800
19710000
19710012
1971
197108

Action to be taken:

=====

In the CommonDataTypes.xsd file, changing the configuration and PseudoDateType

PseudoDateQueryType does not allow to make a date of type YYYY00DD.

The proposed model is: (18 \ d \ d | 19 \ d \ d | 20 [0-4] \ d | 2,050) (((0 [1-9] | 1 [0-2]) ([0 - 2] \ d | 3 [0-1])))(0000))

Action taken:

=====

In the CommonDataTypes.xsd file, changing the configuration and PseudoDateType

PseudoDateQueryType does not allow to make a date of type YYYY00DD.

The proposed model is: (18 \ d \ d | 19 \ d \ d | 20 [0-4] \ d | 2,050) (((0 [1-9] | 1 [0-2]) ([0 - 2] \ d | 3 [0-1])))(0000))

Description:

=====

There are some inconsistencies on these following sentences in regards to allowed input formats for fragmentary searches in sisii-queries.v1.71 of DTS 1.32 section 4.1.3.2.2.

1. Inconsistencies for allowed incomplete data format in the database.

In that section, this statement can be found

The following data formats are offered by SIS II to deal with incomplete dates:

Unknown day and month: YYYY0000

Unknown day: YYYYMM00

These formats can both be used for entering data and for queries. If used for queries, both the incomplete dates in the system and dates containing the year respectively year and month will be found.

However, a couple paragraphs below in the example section, this paragraph can be observed:

A search for the complete date 19710812 will find dates stored in SIS II as such

19710812
19710800
19710000
19710012
1971
197108

Should "19710012" format NOT be allowed during alert creation / update?

2. Inconsistencies regarding what the fragmented search using complete data should retrieve

According to this paragraph in the document:

A search for the complete date 19710812 will find dates stored in SIS II as such

19710812

19710800

19710000

19710012

1971

197108

Shouldn't "19710012" data not be returned?

Action(s) To Be Taken:

=====

In CommonDataTypes.xsd change the pattern of PseudoDateType and PseudoDateQueryType to not allow a date like YYYY00DD.

The proposed pattern is: (18\d\d19\d\d20[0-4]\d2050)((((0[1-9]|1[0-2])([0-2]\d3[0-1]))(0000))

Action(s) Taken:

=====

In CommonDataTypes.xsd change the pattern of PseudoDateType and PseudoDateQueryType to not allow a date like YYYY00DD.

The proposed pattern is: (18\d\d19\d\d20[0-4]\d2050)((((0[1-9]|1[0-2])([0-2]\d3[0-1]))(0000))

SIC-1690 Binary Broadcast: The Binary Hash must be checked against the Binary Hash received in the textual Broadcast

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA
Priority	low
Analyst	Dana Istratescu
Identifier	353
Request status	ACCEPTED

Artifact Content

Description:

=====

The National System must apply Broadcast Binary if it is consistent with the current alert version. Afterwards, the National System will check the HashBinary from the Broadcast Binary against the expected hash value of the binary which is equal to the HashBinary received in the Text Broadcast of the signaling.

Action to be taken:

=====

SISII-ICD.doc must be updated.

Action taken:

=====

SISII-ICD.doc updated

The next chapter has been added

6.1.8.4.1.5.3 Binary Broadcast

Description:

=====

The National System must apply a binary broadcast if it is consistent with the current version of the alert. Consequently, the National System will check the HashBinary from the broadcast binary against the expected hash value of the binary which is equal to the HashBinary received in the alert textual broadcast.

Action(s) To Be Taken:

=====

SISII-ICD.doc must be updated.

Action(s) Taken:

=====

SISII-ICD.doc updated

Addition of the following chapter

6.1.8.4.1.5.3 Binary Broadcast

SIC-1689 Remove Broadcast Binary if the list or binary has been deleted

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed

	analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA
Analyst	Dana Istratescu
Identifier	354
Request status	ACCEPTED

Artifact Content

Description:

=====

If the signaling has been deleted or a binary has been deleted in the National System, the Binary Broadcast is abandoned.

Action to be taken:

=====

SISII-ICD.doc must be updated.

Action taken:

=====

SISII-ICD.doc updated

* 6.1.8.4.1.5.3 Binary Broadcast

- Additional addition of this section, which describes the possible reactions for binary data in NS.

Description:

=====

If the alert has been deleted or the binary has been deleted into the National System, the binary broadcast is discarded.

Action(s) To Be Taken:

=====

SISII-ICD.doc must be updated.

Action(s) Taken:

=====

SISII-ICD.doc updated

* 6.1.8.4.1.5.3 Binary Broadcast

--> Addition of this section, which describes the possible reactions of a NS on a binary broadcast.

SIC-1688 Broadcast Rejection (Delete Signaling) if the Link remains attached to Signaling

Attributes

Attribute	Value
Artifact Type	Software Requirements

Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Dana Istratescu
Identifier	355
Request status	ACCEPTED

Artifact Content

Description:

=====

After deleting an alert from the National System, if any link remains attached to the alert in the National Copy, the broadcast must be rejected.

Action to be taken:

=====

SISII-ICD.doc must be updated

Action taken:

=====

SISII-ICD.doc updated

* 6.1.8.4.1.5.1 Alert Broadcast

-> This section was added to describe in detail the possibility of a national system to reject a broadcast - also in the case of deleting a signal.

Description:

=====

After the deletion of an alert into the National System, if any link remains attached to the alert in the National Copy, the broadcast must be rejected.

Action(s) To Be Taken:

=====

SISII-ICD.doc must be updated

Action(s) Taken:

=====

SISII-ICD.doc updated

* 6.1.8.4.1.5.1 Alert Broadcast

--> this section has been added for describing in detail the possibility of a national system to react on a broadcast - also in case of the deletion of an alert.

SIC-1687 Broadcast Rejection (Delete Signaling) until the Signaling is created

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Dana Istratescu
Identifier	356
Request status	ACCEPTED

Artifact Content

Description:

=====

When you delete an alert, the Broadcast of the deletion contains the SchengenID so that the NC can delete the alert, in turn.

However, if the signaling does not yet exist, the National System must reject the Broadcast until the signaling has been created.

Action to be taken:

=====

It was added to SISII-ICD.doc, the "Operation Broadcast" chapter

Action taken:

=====

SISII-ICD.doc updated

* 6.1.8.4.1.5.1 Alert Broadcast

-> This chapter was added to describe the possibility of a national system to reject a broadcast.

Description:

=====

When deleting an alert, the delete broadcast contains the SchengenID in order that the National Copy deletes the alert in its database.

Nevertheless, if the alert does not exist yet, the National System has to reject this Broadcast until the alert has been created.

Action(s) To Be Taken:

=====

Addition of the precision in SISII-ICD.doc, chapter "Operation Broadcast"

Action(s) Taken:

=====

SISII-ICD.doc updated

* 6.1.8.4.1.5.1 Alert Broadcast

--> Addition of this chapter, which describes the possibilities of the NS to react on a broadcast.

SIC-1686 Move Broadcast operation from ordered channels to unordered channels

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA
Priority	low
Analyst	Andrei Popovich
Identifier	357

Request status	ACCEPTED
----------------	----------

Artifact Content

Description:

=====

Later at the proof of concept (POC) regarding broadcast processing, it was revealed that further improvements could be achieved.

During the POC it was noticed that due to parallelization, the broadcasts were no longer strictly ordered. Therefore, it was not relevant to send them through the orderly channel.

Solution:

=====

Broadcasts are moved from ordered channels to unordered JMS channels.

Since the dump reports must be on the same channel as the broadcast, the dump reports are also moved to unordered channels.

This solution brings the following advantages:

- Skip the reordering mechanisms on the CS side (and, finally, in the NS). (Waiting for the next minimum), in the broadcast processing.
- MessageIDs can be generated with gaps in the sequence and eventually unordered. This will increase the performance at the CS and NS ends (some closures in the BD relative to id generation are skipped).
- Leave the channel ordered only for CUD messages (requests and responses).

Actions to follow:

=====

Permutation of broadcast and memory report messages from ordered channel to unordered channel in SISII-ICD.doc.

Actions followed:

=====

SISII-ICD.doc updated

5.16.3.3.2 COMMUNICATION CHANNELS

The following sentence has been modified from

"There are two asynchronous communication channels, one supports message reordering (CUD and SISII broadcast) and one does not (notifications, SISII Data Consistency, etc) - see above."

to

"There are two asynchronous communication channels, one supports message reordering (CUD), and one does not (SISII broadcast and notifications, SISII Data Consistency, etc.) - see above."

5.2.2 COMMUNICATION CHANNELS

Broadcast moved from "Asynchronous Request/Response with ordering" to "Asynchronous Request/Response without ordering"

The following sentence has changed from

"Furthermore, the overall performance of the system will be increased as we reduce the one-by-one processing of individual CUDs and broadcasts (for which there is a need, in fact), and not by, for example, blocking CUD due to demand reports."

to

"Change processing performance (CUD) is optimized, due to the use of a dedicated channel. For example, changes are not blocked by another reporting activity.."

5.3.5.3-What technical protocol instances exist and where are their operational parameters to be found?

The following sentence was modified from

"The ordered channel is used for broadcast."

to

"The unordered channel is used for broadcast."

5.3.5.5-What is the step-by-step procedure for processing the broadcast from a technical point of view?

The following sentence was modified from:

"NS posts JMS messages to its local ordered output queue. When the message is successfully placed on the queue, it receives a JMS acknowledgment.

The CS Message Bridge takes the message and transfers it to the CS ordered input queue. "

to

"NS posts JMS messages to its local unordered output queue. When the message is successfully placed on the queue, it receives a JMS acknowledgment.

The CS Message Bridge takes the message and transfers it to the CS unordered input queue. "

6.1.4 Operations vs channel arrays

Broadcast operation moved from "Ordered" to "Unordered"

ApplyDataDumpReport operation moved from "Ordered" to "Unordered"

7.1.1.2 Operations related to CUD (Create Update Delete)

"Orderly" changed to "Unordered"

SISII-ICD_DataConsistency_AdditionalNotes.doc updated

7. Note 6: BROADCAST SUBSCRIPTIONS / DATA ACCESS RIGHTS

CSApplyDataDumpReport moved from "ordered" to "unordered"

7.2 Serialized application

The following sentence modified from

"Furthermore, two more options are available to them in this scheme, regarding Broadcast buffering:"

to

"Furthermore, one more option is available in this scheme, regarding Broadcast buffering:"

The following sentence modified from

"Online" solution: the member states keep their orderly queue online and keep the received Broadcasts; they are responsible for storing them until Broadcast processing can be resumed.

to

"Online" solution: member states keep the Broadcasts received; they are responsible for storing them until Broadcast processing can be resumed.

The following sentence was removed:

"Online" solution: member states close their orderly queue; Broadcasts are buffered on the Central System queue.

Description:

=====

Consecutive to the proof of concept on broadcast processing, it has been brought out that further improvements could be reached.

During the POC it has been noticed that thanks to parallelisation broadcasts were no longer strictly ordered. Therefore, it was not relevant to send them through the ordered channel anymore.

Solution:

=====

Broadcasts are moved from ordered to unordered JMS channel.

As Dump reports have to be on the same channel as the broadcast, the dump reports are also moved to an unordered channel.

This solution brings the following advantages:

- Skip the reordering mechanisms on CS (and eventually in NS) side (Wait for minimum next) in the broadcast processing
- MessageIDs can be generated with gaps and possibly unordered. This will increase performance on CS and NS sides (skip of some DB locks on id generation).
- Leaves the ordered channel for CUD messages only (Requests and Responses).

Action(s) To Be Taken:

=====

Switch broadcast and dump report message from ordered to unordered channel in SISII-ICD.doc.

Action(s) Taken:

=====

SISII-ICD.doc updated

5.16.3.3.2 COMMUNICATION CHANNELS

Following sentence changed from

"Two asynchronous communication channels exist; one supporting the reordering of the messages (CUD and SISII broadcasts) and one not (notifications, SISII Data Consistency, etc) - see above."

That

"Two asynchronous communication channels exist; one supporting the reordering of the messages (CUD) and one not (SISII broadcasts and notifications, SISII Data Consistency, etc) - see above."

5.2.2 COMMUNICATION CHANNELS

Broadcast moved from "Asynchronous Request Response with Ordering" to "Asynchronous Request Response without Ordering"

Following sentence changed from

"Moreover, the overall system performance will be increased as we reduce the ordered one-by-one processing to the sole CUDs and broadcasts (for which it is actually needed) and by not, for example, blocking CUD due to reporting requests."

to

"The performances of processing the changes (CUD) are optimized due to the use of a dedicated channel. For instance, the changes are not blocked by another reporting activity."

5.3.5.3- What technical protocol instances do exist and where are their operational parameters to be found?

Following sentence changed from

"The ordered channel is used for broadcasts."

to

"The unordered channel is used for broadcasts."

5.3.5.5- What is the step by step procedure for processing the broadcast technically speaking?

Following sentence changed from

"The NS posts the JMS message in its locally ordered output queue. When the message is successfully queued, it receives a JMS acknowledgement.

The CS Message Bridge picks the message and transfers it in the CS ordered input queue. "

to

"The NS posts the JMS message in its local unordered output queue. When the message is successfully queued, it receives a JMS acknowledgement.

The CS Message Bridge picks the message and transfers it in the CS unordered input queue. "

6.1.4 OPERATIONS VERSUS MATRIX CHANNELS

Broadcast operation moved from "Ordered" to "Unordered"

ApplyDataDumpReport operation moved from "Ordered" to "Unordered"

7.1.1.2 Operations related to CUD (Create Update Delete)

Ordered changed by Unordered

SISII-ICD_DataConsistency_AdditionalNotes.doc updated

7. NOTE 6: BROADCAST SUBSCRIPTIONS / DATA ACCESS RIGHTS

CSApplyDataDumpReport moved from "Ordered" to "Unordered"

7.2 SERIALIZED APPLICATION

Following sentence changed from

"Moreover, two more options are available to them in this scheme, regarding the Broadcast buffering:"
That

"Moreover, one more option is available to them in this scheme, regarding the Broadcast buffering:"

Following sentence changed from

"Online" solution: Member States keep their ordered queue online and keep receiving Broadcasts; they are in charge of storing them until Broadcast processing can be resumed.

That

"Online" solution: Member States keep receiving Broadcasts; they are in charge of storing them until Broadcast processing can be resumed.

The following sentence has been removed

"Offline" solution: Member States shut down their ordered queue; Broadcasts are buffered in the Central System queue.

SIC-1685 The "FileSize" field of the Binary metadata must have a length restriction

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the

	detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Priority	tall
Analyst	Dana Istratescu
Identifier	358
Request status	ACCEPTED

Artifact Content

Description:

=====

The binary metadata "FileSize" field must have a length restriction.

Reference:

Defect 85

ICD 2.5.3, "FileSize" field of binary metadata

Possible problem:

The "FileSize" field of binary metadata has no length restriction.

Solution:

=====

Added length restriction to "FileSize" field of binary metadata. The maximum length should be no more than 18 digits.

The CMB decision of November 3, 2009 suggests having fewer characters.

Action to be taken:

=====

Add length restriction to "FileSize" header of binary metadata.

Maximum length should be no more than 10 digits.

Action taken:

=====

In the AlertDataTypes.xsd file, a 10-digit length restriction was added for the FileSizeType field.

Description:

=====

Field "FileSize" of Binary Metadata need to have a restriction in length

References:

Defect 85

ICD 2.5.3, field FileSize of Binary Metadata

Potential Problem:

The field "FileSize" of Binary Metadata has no restriction in length.

When driving a maximum test case it was observed that JAVA classes generated for this field throw exceptions when filled with numerical values greater than 2exp63-1 (long definition of JAVA).

Nevertheless, the XML parser can accept larger values than that.

Solution:

Add length restriction to field "FileSize" of Binary Metadata. Maximum length should be 18 digits at most.

CMB decision of 3 November 2009 suggests to have a smaller limit.

Action(s) To Be Taken:

=====

Add length restriction to field "FileSize" of Binary Metadata.

Maximum length should be 10 digits at most.

Action(s) Taken:

=====

In AlertDataTypes.xsd, addition of a length restriction of 10 digits on the FileSizeType field.

SIC-1684 POC DCC: Adaptation of the data consistency check (DCC) in the sense of creating a simplified DCC (DCC Light)

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Priority	tall
Analyst	Andrei Popovich
Identifier	359
Request status	ACCEPTED

Artifact Content

Description:

=====

In 2008, COM, MS and HPS held a meeting aimed at addressing several issues related to data coherence in SISII which led to a workshop.

During this workshop held at the Steria headquarters, the participants agreed to start discussions on several technical topics: Queries, the Data Consistency process and Broadcasting.

To speed up the restoration process when a Member State knows that part of its national copy is inconsistent or corrupt, the "Light" process (reduced to a few functionalities) can be used to correct anomalies faster than with the traditional process, thus reducing the number of steps before restoration. In the "Light" process, the hard-cap limit ceiling, which would have triggered a full Data Dump, is removed. This can lead to huge restore reports if, for example, MSs issue requests from the first UBN to the last.

The standard process remains because it is intended to be used to discover and correct undetected anomalies.

Solution:

=====

> A new DCC (Data Consistency Check) "Light", without snapshot and comparison functionalities.

> Increasing the hard-cap cap to allow more alerts to be restored via "Light" DCC.

It involves the following

=====

- Modification of the XSD scheme

- Adding a boolean variable to NSRequestComparison and CSPerformSnapshot messages

- Modification of DCC logic within CS

> When the Flag is set, update the process as follows:

No extraction process for field to field comparison.

No process to compare results

No limitation on discrepancies

Otherwise, DCC remains as it was

Actions to be taken:

=====

- Added a boolean to determine if DCC is the normal version or the "Light" version for

- > NSRequestComparison

- > CSPerformSnapshot

- The central system looks for the last sent UBN of a national system during the preparation of a Snapshot and sends this value back in the CSPerformSnapshot message. Therefore, the LastProcessedUBN element will be renamed to LastSentUBN.

LastProcessedUBN will be removed from messages:

- > NSPerformSnapshot (Report)

- > NSPerformExtraction (Report)

Data check will not include more than 1 loop (to be confirmed by Hans)

Maximum discrepancies are up to 500,000 (instead of 10), for both DCC and DCC Light

Actions taken:

=====

Changes to XSDs:

- * Changed NSRequestComparison.Request, CSPerformSnapshot.Request messages

- > Added <DCCLight> boolean element

- * Changed CSPerformSnapshot.Request message

- > Added <LastSentUBN>

- * Change in NSPerformSnapshot.Report, NSPerformExtraction.Report.Data

- > Remove <LastSentUBN>

Changes in SISII-ICD.doc:

- * Modification of section 6.1.8.6.2.3

- > Added a <Note: maximum discrepancies>
- > Changed the figure for the CSPerformSnapshot.Request message
- > Changed the figure for the NSPerformSnapshot.Response message
- > Changed the figure for the NSPerformSnapshot.Report message
- Modification of the explanations regarding the new figures
- * Modification of section 6.1.8.6.1.3
- > Changed the figure for the CSRequestComparison.Response message
- > Changed the figure for the Comparison.Request message
- Modification of the explanations regarding the new figures
- * Modification of section 6.1.8.6.3.3
- > Changed the figure for the CSPerformExtraction.Request message
- > Changed the figure for the NSPerformExtraction.Response message
- > Changed the figure for the NSPerformExtraction.Report message
- Modification of the explanations regarding the new figures
- * Modification of section 6.1.8.6.4.3
- > Changed the figure for the CSProcessComparisonResults.Report message
- > Changed the figure for the CSProcessComparisonResults.Request message
- > Changed the figure for the NSProcessComparisonResults.Response message
- > Changed the figure for the NSProcessComparisonResults.Report message
- Modification of the explanations regarding the new figures
- * Modification of section 6.1.8.6.5.3
- > Changed the figure for the message CSApplyRestorationReport.Report
- > Changed the figure for the CSApplyRestorationReport.Request message
- > Changed the figure for the NSApplyRestorationReport.Response message
- Modification of the explanations regarding the new figures
- * Modification of section 6.1.8.6.6.3
- > Changed the figure for the NSScheduleDataDump.Request message
- > Changed the figure for the CSScheduleDataDump.Response message
- Modification of the explanations regarding the new figures
- * Modification of section 6.1.8.6.7.3
- > Changed the figure for the CSApplyDataDumpReport.Report message
- > Changed the figure for the CSApplyDataDumpReport.Request message
- > Changed the figure for the NSApplyDataDumpReport.Response message
- Modification of the explanations regarding the new figures
- * Modified section 5.2.12 PERFORM NATIONAL COPY CONSISTENCY CHECK

COMMUNICATION USE CASE

- > Added a few paragraphs about the DCC Light process
- > Added figure 47 "sequence for performing a simplified data consistency check (DCC Light) on the national copy"
- * Modified section 6.1.8.6.1 << OPERATION >> REQUESTCOMPARISON
- > Added note:
"Note: In addition to the normal process of checking data consistency on flags (with Flags), links or binaries, with this operation a user can also mark such a process as a "Light" data consistency check (compare 5.2.12)"

NOTE: due to the addition of a figure, the numbers of all successive figures have been changed and, of course, the references to these figures in the text.

Description:

=====

In 2008, COM, MS and HPS held a meeting that aimed to address several issues related to data consistency in the SISII leading to a workshop. During this workshop held in Steria premises, the participants agree to start discussions on several technical subjects: Queries, Data consistency process and Broadcasting. To speed up the restoration process when a MS knows that a portion of his National Copy is inconsistent or corrupt, the "Light" process can be exploited to correct the anomalies faster than with the traditional process reducing the number of steps before restoration. In the "Light" process, the hard cap limit that would have triggered a full Data Dump is removed. This can potentially lead to huge Restoration Reports if, for example, the MS requests from the first UBN to the last.

The standard process remains because it is meant to be used to discover and correct undetected anomalies.
Solution:

=====

- > New DCC Light bypassing snapshot and comparison.
- > Increased limit for capping allowing to restore more alerts via DCC light.

It implies the following

=====

- Modification of XSD's
- > Addition of a Boolean in the NSRequestComparison and CSPerformSnapshot messages
- Modify DCC logic within the CS
- > When the flag is set, update the process as follows:
No extraction process for the field to field comparison
No comparison results process
No limitation on discrepancies
Otherwise the DCC remains as it was

Action(s) To Be Taken:

=====

- Addition of a Boolean to determine if the data consistency check is normal version or light version for
- > NSRequestComparison
- > CSPerformSnapshot
- The Central System searches the Last Sent UBN of a National System during the preparation of a Snapshot and sends the value back in the CSPerformSnapshot message. For that the element LastProcessedUBN will be renamed to Last Sent UBN.

The LastProcessedUBN will be removed from the messages:

- > NSPerformSnapshot (Report)
- > NSPerformExtraction (Report)

The data check will include no more than 1 loop (to be confirmed by Hans)
Maximum discrepancies are up to 500,000 (instead of 10) for both DCC and DCC Light.

Action(s) taken:

=====

Changes to the XSDs:

- * Changed the message NSRequestComparison.Request, CSPerformSnapshot.Request
- > add boolean element <DCCLight>
- * Changed the message CSPerformSnapshot.Request
- > add <LastSentUBN>
- * change in NSPerformSnapshot.Report, NSPerformExtraction.Report.Data
- > remove the <LastSentUBN>

Changes in the SISII-ICD.doc:

- * changed section 6.1.8.6.2.3

--> Add a <Note: Maximum discrepancies>
--> exchanged the figure for the message CSPerformSnapshot.Request
--> exchanged the figure for the message NSPerformSnapshot.Response
--> exchanged the figure for the message NSPerformSnapshot.Report
--> modification of the explanation regarding the new figures
* changed section 6.1.8.6.1.3
--> exchanged the figure for the message CSRequestComparison.Response
--> exchanged the figure for the message NSRequestComparison.Request
--> modification of the explanation regarding the new figures
* changed section 6.1.8.6.3.3
--> exchanged the figure for the message CSPerformExtraction.Request
--> exchanged the figure for the message NSPerformExtraction.Response
--> exchanged the figure for the message NSPerformExtraction.Report
--> modification of the explanation regarding the new figures
* changed section 6.1.8.6.4.3
--> exchanged the figure for the message CSProcessComparisonResults.Report
--> exchanged the figure for the message CSProcessComparisonResults.Request
--> exchanged the figure for the message NSProcessComparisonResults.Response
--> exchanged the figure for the message NSProcessComparisonResults.Report
--> modification of the explanation regarding the new figures
* changed section 6.1.8.6.5.3
--> exchanged the figure for the message CSApplyRestorationReport.Report
--> exchanged the figure for the message CSApplyRestorationReport.Request
--> exchanged the figure for the message NSApplyRestorationReport.Response
--> modification of the explanation regarding the new figures
* changed section 6.1.8.6.6.3
--> exchanged the figure for the message NSScheduleDataDump.Request
--> exchanged the figure for the message CSScheduleDataDump.Response
--> modification of the explanation regarding the new figures
* changed section 6.1.8.6.7.3
--> exchanged the figure for the message CSApplyDataDumpReport.Report
--> exchanged the figure for the message CSApplyDataDumpReport.Request
--> exchanged the figure for the message NSApplyDataDumpReport.Response
--> modification of the explanation regarding the new figures
* changed section 5.2.12 PERFORM NATIONAL COPY CONSISTENCY CHECK
COMMUNICATION USE CASES
--> add some passage about the DCC-light process
--> add figure 47 "Sequence for performing a national copy consistency check light"
* changed section 6.1.8.6.1 << OPERATION >> REQUESTCOMPARISON
--> adding a note:
"Note: Besides the normal data consistency process on alerts (with flags), links or binaries, with this operation a user can also flag such a process as a data consistency light process (compare 5.2.12)."
REMARK: due to adding a figure, the numbers of all successive figures have been changed and of course some references to the figures in the text, too.

SIC-1683 POC DCC: Adaptation of DCC to Broadcast (DCC for Binaries)

Attributes

Attribute	Value
-----------	-------

Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions made on the DTS
Analyst	Dana Istratescu
Identifier	360
Request status	ACCEPTED

Artifact Content

Description:

=====

In 2008, COM, MS and HPS held a meeting aimed at addressing several issues related to data coherence in SISII.

During this workshop that took place at the Steria headquarters, the participants agreed to start discussions on the following technical topics: Queries, Data consistency and Broadcasting.

Consequent to the changes regarding the broadcast process, the data consistency check (DCC) must be aligned to restore the NC in a consistent manner.

Solution:

=====

Create a separate stream for binary data

- Modifying the XSD
- Added binary data lists to Discrete Modifiers
- Added binary data lists to Snapshot Report
- Snapshot comparison:
 - > on HashBinary
 - > UBN binary data
- Changes in reports
 - > Adding binary data lists to Extraction Report
 - > Adding binary data lists to Comparison Report

> Adding binary data lists to Restoration Report

-> All binary lists are sorted by Binary ID

Action to be taken:

=====

1 - Update Discrete Modifier for binary to allow NS to compare only binary data.

- Adding lists of BinaryIDs

- Separation between the BinaryID list and the SchengenID and/or LinkID list
for CSPerformSnapshot

> NSRequestComparison

> CSPerformExtraction

2- Adding the list of "Data / SDBs" binaries for

> NSPerformSnapshot (Report)

Each element in the list will contain the BinaryID, UBN of binary data and the hash value of the binary data

> NSPerformExtraction (Report)

Each item in the list will contain the Binary ID, CSURN, the Schengen ID of the signal that contains binary data

- Adding "RestorationReport / binaries" binaries list for

> CSApplyRestorationReport (Report)

Each item in the list will contain the binary UBN, the Schengen Signaling ID containing the binary, the binary ID, the binary data

- Addition to the list of "CMP / CMPB" binary data for

> CSProcessComparisonResults (Report)

> NSProcessComparisonResults (Report)

Each item in the list will include: Binary UBN, Schengen Alert ID containing Binary Binary ID, list of inconsistencies

Action taken:

=====

Changes in XSD:

* Changed the NSRequestComparison message

-> Add <BinaryIDsToCompare> to

NSRequestComparison.Request.ComparisonModifierChoice.DiscreteModifier

* Changed CSPerformSnapshot message

-> Add <BinaryIDsToCompare> to

CSPerformSnapshot.Request.ComparisonModifierChoice.DiscreteModifier

* Changed CSPerformExtraction message

-> Add <BinaryIDsToCompare> to CSPerformExtraction.Request.DiscreteModifier

* Changed NSPerformSnapshot message

-> Add <SDBs> to NSPerformSnapshot.Report.Data

-> Remove <SDFs> from NSPerformSnapshot.Report.Data

* Changed NSPerformExtraction message

-> Add <EDBs> to NSPerformSnapshot.Report.Data

-> Remove <EDFs> from NSPerformSnapshot.Report.Data

* Changed CSApplyRestorationReport message

-> Add <Binaries> to CSApplyRestorationReport.Report.RestorationReport

-> Remove <Flags> from CSApplyRestorationReport.Report.RestorationReport

* Changed CSProcessComparisonResults message

-> Add <CMPB> to CSProcessComparisonResults.Report.Data.ComparisonResultsEntries.CMP

-> Remove <CMPF> from CSProcessComparisonResults.Report.Data.ComparisonResultsEntries.CMP

* Changed NSProcessComparisonResults message
-> Add <CMPB> to NSProcessComparisonResults.Report.Data.ComparisonResultsEntries.CMP
-> Remove <CMPF> from NSProcessComparisonResults.Report.Data.ComparisonResultsEntries.CMP

Description:

=====

In 2008, COM, MS and HPS held a meeting that aimed to address several issues related to data consistency in the SISII leading to a workshop.
During this workshop held in Steria premises, the participants agree to start discussions on several technical subjects: Queries, Data consistency process and Broadcasting.
Consecutive to the modifications on broadcast processing, the Data Consistency Check must be aligned to restore NC in a coherent way.

Solution:

=====

Create a separate check flow for Binaries

- Modification of XSD's
- Addition of list of Binary ID in the Discrete Modifiers
- Addition of list of Binaries in the Snapshot Report
- Snapshot comparison:
 - > on Hash Binary
 - > UBN of the Binary
- Changes in reports
 - > Addition of list of Binaries in the Extraction Report
 - > Addition of list of Binaries in the Comparison Report
 - > Addition of list of Binaries in the Restoration Report
- > All lists of binaries are sorted on Binary Id

Action(s) To Be Taken:

=====

1 - Update of the Discrete Modifier for binaries in order to allow NS to perform comparison only on binary data.

- Addition of list of BinaryIDs
- Separation between list of BinaryIDs and list of SchengenIDs and/or LinkIDs

for > CSPerformSnapshot

- > NSRequestComparison
- > CSPerformExtraction

2- Addition of the list of binaries "Data/SDBs" for

- > NSPerformSnapshot (Report)

Each item of the list will contain the binaryId, the UBN of the binary and the hash value of the binary

- > NSPerformExtraction (Report)

Each item of the list will contain the Binary ID, the CSURN, the Schengen ID of the alert containing the binary, the UBN of the binary and the binary data.

.

- Addition of the list of binaries "RestorationReport/Binaries" for

- > CSApplyRestorationReport (Report)

Each items of the list will contain the UBN of the binary, the Schengen ID of the alert containing the binary, the Binary ID, the Binary Data

- Addition of the list of binaries "CMP/CMPB" for

- > CSProcessComparisonResults (Report)

> NSProcessComparisonResults (Report)

Each item of the list will contain: the UBN of the binary, the Schengen ID of the alert containing the binary the Binary ID, the list of Discrepancies

Action(s) Taken:

=====

Changes in the XSD:

* Changed the message NSRequestComparison

--> add <BinaryIDsToCompare> to

NSRequestComparison.Request.ComparisonModifierChoice.DiscreteModifier

* Changed the message CSPerformSnapshot

--> add <BinaryIDsToCompare> to

CSPerformSnapshot.Request.ComparisonModifierChoice.DiscreteModifier

* Changed the message CSPerformExtraction

--> add <BinaryIDsToCompare> to CSPerformExtraction.Request.DiscreteModifier

* Changed the message NSPerformSnapshot

--> add <SDBs> to NSPerformSnapshot.Report.Data

--> remove <SDFs> from NSPerformSnapshot.Report.Data

* Change the message NSPerformExtraction

--> add <EDBs> to NSPerformSnapshot.Report.Data

--> remove <EDFs> from NSPerformSnapshot.Report.Data

* Changed the message CSApplyRestorationReport

--> add <Binaries> to CSApplyRestorationReport.Report.RestorationReport

--> remove <Flags> from CSApplyRestorationReport.Report.RestorationReport

* Changed the message CSProcessComparisonResults

--> add <CMPB> to CSProcessComparisonResults.Report.Data.ComparisonResultsEntries.CMP

--> remove <CMPF> from CSProcessComparisonResults.Report.Data.ComparisonResultsEntries.CMP

* Changed the NSProcessComparisonResults message

--> add <CMPB> to NSProcessComparisonResults.Report.Data.ComparisonResultsEntries.CMP

--> remove <CMPF> from NSProcessComparisonResults.Report.Data.ComparisonResultsEntries.CMP

SIC-1682 POC DCC: Adaptation of Data Consistency Check (DCC) to Broadcast and DataDump

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the

	detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Priority	tall
Analyst	Dana Istratescu
Identifier	361
Request status	ACCEPTED

Artifact Content

Description:

=====

In 2008, COM, MS and HPS held a meeting aimed at addressing several issues related to data coherence in SISII.

During this workshop that took place at the Steria headquarters, the participants agreed to start discussions on the following technical topics: Queries, Data consistency and Broadcasting.

Consequent to the changes regarding the broadcast process, the data consistency check (DCC) must be aligned to restore the NC in a consistent manner.

Solution:

=====

- > Flagging, along with all associated Flags
- > Only one identifier for the campaign;
- > Binary meta data and hash binaries will be considered in flagging verification.

Action to be taken:

=====

- > New XSD's
- > DCC management as Broadcast
- > Updates for FLAGS:
- > Removal of FLAG entities in messages;
- > Updates for alerts:
- > Add FLAGS
- > For each binary in Signals, the addition of binary metadata and hash in the textual data
- > Removing NSTrackingID;
- > LastProcessed UBN
- > LastProcessed UBN renamed LastSentUBN and sent to CS
- > LastSentUBN is retrieved from the HIST.PERUSERUBN table

Actions taken:

=====

- * Changed CSBroadcast message
- > Removing <Flag> from CSBroadcast.Broadcast
- > Added <Binary> to CSBroadcast.Broadcast
- > Added <Flags> to CSBroadcast.Broadcast.Alert.Data
- > Changed the name from <LinkIDs> to <link> for CSBroadcast.Broadcast.Alert.Data, which contains a

list of all links, of a signal, in case the alert will be deleted

-> All pictures in CSBroadcast.Broadcast.Alert.BinaryData are changed to a HashBinary value and Meta Data is added there

* Change to CSPerformSnapshot, NSPerformSnapshot.Response, NSPerformSnapshot.Report, CSPerformExtraction, NSPerformExtraction.Response, NSPerformExtraction.Report, CSApplyRestorationReport.Report, CSApplyRestorationReport.Response, NSApplyRestorationReport.Response, NSProcessComparisonResults.Response, NSProcessComparisonResults.Report, CSProcessComparisonResults.Report, CSProcessComparisonResults.Response, NSApplyDataDumpReport.Response, NSScheduleDataDump.Request, CSApplyDataDumpReport.Report, CSScheduleDataDump.Response

-> Removed <NSTrackingID>

* Changed to CSPerformSnapshot

-> Added <LastSentUBN> to CSPerformSnapshot.Request

* Changed to NSPerformSnapshot.Report, NSPerformExtraction.Report.Data

-> Removed <LastSentUBN>

Description:

=====

In 2008, COM, MS and HPS held a meeting that aimed to address several issues related to data consistency in the SISII leading to a workshop.

During this workshop held in Steria premises, the participants agree to start discussions on several technical subjects: Queries, Data consistency process and Broadcasting.

Consecutive to the modifications on broadcast processing and data dump, the Data Consistency Check must be aligned to restore NC in a coherent way.

Solution:

- =====
- > Alert along with all its Flags;
 - > Only one identifier for the campaign;
 - > Binary meta data and binary hash shall be considered in check alert.

Action(s) To Be Taken:

- =====
- > New XSD's
 - > Manage DCC as Broadcast
 - > Updates for Flags:
 - > Remove entity flags in messages;
 - > Updates for Alerts:
 - > Addition of flags (Alert with their flags)
 - > For each binary of the Alert, addition of metadata & hash binary in textual data
 - > Remove of NSTrackingID;
 - > Last Processed UBN
 - > LastProcessedUBN renamed to LastSentUBN and sent by the CS
 - > LastSentUBN is recovered from the table HIST.PERUSERUBN

Actions Taken:

- =====
- * changed the CSBroadcast message
 - > remove the <Flag> from the CSBroadcast.Broadcast
 - > add <Binary> to the CSBroadcast.Broadcast
 - > add <Flags> to CSBroadcast.Broadcast.Alert.Data
 - > exchange <LinkIDs> to <Link> in CSBroadcast.Broadcast.Alert.Data, which contains a list of all the

links of an alert if the alert will be deleted
--> in all pictures in the CSBroadcast.Broadcast.Alert the BinaryData is exchanged with a HashBinary value and meta data is added there
* change in CSPerformSnapshot, NSPerformSnapshot.Response, NSPerformSnapshot.Report, CSPerformExtraction, NSPerformExtraction.Response, NSPerformExtraction.Report, CSApplyRestorationReport.Report, CSApplyRestorationReport.Response, NSApplyRestorationReport.Response, NSProcessComparisonResults.Response, NSProcessComparisonResults.Report, CSProcessComparisonResults.Report, CSProcessComparisonResults.Response , NSApplyDataDumpReport.Response, NSScheduleDataDump.Request, CSApplyDataDumpReport.Report, CSScheduleDataDump.Response
--> <NSTrackingID> removed
* change in CSPerformSnapshot
--> <LastSentUBN> has been added at CSPerformSnapshot.Request
* change in NSPerformSnapshot.Report, NSPerformExtraction.Report.Data
--> remove the <LastSentUBN>

SIC-1681 Simplified Data Check (Data Check Light) for WP

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Priority	tall
Analyst	Andrei Popovich
Identifier	362
Request status	ACCEPTED

Artifact Content

SIC-1679 POC DataDump: Modification of DD coming from BC POC

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions made on the DTS
Analyst	Dana Istratescu
Identifier	363
Request status	ACCEPTED

Artifact Content

Description:

=====

Following the POC relative to broadcast processing, there will be a problem when an MS restores the NC using the current Data Dump XDS.

Indeed, there is no longer a broadcast for FLAGS, therefore there is no specific UBN for FLAGS either. Consequently, the DD process must be modified in accordance with the new broadcast.

Solution:

=====

Data alignment from DD to broadcast

- Removal of the specific Flag report

- Provision of unified Flag data with Signaling data
- Providing metadata and hash values for binaries

Action to be taken:

=====

- Change XSD (CSApplyDataDumpReport, DataTypes)
- Removal of separate report from Flag
- Signals are provided together with their Flags
- Added meta data and hash values for binaries
- Add Binary list to DataDumpResults results

Action taken:

=====

Updated the XSDs
AlertDataTypes.xsd

AlertHashType extension replaced by MetaAlertBaseType extension
Add <xsd:element name="Alert" type="sisalertdt:AlertTextualDataType"/>
Adding Flags
Adding Flags/Flag (type AlertFlagIndexType)
Add Hash (required, HashValueType)
Addition of DataDumpBinaryType
LinkDataTypes.xsd

Add Hash (required, HashValueType)
CSApplyDataDumpReport.xsd

Deleting Report/DataDumpResults/Flags/Flag
Deleting Report/DataDumpResults/Flags
Addition of Report/DataDumpResults/Binaries

Description:

=====

Consecutive to the proof of concept on broadcast processing, there will be a problem when a MS restores its NC using current data dump XDS. Indeed, there is no more specific broadcast for Flags, therefore there is no more specific UBN for Flags.

As a consequence, the data dump process must be changed according to the new broadcast.

Solution:

=====

Align DD data to the broadcast

- Removing specific flag report
- Providing Flag data merged with the Alert data
- Providing metadata and hash values of binaries

Action(s) To Be Taken:

=====

- Changed XSD. (CSApplyDataDumpReport, DataTypes)
- Suppression of separate Flag report
- The alerts are provided with their flags
- Add MetaData and hash value for binaries
- Add list of Binaries at DataDumpResults

Action(s) Taken:

=====

XSD updated

AlertDataTypes.xsd

Extension of AlertHashType replaced by extension of MetaAlertBaseType

Addition of <xsd:element name="Alert" type="sisalertdt:AlertTextualDataType"/>

Addition of Flags

Addition of Flags/Flag (type AlertFlagIndexType)

Addition of Hash (Mandatory, HashValueType)

Addition of DataDumpBinaryType

LinkDataTypes.xsd

Addition of Hash (Mandatory, HashValueType)

CSApplyDataDumpReport.xsd

Deletion of Report/DataDumpResults/Flags/Flag

Deletion of Report/DataDumpResults/Flags

Adding of Report/DataDumpResults/Binaries

SIC-1676 Modification in case of deletion of a signal contained in one or more links, the broadcast message text contains all the affected links

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Andrei Popovich
Identifier	364
Request status	ACCEPTED

Artifact Content

Description:

=====

As described earlier, Broadcast enhancement is achieved by fully parallelizing the message flow. The new parallel processing of broadcasts is no longer based on blocks, but contains the complete signaling together with the associated flag.

Following the same logic for a link broadcast, the entire link will be included instead of the part of the link that was modified and will include all the SchengenIDs of the signals in the link.

As such, in the case of deleting an alert, which is contained by one or more links, the broadcast text message contains all the affected links, as well as the SchengenIDs of the alerts they contain;

Actions to be taken:

=====

SISII-ICD must be updated.

Actions taken:

=====

SISII-ICD.doc has been updated

6.1.8.4.1.3- XSD Description, Note: Deleting Signaling & Broadcast Messages

The note has been replaced and moved to "6.1.8.4.1.4.3 CSBroadcast content for the Broadcast operation of "Clear Signaling""

Old sentence:

"When a flag is deleted, the associated flags must be deleted accordingly and automatically. Indeed, no additional information about the flags, the broadcast message, will be provided in this case. Broadcasts of flag are sent only when a user acts directly on a flag via the flag contract.

The list of LinkIDs affected by the deletion of a flag is given as part of the Data element of the flag. The content "list is filtered based on the user's data access rights. "

has been moved to the new section "6.1.8.4.1.4.3 CSBroadcast content for the Broadcast operation "Secular deletion".

New sentence:

"Links:

If the signaling is contained in one or more links, the broadcast message contains the SchengenIDs of the deleted alerts and a list of affected links, which must be updated or deleted.

One can easily differentiate, therefore, the links to be deleted from those to be updated by checking if the link has a hash value provided.

The content of the list is filtered based on the user's data access rights. "

Description:

=====

As described earlier, Broadcast improvement is achieved through full parallelisation of the message flow. The new parallel processing of broadcasts is no more block based but contains the full alert with its associated flag.

Following the same logic for a link broadcast, the whole link will be contained instead of the part that has changed and will include all SchengenIDs of alerts in the link.

Therefore, in the case of the deletion of an alert that is contained by one or more links, the textual

broadcast message contains all the affected links as well as the SchengenIDs of the alerts that they contain;

Action(s) To Be Taken:

=====

SISII-ICD must be updated.

Action(s) Taken:

=====

SISII-ICD.doc updated

6.1.8.4.1.3-XSD's description, Notes: Alert Deletion & Broadcast Messages

The note has been replaced and moved in "6.1.8.4.1.4.3 CSBroadcast contents for "Delete Alert" Broadcast operation""

Old sentence

"When an alert is deleted, the associated flags must be deleted accordingly and automatically. Indeed no additional information on the flags will be provided in the broadcast message in this case. Flag broadcasts are only sent when a User directly acts on a flag through the Contract flagging.

The list of LinkIDs that the deletion of an alert affects is given as part of the alert Data element. The content of the list is filtered based on the User's data access rights."

has been moved to new section "6.1.8.4.1.4.3 CSBroadcast contents for "Delete Alert" Broadcast operation"

New sentence

"Links:

If the alert is contained by one or more links, the broadcast message contains the SchengenID of the deleted alert and a list of affected links which have to be updated or deleted.

One can therefore easily differentiate the links to delete from those to update by checking whether a link hash value is provided.

The content of the list is filtered based on the User's data access rights."

SIC-1675 Link broadcast modification

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated

	communication protocol between SINS and SIB will be made available by STERIA
Priority	low
Analyst	Andrei Popovich
Identifier	365
Request status	ACCEPTED

Artifact Content

Description:

=====

As described earlier, Broadcast enhancement is achieved by fully parallelizing the message flow. The new parallel processing of broadcasts is no longer based on blocks, but contains the complete signaling with the associated flag.

Following the same logic for a link broadcast, the entire link will be included instead of the part of the link that was modified and will include all the SchengenIDs of the signals in the link.

Actions to be taken:

=====

The link broadcast must be updated to include all SchengenIDs of the link. We also need to add some new rules for processing a link broadcast on the part of a National System.

Actions taken:

=====

SISII-ICD.doc updated

=====

* 6.1.8.4.1 - <<OPERATION>> BROADCAST

-> The section has been changed regarding the new structure for a link containing all SchengenIDs related to alerts.

* 6.1.8.4.1.4.2 the CSBroadcast content for the "Update Signaling" broadcast operation

-> New chapter, with detailed content of CSBroadcast for "Update connection" broadcast operation

* 6.1.8.4.1.5.2 Link Broadcast

-> New chapter for processing a link broadcast on the NS side.

Description:

=====

As described earlier, Broadcast improvement is achieved through full parallelisation of the message flow. The new parallel processing of broadcasts is no more block based but contains the full alert with its associated flag.

Following the same logic for a link broadcast, the whole link will be contained instead of the part that has changed and will include all SchengenIDs of alerts in the link.

Action(s) To Be Taken:

=====

The Link Broadcast must be updated to include all SchengenIDs of the link. Also we have to add some new rules for processing a link broadcast at ns side.

Action(s) Taken:

=====

SISII-ICD.doc updated

* 6.1.8.4.1 - <<OPERATION>> Broadcast

--> the section has been changed regarding the new structure for a Link containing all the connected SchengenIDs of the alerts

* 6.1.8.4.1.4.2 CSBroadcast contents for "Update Alert" Broadcast operation

--> New chapter, with detailed contents of the CSBroadcast for "Update Link" Broadcast operation

* 6.1.8.4.1.5.2 Link Broadcast

--> new chapter for processing a link broadcast at NS side.

SIC-1674 Defining a CS Notification 'BroadcastRejected' to be 'raised' after reaching the maximum retries

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA
Priority	low
Analyst	Andrei Popovich
Identifier	366
Request status	ACCEPTED

Artifact Content

Description:

=====

There are three different Broadcast confirmations available to a National System: Apply, Discard and Reject.

In the event of a rejection, the central system must resend the broadcast until a maximum retry limit is reached.

Once the ceiling is reached, the National System is notified that the Broadcast is rejected:

- CSNotification BroadcastRejected

Actions to be taken:

=====

A new notification must be created: BroadcastRejected with the IdentityID in question

Actions taken:

=====

SISII-ICD.doc updated

* 4.1.4 Notice

- Addition of the following sentence: "- To inform NS that a possible discrepancy has been detected."

* 5.3.6.1-When is the technical protocol used?

-> The following sentence was changed from:

"The scenario involving this communication protocol is related to the "Be Notified" use case

As already mentioned, notifications are sent in three situations: "

of

"The scenario involving this communication protocol is related to the "Be Notified" use case

As already mentioned, notifications are sent in four situations: "

- Addition of the following sentence:

"- To notify the User that the CS detects a possible discrepancy on the NS side."

* 6.1.8.4.2.3- XSD description:

-> In the body of the Notification, adding the following:

"

- BroadcastRejected: notification of the broadcast message rejected by the NS until the maximum resending limit is reached

- For the BroadcastRejected type:

- The UBN ID of the Broadcast that was not applied by the NS

- SchengenID or LinkID or Binary of the entity targeted by the rejected broadcast"

The CSNotification screenshot has been updated (CSNotification.BroadcastRejected).

* CSNotification.xsd has been changed:

-> Added BroadcastRejected element to CSNotification.Notification

Description:

=====

There are three different Broadcast acknowledgments available for the National System: Apply, Discard and Reject.

In the case of a rejection, the Central System is expected to resend the broadcast up to a maximum retry.

Once the maximum retry is reached, the National System is notified that the Broadcast is rejected:

- CSNotification BroadcastRejected

Action(s) To Be Taken:

=====

A new notification must be created: BroadcastRejected with the concerned IdentityID

Action(s) Taken:

=====

SISII-ICD.doc updated

* 4.1.4 Notification

--> Addition of following sentence: "- For informing the NS that a possible discrepancy has been

detected."

* 5.3.6.1-When is the technical protocol used?

--> The following sentence changed from

"The scenario involving this communication protocol is related to the "Be Notified" Communication Use Cases.

As already stated, notifications are sent in three situations:

to

"The scenario involving this communication protocol is related to the "Be Notified" Communication Use Cases.

As already stated, notifications are sent in four situations:

--> Addition of the following sentence:

"- To notify the User that the CS detects a possible discrepancy at the NS side."

* 6.1.8.4.2.3-XSD's description

--> In Notification Body addition of:

"

- BroadcastRejected: notification of broadcast message rejected by the NS until the maximum resent

- For the BroadcastRejected type:

- UBN id of the Broadcast not applied by the NS

- SchengenID or LinkID or Binary of the entity concerned by the broadcast rejected"

Screenshot of CSNotification has been updated (CSNotification.BroadcastRejected).

* The CSNotification.xsd has been changed:

--> adding the element BroadcastRejected to CSNotification.Notification

SIC-1673 Allowing the Central System to generate gaps in the MessageID and LogicalSessionID sequences

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA
Priority	low

Analyst	Andrei Popovich
Identifier	367
Request status	ACCEPTED

Artifact Content

Description:

=====

The current conception of the Broadcast functionality of SISII requires the sequential application by a National System of the changes that the Central System broadcasts (Broadcast). The sequence of broadcasts is ordered based on the MessageID and each message has a LogicalSessionID. Both MessageID and LogicalSessionID must be strictly incremental and not allow gaps.

The current situation has the consequence of low performances at the level of national systems that cannot cope with the number of broadcasts they receive from the central system.

The generation of MessageID and LogicalSessionID requires blocking operations at the level of the central system, because it must ensure the completeness of the number sequences.

From an operational point of view, the major consequence was reaching the limit for the Service Level Agreement. Therefore, a broadcast improvement campaign was initiated to increase performance for Member States, without affecting the performance of the Central System.

Solution description:

=====

The possible solution to solve the above problem is through complete parallelization of the flow of messages from the National System Side.

To do this, the central system should be able to generate gaps in the sequences of MessageID and LogicalSessionID.

Therefore, CSBroadcast must be sent on unordered channel (SIC-1686).

Actions to be taken:

=====

SISII-ICD.doc must be modified.

Actions taken:

=====

SISII-ICD.doc has been updated

* 4.3. SESSION LOGIC

- Adding the following note:

Important note for ID generation:

CS generates the IDs as follows:

Type ID / Description

LogicalSessionID -> unique for each user, independent of the channel

MessageID -> unique for each user on each channel

CentralTrackingID -> unique for all users, regardless of channel

ReportID -> unique for all users, regardless of channel

UBN -> unique for each user on each channel

If the generation is done for the ordered channel, the gap is not allowed.

If the generation is done for an unordered channel, the gap is allowed.

Description:

=====

The current design of the broadcast functionality of the SISII imposes the sequential application by a National System of changes that the Central System broadcasts. The sequence of broadcasts is ordered based on the MessageID and each message holds a LogicalSessionID. Both the MessageID and the LogicalSessionID must be strictly incremental and do not allow for gaps.

The current situation results in low performance at the level of the National Systems that cannot cope with the number of broadcasts they receive from the Central System.

The generation of the MessageID and LogicalSessionID entails blocking operations at the level of the Central System as it must ensure the completeness of sequences of numbers.

In operational terms, the major consequence was reaching the Service Level Agreement. Therefore, a campaign of improvement of broadcast has been initiated to increase performance for Member States without impacting Central System performances.

Solution description:

=====

The possible solution to solve the above issue through full parallelization of the message flow at the National System Side.

To do so, Central System should be allowed to generate gaps in MessageID and LogicalSessionID sequences.

Consequently, CSBroadcast must be sent on the unordered channel (SIC-1686).

Action(s) To Be Taken:

=====

SISII-ICD.doc must be amended.

Action(s) Taken:

=====

SISII-ICD.doc updated

* 4.3. LOGICAL SESSION

--> Addition of the following notes:

Important generation ID notes:

The CS generates IDs as follows:

ID type / Description

LogicalSessionID --> Unique for each user independently of the channel

MessageID --> Unique for each user on each channel

CentralTrackingID --> Unique for all users regardless of the channel

ReportID --> Unique for all users regardless of the channel

UBN --> Unique for each user on each channel

If the generation is done for an ordered channel, gap is not allowed.

If the generation is done for an unordered channel, gap is allowed.

SIC-1671 Creating an order between Textual Broadcast and Binary Broadcast (the second being sent only after confirming the first)

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the

	Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA
Analyst	Dana Istratescu
Identifier	368
Request status	ACCEPTED

Artifact Content

Description:

=====

Description:

=====

In order to parallelize the processing, the Broadcast was separated into Textual Broadcast and Binary Broadcast:

*The Textual Broadcast contains all the signal data, including those related to flags and information about the related binaries (meta-data, BinaryID, and hashes of the signals, including those of each binary).

* The Binary Broadcast contains the hash value of the binary, the Textual Broadcast UBN of the signal, SchengenID of the signal, BinaryID and binary data.

- There is only one Binary Broadcast per Binary. Consequently, for a signaling Textual Broadcast it is possible to have several Binary Broadcasts.

However, there is an order of the two types of broadcast.

The Binary Broadcast is transmitted by the CS only after a positive confirmation by the NS of the Textual Broadcast.

Action to be taken:

=====

Adding a sentence regarding the order between Textual and Binary Broadcast in SISII-ICD.

Action taken:

=====

The SISII-ICD.doc document has been modified

SISII-ICD.doc updated

* 6.1.8.4.1 <<OPERATION>> BROADCAST

-> Added a text passage regarding the handling of Binary Broadcasts.

* 6.1.8.4.1.2 Sequence diagram

-> The diagram has been updated

Description:

=====

In order to parallelise broadcast has been separated into textual broadcast and binary broadcast. Textual broadcast contains the whole data of the alert including related flags and information on related binaries (meta data, BinaryID, and hash of the alerts including those of each binary). The binary broadcast contains the hash value of the binary, the UBN of the alert textual broadcast, the SchengenID of the alert, the BinaryID and the binary data. There is one binary broadcast per binary. Consequently, for one alert textual broadcast it is possible to have several binary broadcasts. However there is an ordering between the two types of broadcast. Binary broadcast is sent by CS only after a positive acknowledgment by the NS of the textual broadcast. Action(s) To Be Taken:

=====

Add sentence on the ordering between Textual and Binary Broadcast in SISII-ICD.

Action(s) Taken:

=====

SISII-ICD.doc updated

* 6.1.8.4.1 << OPERATION >> BROADCAST

--> adding a text passage about handling binary broadcasts

* 6.1.8.4.1.2 Sequence diagram

--> the diagram has been updated

SIC-1670 Deleting a Broadcast message only for Flags.

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA

Analyst	Dana Istratescu
Identifier	369
Request status	ACCEPTED

Artifact Content

Description:

=====

As it was described earlier, the improvement of the Broadcast is achieved by the integral parallelization of the message flow. The new parallel processing of the Broadcaster is no longer based on blocks, but contains the entire signaling and associated flags.

To avoid a very large message, the Broadcast was divided into two: Textual Broadcast and Binary Broadcast.

When all the signaling data, together with the flags are sent, they are actually contained in the Text Broadcast.

This means that there will be no Create Flag, Update Flag or Delete Flag as independent Broadcasts Action to be taken:

=====

Independent Flag Broadcast must be removed.

Action taken:

=====

The SISII-ICD.doc document has been modified

6.1.8.4.1.3-Description XSD, Note: Message Delete Signaling & Broadcast

The following sentence was removed:

"Flag broadcasts are sent only when a user directly acts on a Flag via the Flag contract"

Description:

=====

As described earlier Broadcast improvement is achieved through full parallelisation of the message flow. The new parallel processing of broadcasts is no more block based but contains the full alert with its associated flag.

In order to avoid very large messages, the broadcast has been split into two textual broadcasts and binary broadcasts.

When the whole data of the alert along with its flags is broadcast it is actually contained in the textual broadcast.

This means that there will be no create flag, update flag or delete flag stand alone broadcast.

Action(s) To Be Taken:

=====

Stand alone Broadcast of Flag must be removed.

Action(s) Taken:

=====

SISII-ICD.doc updated

6.1.8.4.1.3-XSD's description, Notes: Alert Deletion & Broadcast Messages

The following sentence has been removed:

"Flag broadcasts are only sent when a User directly acts on a flag through the Flagging contract"

SIC-1669 Text Broadcast of a Signal containing the Flags associated with the Signal

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Dana Istratescu
Identifier	370
Request status	ACCEPTED

Artifact Content

Description:

=====

As it was described earlier, the improvement of the Broadcast is achieved by the integral parallelization of the message flow. The new parallel processing of the Broadcaster is no longer based on blocks, but contains the entire signaling and associated flags.

To avoid a very large message, the Broadcast was divided into two: Textual Broadcast and Binary Broadcast.

When all the signaling data, together with the flags are sent, they are actually contained in the Text Broadcast.

The text broadcast will then contain:

- Denials of the signals
- Flag information
- Binary metadata, see SIC-1668

Actions to be taken:

=====
The SISII-ICD.doc document has been modified
* 6.1.8.4.1 << OPERATION >> Broadcast
-> Modified section
* 6.1.8.4.1.4 CSBroadcast Processing
-> New chapter regarding the CSBroadcast message content, depending on the type of Broadcast operation

Description:

=====
As described earlier Broadcast improvement is achieved through full parallelisation of the message flow. The new parallel processing of broadcasts is no more block based but contains the full alert with its associated flag.
In order to avoid very large messages, the broadcast has been split into two textual broadcasts and binary broadcasts.
When the whole data of the alert along with its flags is broadcast it is actually contained in the textual broadcast.
The textual broadcast will then contain the
- Alerts full textual information,
- The flags information
- MetaData of the binary see SIC-1668
Action(s) To Be Taken:

=====
Report into specification textual broadcast contains the whole textual data of the alert and the flags.
Action(s) Taken:

=====
SISII-ICD.doc updated
* 6.1.8.4.1 << OPERATION >> Broadcast
--> section modified
* 6.1.8.4.1.4 CS Broadcast Processing
--> new chapter about the content of the CSBroadcast message depending on the broadcast Operation

SIC-1668 Broadcast Text containing binary information (Metadata, BinaryID, HashBinary)

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed

	analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA
Analyst	Dana Istratescu
Identifier	371
Request status	ACCEPTED

Artifact Content

Description:

=====

The scope of this improvement request is a change in the way broadcasts are handled in order to increase the overall performance of the Schengen system. This improvement is achieved by fully parallelizing the message flow. This new parallel processing of broadcasts is no longer per block, but contains the complete signaling (textual broadcast).

In fact, a broadcast will therefore contain the complete signaling data, along with its Flag, metadata, potential BinaryId and hash for each binary.

The binaries are transmitted separately.

Actions to be taken:

=====

SISII-ICD.doc must be updated

Actions taken:

=====

SISII-ICD.doc updated

In " 6.1.8.4.1.2 Sequence Diagram", the diagram has been updated

Description:

=====

As described earlier, Broadcast improvement is achieved through full parallelisation of the message flow. The new parallel processing of broadcasts is no more block based but contains the full alert with its associated flag.

In order to avoid very large messages, the broadcast has been split into two textual broadcasts and binary broadcasts.

When the whole data of the alert along with its flags is broadcast it is actually contained in the textual broadcast.

The textual broadcast will then contain in addition alerts full textual information and the flags information:

- Binary information as MetaData, BinaryId, hash of each binary

Action(s) To Be Taken:

=====

SISII-ICD.doc must be updated

Action(s) Taken:

=====

SISII-ICD.doc updated at section 6.1.8.4.1 << OPERATION >> BROADCAST

--> added a description of the broadcast splitting

SIC-1667 For a Signaling, a Textual Broadcast contains the entire signaling instead of the modified part

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Andrei Popovich
Identifier	372
Request status	ACCEPTED

Artifact Content

Description:

=====

The scope of this improvement request is a change in the way broadcasts are handled in order to increase the overall performance of the Schengen system. This improvement is achieved by fully parallelizing the message flow. This new parallel processing of broadcasts is no longer per block, but contains the complete signaling (textual broadcast).

In fact, a broadcast will therefore contain the complete signaling data, along with its Flag, metadata, potential BinaryId and hash for each binary.

The binaries are transmitted separately.

Actions to be taken:

=====
SISII-ICD.doc must be updated
Actions taken:

=====
SISII-ICD.doc updated
In " 6.1.8.4.1.2 Sequence Diagram", the diagram has been updated

Description:

=====
The scope of this improvement request is a change in the way broadcasts are handled in order to increase the overall performance of the Schengen system. This improvement is achieved through full parallelization of the message flow. This new parallel processing of broadcasts is no more block based but contains the full alert (textual broadcast).

In fact, a broadcast will therefore contain the full textual data of the alert along with its flag, MetaData, potential BinaryId and the hash of each binary.

The binaries are broadcast separately.

Action(s) To Be Taken:

=====
SISII-ICD.doc must be updated

Action(s) Taken:

=====
SISII-ICD.doc updated
In "6.1.8.4.1.2 Sequence diagram", the diagram has been updated

SIC-1666 Creating a separate message from the Binary Broadcast contains the binary data of a Semanalary

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol

	between SINS and SIB will be made available by STERIA
Analyst	Andrei Popovich
Identifier	373
Request status	ACCEPTED

Artifact Content

Description:

=====

In order to parallelize the processing, the Broadcast was separated into Textual Broadcast and Binary Broadcast:

*The Textual Broadcast contains all the signal data, including those related to flags and information about the related binaries (meta-data, BinaryID, and hashes of the signals, including those of each binary).

* The Binary Broadcast contains the hash value of the binary, the signaling textual broadcast UBN, signaling SchengenID, BinaryID and binary data.

- There is only one Broadcast Binary per Binary.

Therefore, for a single signaling Textual Broadcast, we may have several Binary Broadcasts.

- In case of deletion of a binary, or elimination of an entity, including some binaries (Object Signaling, Person Signaling, Impersonation, Identity or EAW), the Binary Broadcast is not created by CS.

CS sends a Textual Broadcast without data for removed binaries (BinaryID, Meta data,...).

Consequently, there are only two types of Binary Broadcast operations: create and update.

Actions to be taken:

=====

SISII-ICD.doc must be updated

Actions taken:

=====

SISII-ICD.doc updated

* In "6.1.8-Operations Detailed Design", the following sentence has been updated from "Messages therefore restrict the number of binary information provided during create and update operations to one and only one item. The resulting Broadcast and Notification messages therefore contain only one binary item."

to

"Messages therefore restrict the number of binary information provided during create and update operations to one and only one item (per binary type). CS sends a separate Binary Broadcast for each binary item that is created or updated on a signaling."

In the table, adding the following lines:

CSBroadcast

Binary 1 Binary (Photo, Fingerprint Photo or EAW)

* "6.1.8.4.1 <<OPERATION>> BROADCAST"

-> Section has been modified due to the parallel Broadcast.

* 6.1.8.4.1.2 Sequence diagram

-> The diagram has been updated

* 6.1.8.4.1.3 Description of XSD

-> XSD and description have been updated

Description:

=====

In order to parallelise the processing the Broadcast has been separated into a Textual Broadcast and Binary Broadcast:

* Textual broadcast contains the whole data of the alert including related flags and information on related binaries (meta data, BinaryID, and hash of the alerts including those of each binary).

* Binary broadcast contains the hash value of the binary, the UBN of the alert textual broadcast, the SchengenID of the alert, the BinaryID and the binary data.

- There is one binary broadcast per binary.

Consequently, for one alert textual broadcast it is possible to have several binary broadcasts.

- In case of deletion of the binary, or the deletion of an entity including some binaries (Object Alert, Person Alert, Misused Identity, Identity or EAW), the binary broadcast is not created by the CS.

The CS sends a textual broadcast without data for the deleted binary (BinaryID, Meta data,...).

Consequently, there are only two types of binary broadcast operation: Create and Update.

Action(s) To Be Taken:

=====

SISII-ICD.doc must be updated

Action(s) Taken:

=====

SISII-ICD.doc updated

* In "6.1.8-Operations Detailed Design", following sentence updated from

"The messages therefore restrict the number of binary information to pass on during creation and update operations to one and only one item. The resulting broadcast and notification messages consequently contain one binary item only."

to

"The messages therefore restrict the number of binary information to pass on during creation and update operations to one and only one item (per binary type). The CS sends a separate binary broadcast for every binary element which is created or updated on an alert. "

In the table, addition of the following lines:

CSBroadcast

Binary 1 Binary (Picture, FingerPrint or EAW)

* "6.1.8.4.1 << OPERATION >> BROADCAST"

--> section has been modified due to parallel broadcasting

* 6.1.8.4.1.2 Sequence diagram

--> the diagram has been updated

* 6.1.8.4.1.3 XSD's description

--> XSD and description has been updated

SIC-1665 Textual Broadcast and Binary Broadcast have their own UBN

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the

	Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Andrei Popovich
Identifier	374
Request status	ACCEPTED

Artifact Content

Description:

=====

The current conception of the Broadcast functionality of SISII requires the sequential application by a National System of the changes broadcast by the Central System. The sequence of Broadcasts is ordered based on MessageID and each message has a LogicalSessionID. Both MessageID and LogicalSessionID must be strictly incremental and not allow gaps.

The current situation results in low performances at the level of the National Systems that cannot cope with the number of Broadcasts they receive from the Central System.

The generation of MessageID and LogicalSessionID determines blocking operations at the level of the Central System, because it must ensure the completeness of the number sequences.

From an operational point of view, the major consequence was reaching the Service Level Agreement level. Therefore, a Broadcast improvement campaign was initiated to increase the performance for the member states, without affecting the performance of the central system.

To do this

What is needed is a separation of the textual Broadcast and the binary Broadcast having its own UBN different from that of the signal it belongs to. The UBN of the binary data will be stored to cope with concurrent updates of the binaries.

Actions to be taken:

=====

SISII-ICD.doc must be updated

Actions taken:

=====

SISII-ICD.doc updated

* 6.1.8.4.1 <<OPERATION>> BROADCAST

-> Section has been modified to illustrate the division of the Broadcast into a textual part and a binary part.

* 6.1.8.4.1.3 XSD description

--> the figure for CSBroadcast has been changed and the description has been modified

Description:

=====

The current design of the broadcast functionality of the SISII imposes the sequential application by a National System of changes that the Central System broadcasts. The sequence of broadcasts is ordered based on the MessageID and each message holds a LogicalSessionID. Both the MessageID and the LogicalSessionID must be strictly incremental and do not allow for gaps.

The current situation results in low performance at the level of the National Systems that cannot cope with the number of broadcasts they receive from the Central System.

The generation of the MessageID and LogicalSessionID entails blocking operations at the level of the Central System as it must ensure the completeness of sequences of numbers.

In operational terms, the major consequence was reaching the Service Level Agreement. Therefore, a campaign of improvement of broadcast has been initiated to increase performance for Member States without impacting Central System performances.

To do so

What is needed is a separation of textual broadcast and binary broadcast having its own UBN different from that of the alert to which it belongs. The UBN of the binary data shall be stored to deal with concurrent updates of the binary.

Action(s) To Be Taken:

=====

SISII-ICD.doc must be updated

Action(s) Taken:

=====

SISII-ICD.doc updated

* 6.1.8.4.1 << OPERATION >> BROADCAST

--> section has been modified to illustrate the splitting of the broadcast in a textual and a binary part.

* 6.1.8.4.1.3 XSD's description

--> the figure for CSBroadcast has been changed and the description has been modified

SIC-1657 Value constraint model for RankType incorrect

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface

	with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Priority	tall
Analyst	Dana Istratescu
Identifier	375
Request status	ACCEPTED

Artifact Content

Description:

=====

RankType has an incorrect value restriction. While the current model is declared below:

```
<xsd:simpleType name="RankType">
<xsd:annotation>
<xsd:documentation>Description: This type represents the closely related percentage of a query in a the hit list.</xsd:documentation>
</xsd:annotation>
<xsd:restriction base="sisdt:DecimalRD">
<xsd:pattern value="[0-9](\.[0-9]{1,5})?">
</xsd:restriction>
</xsd:simpleType>
```

The minimum and maximum value available for the rank is a positive number between 0 and 1: 0 <= Score <= 1 (Ref. SISII-Search_Engine.doc point 6.5.1). Within this model, the value can vary between 0.0000 and 9.9999, which is not correct.

Action to be taken:

=====

RankType must be updated "(0 \ [0-9] {1,5 }?)(1)".

With this model, the value can vary between 0.00000 and 1.

Action taken:

=====

In AlertDataTypes.xsd, RankType has been updated to "(0 \ [0-9] {1,5 }?)(1)".

Description:

=====

The RankType has an incorrect restriction value. While the current pattern is stated below:

```
<xsd:simpleType name="RankType">
<xsd:annotation>
<xsd:documentation>Description: This type represents the closely related percentage of a query in a the hit list.</xsd:documentation>
</xsd:annotation>
```

```
<xsd:restriction base="xsd:DecimalRD">  
<xsd:pattern value="[0-9](\.[0-9]{1,5})?" />  
</xsd:restriction>  
</xsd:simpleType>
```

The minimum and maximum available value for the rank is actually a positive number between 0 and 1: 0 <= Score <= 1 (Ref. SISII-Search_Engine.doc section 6.5.1). Within this pattern, the value can range between 0.0000 and 9.9999, which is not the correct one.

Action(s) To Be Taken:

=====

The pattern of the type RankType must be updated to "(0(\.[0-9]{1,5})?)(1)".

With this pattern, the value can range between 0.00000 and 1.

Action(s) Taken:

=====

In AlertDataTypes.xsd, the pattern of the type RankType has been updated to "(0(\.[0-9]{1,5})?)(1)".

SIC-1655 Vehicle Registration Document with 'Document Category' is different from 0005 VehicleRegistrationDocument

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Priority	Average
Analyst	Dana Istratescu
Identifier	376
Request status	ACCEPTED

Artifact Content

Description:

=====

All values from the ST018 table are available in the DOCUMENT CATEGORY field in the VEHICLE REGISTRATION DOCUMENT.

Code "0005.01: Vehicle registration document".

Action to be taken:

=====

The following business rules must be added in SISII-BUSINESS_RULES.doc for the ALERT CREATION and ALERT MODIFICATION operations:

SIS-R0540 The "document issued" type alert cannot have the value "vehicle registration document" in the "document category" field.

Status: Approved
Package: Maintenance
The "issued document" type alert can have the value "vehicle registration document" in the "document category" field.

Author: Habone Kaleb

SIS-R0541 "Vehicle registration document" type alert can only have "document category".
Status: Approved.
Package: Maintenance
The "vehicle registration document" type alert cannot have "document category".

Author: Habone Kaleb
If business rule SIS-R0540 does not apply, CS returns error 5203.01 Logical validation (CORE) of signaling failed.
If business rule SIS-R0541 does not apply, CS returns error 5203.01 Logical validation (CORE) of signaling failed.
Adding the two business rules to the SISII-ICD_BusinessRulesMapping.xls document.
Action taken:

=====

The SISII-Business_Rules.doc file has been updated

The addition of the two business rules SIS-R0540 and SIS-R0541 for the ALERT CREATION and ALERT MODIFICATION operations.
SIS-R0540 ALERT DOCUMENT ISSUED CANNOT HAVE IN THE DOCUMENT CATEGORY FIELD THE DOCUMENT VALUE REGISTRATION OF THE VEHICLE
«Business rule» Requirement: The "issued document" type alert cannot have the value "vehicle registration document" in the "document category" field.

Author: Habone Kaleb
SIS-R0541 DOCUMENT REGISTRATION ALERT THE VEHICLE CAN ONLY HAVE DOCUMENT CATEGORY
«Business rule» Requirement: Alert type "vehicle registration document" cannot have "document category".

Author: Habone Kaleb
The SISII-ICD_BusinessRulesMapping.xls file has been updated

Description:
=====

All the values of the table ST018 are available in the field CategoryOfDocument in a VehicleRegistrationDocument.
But the only permit value must be "0005.01 Vehicle registration document".
Action(s) To Be Taken:

=====

The following business rules must be added to sisii-business_Rules.doc for operations CreateAlert and UpdateAlert:
SIS-R0540 Issued Document Alert cannot have Category of Document set to Vehicle Registration Document

Status: Int.Approved.
Package: AlertMaintenance
An Issued Document Alert cannot have Category of Document set to Vehicle Registration Document.

Author: Habone Kaleb

SIS-R0541 Vehicle Registration Document Alert can only have Category of Document set to Vehicle Registration Document
Status: Int.Approved.
Package: AlertMaintenance
A Vehicle Registration Document Alert can only have Category of Document set to Vehicle Registration.

Author: Habone Kaleb
If the business rule SIS-R0540 is not applied, the CS returns the error
5203.01 The logical validation (Core) of the alert data failed.
If the business rule SIS-R0541 is not applied, the CS returns the error
5203.01 The logical validation (Core) of the alert data failed.
Addition of the two business rules in the document SISII-ICD_BusinessRulesMapping.xls.
Action(s) Taken:

=====

SISII-Business_Rules.doc updated

Addition of business rules SIS-R0540 and SIS-R0541 for operations CreateAlert and UpdateAlert.
SIS-R0540 ISSUED DOCUMENT ALERT CAN NOT HAVE CATEGORY OF DOCUMENT SET TO
VEHICLE REGISTRATION DOCUMENT
«BusinessRule» Requirement: An Issued Document Alert cannot have Category of Document set to
Vehicle Registration Document.

Author: Habone Kaleb
SIS-R0541 VEHICLE REGISTRATION DOCUMENT ALERT CAN ONLY HAVE CATEGORY OF
DOCUMENT SET TO VEHICLE REGISTRATION DOCUMENT
«BusinessRule» Requirement: A Vehicle Registration Document Alert can only have Category of
Document set to Vehicle Registration.

Author: Habone Kaleb
SISII-ICD_BusinessRulesMapping.xls updated

On Worksheet DataSpecificRules
In Data Type "IssuedDocuemntAlert", addition of:
SIS-R0540 / AlertValidationException / INVALID_ALERT_DATA / 5203.01
In Data Type "VehicleRegistrationDocumentAlert", addition of:
SIS-R0541 / AlertValidationException / INVALID_ALERT_DATA / 5203.01

SIC-1652 Reject creation and update of a Signal using old code tables

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Business rule already taken

	into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Priority	Average
Analyst	Dana Istratescu
Identifier	377
Request status	ACCEPTED

Artifact Content

Description:

=====

Reading the SIS-R0727 requirement, the following can be concluded:
when updating an alert, the old values can remain, but when creating a new alert, the old values cannot be used.

Action to be taken:

=====

Add precision BR SIS-R0727 in SISII-ICD.DOC, in "6.3. CODE TABLES"

Add a new Error Code to inform NS that a message field has been created or updated with an outdated code table entry value.

Action taken:

=====

SISII-ICD.doc has been modified

6.3. CODE TABLES

Adding the following:

Note: Message with obsolete table entry

If an attribute is completed with an entry from an outdated code table, then this entry should be used in processing (ex: as a result of a Query). However, to modify this field (Create or Update) only the currently valid entries of the code table are allowed. This check is the responsibility of each user.

SISII-ICD_CodeTables.xls has been modified

Table ST204_ERRORCODE

Adding:

5007 / 01 / Outdated CodeTable in Message. / 20060101 / 0004.01 / 0001.01

SISII-ICD_BusinessRulesMapping.xls has been modified

Contracts Common Sheet

Addition of:

SIS-R0727 / OutdatedCodeTableException / Any / 5007.01

Description:

=====

Reading the requirement SIS-R0727 one can conclude the following:
when updating an alert, old values can remain but when creating a new alert, outdated values cannot be used. This is slightly different from what we discussed.

Action(s) To Be Taken:

=====

Add the precision of the BR SIS-R0727 in the SISII-ICD.DOC, in "6.3. CODE TABLES"

Add a new Error Code to inform the NS that a field of the message has been created or updated to an outdated code table entry.

Action(s) Taken:

=====

SISII-ICD.doc amended

6.3. CODE TABLES

Addition of the following:

Notes: message with outdated table entry

If an attribute is already filled with an outdated table entry then this entry should be used in the processing (eg as a result in a query). However, to change this field (create or update), only currently valid code table entries are allowed. This check lies within the responsibility of each User.

SISII-ICD_CodeTables.xls amended

Sheet ST204_ERRORCODE

Addition of:

5007 / 01 / Outdated CodeTable in Message. / 20060101 / 0004.01 / 0001.01

SISII-ICD_BusinessRulesMapping.xls amended

Sheet Contracts Common

Addition of:

SIS-R0727 / OutdatedCodeTableException / Any / 5007.01

SIC-1648 Update Broadcast message to host whole objects

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the

	detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Andrei Popovich
Identifier	378
Request status	ACCEPTED

Artifact Content

Description:

=====

The scope of this improvement request is a change in the way Broadcasts are handled in order to increase the overall performance of the Schengen system. This improvement is achieved by fully parallelizing the message flow. This new parallel processing of broadcasts is no longer per block, but contains the complete signaling, together with the broadcast associated with it (textual broadcast).

In fact, a broadcast will therefore fully contain the text data of the signal, together with its flag, metadata, the potential BinaryID, the hash code for each binary and references to potentially affected links.

The Broadcast Link will contain the entire link instead of the part that has been modified and will include all SchengenIDs of the link's signals.

The binaries are transmitted separately.

Actions to be taken:

=====

Update the Broadcast message to host whole objects

Actions taken:

=====

SISII-ICD.doc updated

5.2.3-Communication use cases

The following sentence was changed from:

"- The Broadcast is used to maintain the state of the National Children by sending data related to an update of the Central Database.

NS must inform CS of updating their national NC copies. "

to

"- The Broadcast is used to maintain the state of the National Children by sending updated data to the Central Database.

NS must inform CS of updating their national NC copies. " "

5.2.8 BROADCAST COMMUNICATION USE CASES

Change this section regarding the new aspects about Parallel Broadcast.

6.1.8.4.1.3 XSD Description

The following sentence was changed from:

"Broadcast Body (can be either Signal, Flag, or Link)"

to

"Broadcast Body (can be either Flags, Links or Binaries)"

The following sentence was changed from:

"The data contains the aggregation of fields containing all broadcasted data. The content depends on the operation. However, the XSD provides the complete structure of everything that "can" be broadcast."

to

"The data contains the aggregation of fields containing all the broadcasted data. The content depends on the operation."

CSBroadcast message screenshot updated (Signaling with Flags, Links and Binaries)

Updated SISII-ICD_MsgSpec_Ext.Doc

1.2-BROADCAST/NOTIFICATION MECHANISM

CSBroadcast message screenshot updated (Signaling with Flags, Links and Binaries)

Updated XSD (major updates)

Broadcast full signaling (Signaling + Flags + Binary Metadata without binary)

- * Removal of Broadcast Flag
- * Creation of Binary Broadcast
- * BroadcastRejected notification
- * Broadcast of the entire Link (All SchengenIDs in the Link)
- * Some annotations have been updated

AlertDataTypes.xsd

Adding types: AlertTextualDataType, BinaryBroadcastType;

Update enumeration of AlertBroadcastOperationType to {Create, Update, Delete}

FlagDataTypes.xsd

Remove deprecated types: DataDumpFlagType, FlagBroadcastType, FlagBroadcastDataType

LinkDataTypes.xsd

Update the LinkBroadcastOperation enumeration to {Create, Update, Delete}

CSBroadcast.xsd

Removal of Broadcast / Flag

Creation of Broadcast / Binary

CSNotification.xsd

Add BroadcastRejected notification.

Description:

The scope of this improvement request is a change in the way broadcasts are handled in order to increase the overall performance of the Schengen system. This improvement is achieved through full parallelization of the message flow.

This new parallel processing of broadcasts is no more block based but contains the full alert (textual broadcast).

In fact, the Alert Textual Broadcast will therefore contain the full textual data of the alert along with its

flag, Metadata, potential BinaryID, Links with all SchengenIDs and the hash of each binary.
The Link Broadcast will contain the whole link instead of the part that has changed and will include all SchengenIDs of alerts of the link.

The binaries are broadcast separately.

Action(s) To Be Taken:

=====

Update the broadcast message to accommodate for whole objects

Action(s) Taken:

=====

SISII-ICD.doc updated

5.2.3-Communication Use Cases

The following sentence has been changed from:

"- Broadcast is used for maintaining the state of the National Copies by sending the data related to a Central Database update.

NS must inform the CS of their NC update."

That

"- Broadcast is used for maintaining the state of the National Copies by sending the data updated in the Central Database.

NS must inform the CS of their NC update."

5.2.8 BROADCAST COMMUNICATION USE CASES

Change this section regarding the new facts about parallel broadcasting.

6.1.8.4.1.3 XSD's description

The following sentence has been changed from:

"Broadcast body (can either be Alert, Flag or Link)"

That

"Broadcast body (can either be Alert with Flags, Link or Binary)"

The following sentence has been changed from:

"Data contains the aggregation of fields containing all the data broadcasted. The content is depending on the operation. However, the XSD foresees the complete structure of everything that "can" be broadcast."

That

"Data contains the aggregation of fields containing all the data broadcasted. The content is depending on the operation."

Screen shot of CSBroadcast message has been updated (Alert with Flags, Link and Binary)

SISII-ICD_MsgSpec_Ext.Doc updated

1.2-BROADCAST/NOTIFICATION MECHANISM

Screen shot of CSBroadcast message has been updated (Alert with Flags, Link and Binary)

XSD Updated (main updates)

-
- * Broadcast of the whole Alert (Alert + Flags + Binary Metadata without the binary)
 - * Remove of Flag Broadcast
 - * Creation of Binary Broadcast
 - * Notification BroadcastRejected
 - * Broadcast of the whole Link (All SchengenIDs of the Link)
 - * Some annotations were updated

AlertDataTypes.xsd

Addition of types: AlertTextualDataType, BinaryBroadcastType;
Update of the enumeration of the AlertBroadcastOperationType to {Create, Update, Delete}
FlagDataTypes.xsd

Remove types no longer used: DataDumpFlagType, FlagBroadcastType, FlagBroadcastDataType
LinkDataTypes.xsd

Update of the enumeration of the LinkBroadcastOperation to {Create, Update, Delete}
CSBroadcast.xsd

Deletion of Broadcast/Flag
Creation of Broadcast/Binary
CSNotification.xsd

Addition of notification BroadcastRejected.

SIC-1646 New error code: 9200 Unknown Oracle error

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	New error code: 9200 Unknown Oracle error
Priority	Average
Impacted components	CORE, BD
Analyst	Radu Ichim
Identifier	379
Request status	ACCEPTED

Artifact Content

Description:

=====

The application sends error code 9000, for an Oracle error, being an unknown error.
Error code 9000 should only be used if an error is unknown.
When the error is known, Oracle should send code 9200 instead of 9000.
Action to be taken:

=====

In the SISII_ICD_CodeTables document, the ST204_ERRORCODE table must be updated by adding:
9200 / 01 / / Unknown Oracle Error / 20060101 / 0003.01 / 0001.01
Action taken:

=====

The SISII_ICD_CodeTables.xls document has been updated:
*The ST204_ERRORCODE table has been modified:

- Added: 9200 / 01 / Unknown Oracle Error / 20060101 / 0003.01 / 0001.01

Description:

=====

Today the implementation triggered error code 9000 for an Oracle error like any other unknown errors. The error code 9000 should be used only if a new error is triggered and its origin is unknown. When it is known and it is an Oracle error, code 9200 should be sent instead of 9000.

Action(s) To Be Taken:

=====

In the document SISII_ICD_CodeTables, the code table ST204_ERRORCODE must be updated by adding the following entry:

9200 / 01 / Unknown Oracle error. / 20060101 / 0003.01 / 0001.01

Action(s) Taken:

=====

The document SISII_ICD_CodeTables.xls has been changed:

* The sheet ST204_ERRORCODE has been modified:

--> Addition of the following entry: 9200 / 01 / Unknown Oracle error. / 20060101 / 0003.01 / 0001.01

SIC-1644 Error code 6212 - Multiple DC campaigns having the same LogicalSessionID

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Priority	Average
Analyst	Andrei Popovich
Identifier	380
Request status	ACCEPTED

Artifact Content

Description:

=====

Before working with a Data Consistency campaign, the application will check if there is a previous campaign with the same LogicalSessionID.

If this is the case, the campaign is rejected with code 6212.

Actions to be taken:

=====

In the SISII_ICD_CodeTables document, the nomenclature table ST204_ERRORCODE must be updated

by adding the following entry:

6212 / 01 / Multiple DC campaigns with the same LogicalSessionID / 20060101 / 0004.01 / 0003.01

In the SISII-ICD_BusinessRulesMapping.xls document, the Data Consistency worksheet must be updated

by adding the following entry:

// DataConsistencyErrors_LogicalSessionIDDuplicated LSID_DUPLICATED 6212.01

for RequestComparison and ScheduleDataDump operations.

Actions taken:

=====

In the SISII_ICD_CodeTables.xls document,

nomenclature table ST204_ERRORCODE,

adding the following entry:

6212 / 01 / Multiple DC campaigns with the same LogicalSessionID / 20060101 / 0004.01 / 0003.01

In the document SISII-ICD_BusinessRulesMapping.xls,

in the Data Consistency worksheet, adding the following entry for RequestComparison and

ScheduleDataDump operations

:

/ DataConsistencyErrors_LogicalSessionIDDuplicated / LSID_DUPLICATED / 6212.01

Description:

=====

Before working with a Data Consistency Campaign, the application is going to check if an older campaign with the same logical Session Id is existing.

If it's the case the Campaign is rejected with the code 6212.

Action(s) To Be Taken:

=====

In the document SISII_ICD_CodeTables, the code table ST204_ERRORCODE must be updated by adding the following entry:

6212 / 01 / Multiple DC campaigns with the same logical session ID. / 20060101 / 0004.01 / 0003.01

In the document SISII-ICD_BusinessRulesMapping.xls, the Data Consistency worksheet must be updated

by adding the following entry:

// DataConsistencyErrors_LogicalSessionIDDuplicated LSID_DUPLICATED 6212.01

for the operations RequestComparison and ScheduleDataDump

Action(s) Taken:

=====

In the document SISII_ICD_CodeTables.xls,

In the code table ST204_ERRORCODE,

Addition of the following entry:

6212 / 01 / Multiple DC campaigns with the same logical session ID. / 20060101 / 0004.01 / 0003.01

In the document SISII-ICD_BusinessRulesMapping.xls,

In the Data Consistency worksheet addition of the following entry for the RequestComparison and

ScheduleDataDump operations

:

/ DataConsistencyErrors_LogicalSessionIDDuplicated / LSID_DUPLICATED / 6212.01

SIC-1643 Entity type 0002.01 during DC comparison should be removed from ICD (ST112_ENTITYTYPE)

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Impacted components	ISN, CORE, BD
Analyst	Andrei Popovich
Impacted modules	CONSISTENCY
Identifier	381
Request status	ACCEPTED

Artifact Content

Description:

=====

As practically described in

SIS-R0563 DC: comparison request accept / reject: comparison must involve a consistent modifier.

The comparison will be rejected if the provided Modifiers are inconsistent:

...

* Using the Flag entity type modifier:

To reduce confusion, the Flag 0002.01 entry in ST112_ENTITYTYPE should be removed

Actions to be taken:

=====

- Table ST112_ENTITYTYPE must be modified by changing "valid until" to invalid for entry 0002.01.

- If Flag-EntityType is removed, the "Using flag entity type modifier" rule can be removed from SIS-R0563

Actions taken:

=====

- Entry 0002.01 was removed from ST112_ENTITYTYPE.

- Business rules SIS-R0563 was modified in SISII-business_rules.doc

- The Flag entry was removed from ST112_ENTITYTYPE_v1.xml

Description:

=====

As it is practically described in

SIS-R0563 DC: request for comparison accept/rejection: comparison must involve a coherent modifier.

The comparison will be rejected when the provided Modifiers are incoherent:

...

* Use of flag entity type modifier

To reduce confusion, the 0002.01 - Flag entry from the ST112_ENTITYTYPE needs to be removed, and possible

Action(s) To Be Taken:

=====

- ST112_ENTITYTYPE table needs to be modified by changing the 'valid until' to invalid for entry 0002.01.
- If the EntityType flag is removed the "Use of flag entity type modifier" rule can be removed from SIS-R0563

Action(s) Taken:

=====

- code table entry 0002.01 has been removed from ST112_ENTITYTYPE
- business rule SIS-R0563 has been modified in SISII-business_rules.doc
- removed Flag entry from ST112_ENTITYTYPE_v1.xml

SIC-1639 Data Consistency with Links

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA
Analyst	Andrei Popovich
Identifier	382
Request status	ACCEPTED

Artifact Content

Description:

=====

Consider the following use case for a Data Consistency Check process:

- The CS database contains a Link L, which connects signals A1, A2 and A3
- The national copy does not contain the A1 signaling
- The national system requires data consistency only for Link L

The operations control only the Ligatural L, not the linked signals:

- Perform Snapshot on Link L
- NS returns Link L (which contains A2 and A3)
- CS claims that the hash is not correct.
- The extraction phase is the same (CS advertisement)
- CS requests an ApplyRestorationReport with Link L (containing A1, A2 and A3)
- NS fails and sends back an error code
- CS goes to perform a snapshot again with Link L (etc)
- > NS is never updated with the appropriate signals.

Actions to be taken:

=====

After restoring a Link, the CS must include the Link and all its signaling (as per the CS records) in the next Perform Snapshot.

Actions taken:

=====

SISII-ICD.doc has been modified

The next chapter has been added

5.2.12.1 PRECISIONS ON STEP 6: APPLY RESTORATION REPORT

After confirmation of restoration by the NS, if the number of loops is not reached, the CS initiates a new loop with a Perform Snapshot.

This Perform Snapshot does not contain the "original" modifiers sent with RequestComparison (qualifier modifiers, discrete modifiers, or empty modifiers in case of full check), but discrete modifiers with IDs of the restored entities.

Restored Entity/Discrete Modifiers of the following Perform Snapshot signal

Alarm/SchengenID of the Signal Link restored

/ LinkID of restored links

/ SchengenID of the signals of each restored Link

Note: Link restoration

If a Link is restored, the IDs used for the next PerformSnapshot are the following: LinkID and SchengenIDs of all signals in the Link. With this, a complete control is made on the Link.

Description:

=====

We consider the following use case for a Data Consistency Check process:

- The CS Database contains a link L, linking alerts A1, A2, and A3
 - The National Copy does not contain the Alert A1
 - The National System requests a data consistency for the link L only
- The operations are only controlling the link L and not the linked alerts:
- Perform Snapshot on the link L
 - The NS returns link L (containing A2 and A3)
 - The CS is complaining that the hash is not correct.
 - Extraction phase is the same (CS complains)
 - The CS is requesting an ApplyRestorationReport with link L (containing A1, A2 and A3)
 - The NS is failing and sending back an error code
 - The CS goes to perform snapshot again with link L (etc.)
 - > The NS is never updated with the corresponding Alerts.

Action(s) To Be Taken:

=====

After the restoration of a Link, the CS must include the Link and all its Alerts (according to the CS) in the following Perform Snapshot.

Action(s) Taken:

=====

SISII-ICD.doc amended

Addition of the following chapter

5.2.12.1 PRECISIONS ON STEP 6: APPLY RESTORATION REPORT

After the acknowledgment of the restoration by the NS, if the number of loops is not reached, the CS initiates a new loop with a Perform Snapshot.

This Perform Snapshot does not contain the "original" modifiers sent with the RequestComparison (qualifier modifiers, discrete modifiers, or empty modifiers in case of full check), but discrete modifiers with the IDs of the restored entities.

Entity restored / Discrete Modifiers of next Perform Snapshot

Alert / SchengenID of restored alerts

Link / LinkID of restored Links

/ SchengenID of Alerts of each Link restored

Notes: Restoration of Link

If a Link is restored, IDs used for the next PerformSnapshot are: LinkID and SchengenIDs of all the Alerts of the Link. With this, a complete check on the Link is done.

SIC-1638 COM Problem - SIS II Specifications define "Maximum size of Binaries allowed in the system"

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be

	made available by STERIA
Analyst	Andrei Popovich
Identifier	383
Request status	ACCEPTED

Artifact Content

Description:

=====

A "size limit" for each binary and a size limit for messages containing binaries is essential to ensure the proper functioning of the SIS II systems (CS-SIS and NS).

Actions to be taken:

=====

Define maximum values in ICD for binaries according to the proposal:

Maximum image size 1 MB

EAW max size 2 MB

Fingerprints max size 3 MB

In any case, the maximum size of a JMS message is 10 MB altogether.

Actions taken:

=====

The SISII-ICD.doc document has been modified:

Chapter 5.3. TECHNICAL DETAILS FOR CALLING OPERATIONS

-> Added a note for the technical limit on the size of a JMS message

Chapter 5.6.3 BINARY DATA

-> Added a phrase about the maximum size of a message

Chapter 5.6.3.1 PICTURES

-> Added a phrase that defines the maximum size of an image.

Chapter 5.6.3.2 FINGERPRINTS

-> Added a phrase that defines the maximum size of a fingerprint.

Chapter 5.6.3.3 SCANNED DOCUMENTS

-> Added a phrase that defines the maximum size of a scanned document (EAW).

Description:

=====

A "limitation in size" for each binary and a limitation in size of messages containing binaries is essential to ensure the proper operation of the SIS II systems (CS-SIS and NS).

Action(s) To Be Taken:

=====

Define maximum values in the ICD for binaries according to the proposal:

Picture max size 1 MB

EAW max size 2 MB

Fingerprint max size 3 MB

In any case, the maximum size of a JMS message is 10 MB altogether.

Action(s) Taken:

=====

The document SISII-ICD.doc has been changed:

Chapter 5.3. TECHNICAL DETAILS FOR CALLING OPERATIONS

--> added a note for the technical limit of the size of a JMS message

Chapter 5.6.3 BINARY DATA

--> added a sentence about the maximum size of a message

Chapter 5.6.3.1 PICTURES

--> added a sentence which defines the maximum size of a picture.

Chapter 5.6.3.2 FINGERPRINTS

--> added a sentence which defines the maximum size of a fingerprint.

Chapter 5.6.3.3 SCANNED DOCUMENTS

--> added a sentence which defines the maximum size of a scanned document (EAW).

SIC-1637 Problem NL-request to add an attribute for the engine manufacturer of an Industrial Equipment

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Priority	tall
Analyst	Caesar Ivana
Identifier	384
Request status	ACCEPTED

Artifact Content

Description:

=====

It is requested to add an attribute for the manufacturer of the engine of the Industrial equipment. Our specialists use the engine manufacturer to identify the equipment.

It is requested to add an optional MakeOfEngine attribute to IndustrialEquipmentAlert.
Action to follow:

=====

Adding a text field in the Industrial Equipment flag:

- name= MakeOfEngine
- Maximum length = 200
- mandate/optional = optional
- type = "NameUnicodeTransform"

Action followed:

=====

Adding the optional element "MakeOfEngine", in the following types:

- IndustrialEquipmentCoreGetType (MakeTransformType)
- IndustrialEquipmentCoreGetIndexType (MakeTransformIndexType)
- IndustrialEquipmentExtractionIndexType (MakeTransformExtractionIndexType)
- IndustrialEquipmentSynopsisType (MakeTransformType)
- IndustrialEquipmentCorePutType (MakeType)

Description:

=====

It is requested to add an attribute for the make of the engine of Industrial Equipment.
Our specialists use the make of the engine to identify the equipment.

It is requested to add an optional attribute MakeOfEngine to the IndustrialEquipmentAlert.

Action(s) To Be Taken:

=====

Addition of a free text field in the IndustrialEquipmentAlert:

- name = MakeOfEngine
- maxLength = 200
- mandate/option = optional
- type = "NameUnicodeTransform"

Action(s) Taken:

=====

Addition of the optional element "MakeOfEngine", in the following types:

- IndustrialEquipmentCoreGetType (MakeTransformType)
- IndustrialEquipmentCoreGetIndexType (MakeTransformIndexType)
- IndustrialEquipmentExtractionIndexType (MakeTransformExtractionIndexType)
- IndustrialEquipmentSynopsisType (MakeTransformType)
- IndustrialEquipmentCorePutType (MakeType)

SIC-1636 Hash-Hash comparison is not correct, but Camp-Camp comparison is correct

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	Considering that at the SINS level a consistency check module established with the

	authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted
Impacted components	CORE, BD
Analyst	Caesar Ivana
Impacted modules	CONSISTENCY, CODE TABLES
Identifier	385
Request status	ACCEPTED

Artifact Content

Description:

=====

If a user provides the wrong hash value information in the NSPerformSnapshot message of the first cycle but the correct full data information in the NSPerformExtraction message, then they receive an empty CSApplyRestorationReport with a warning indicating that the data is correct but the hash calculation failed.

Do we have to start another cycle or do we have to give up the campaign?

Solution:

=====

A CSApplyRestorationReport without discrepancies will include a specific warning code + SchengenID (or LinkID) to be sent to NS (SIC-1624).

When all hash error signals are corrected we can send a message saying it's OK.

An error code will be sent once the restore report is empty.

The second cycle should not be started (no CSPerformSnapshot).

Action to follow:

=====

SISII-business_rules.doc:

- Add BR SIS-R0585

SISII-ICD_CodeTables.xls:

- Add an error code for BR SIS-R0585 in the ST204_ERRORCODE table

SISII-ICD_BusinessRulesMapping.xls:

- Add an error code for BR SIS-R0585

Action to follow:

=====

SISII-business_rules.doc modified:

- Additions from BR SIS-R0585 DC: Discrepancies between hash comparisons and field-to-field comparisons will be tracked.

SISII-ICD_CodeTables.xls modified:

- Adding the error code in the ST204_ERRORCODE table
6213 / 01 / Hash value is invalid although the content is correct. / 20060102 / 0004.01 / 0002.01

SISII-ICD_BusinessRulesMapping.xls modified, "Data Consistency" sheet:

- Adding error code for BR SIS-R0585

ApplyRestorationReport - REPORT / SIS-R0585 /

DISCREPANCIES_BETWEEN_HASH_AND_FIELD / 6213.01

SISII-ICD.doc modified, note added in 6.1.8.6.5.3 XSD's description:

The differences between the Hash to Hash comparison and the Camp to Camp comparison:

If a discrepancy is detected on Signaling, Link or Binary during the Hash comparison of the first cycle, but the data is correct during the Camp type comparison, CS sends CSApplyRestorationReport.Report with a warning (6200.01) indicating that its data is correct but the hash calculation has failed. The IDs for the respective entities, Signals, Links or Binaries, are listed in the FieldCodes part of RCI with the following format:

- SchengenID <SchengenID>
- LinkID <LinkID>
- BinaryID <BinaryID>

The list starts with SchengenIDs, compressed format, sorted in ASCII order, followed by LinkIDs and BinaryIDs sorted in numerical order.

Example:

```
<RCI>
<sisdt:ReturnCode>0001.01</sisdt:ReturnCode>
<sisdt:ResponseInformation>
<sysdt:WarningCodes>
<sisdt:WarningCode>6200.01</sisdt:WarningCode>
</sisdt:WarningCodes>
<sisdt:FieldCodes>
<sisdt:FieldCode>SchengenID 0007.021250787397493000000009.01</sisdt:FieldCode>
<sisdt:FieldCode>SchengenID 0007.021250787302296000000006.01</sisdt:FieldCode>
<sisdt:FieldCode>LinkID 152</sisdt:FieldCode>
<sisdt:FieldCode>LinkID 153</sisdt:FieldCode>
<sisdt:FieldCode>BinaryID 254</sisdt:FieldCode>
</sisdt:FieldCodes>
<sysdt:InfoCodes>
<sisdt:InfoCode>6200.01</sisdt:InfoCode>
</sisdt:InfoCodes>
</sisdt:ResponseInformation>
</RCI>
```

In the special case that all the discrepancies depending only on the hash calculation and the Field to Field comparison are without error, CS sends an empty report with the following error code 6213.01 (ST204_ERRORCODE). The field codes of all affected elements will then not be sent and no further cycle will begin.

Description:

=====

If a user provides wrong hash value information in the NSPerformSnapshot message of the first loop but the correct full data information in NSPerformExtraction message then he gets an empty CSApplyRestorationReport with a warning indicating that his data is correct but the hash calculation failed.

Do we have to start another loop or do we have to abort the campaign?

Solution:

=====

A CSApplyRestorationReport with no discrepancies shall include a specific warning code + SchengenID (or LinkID) to be sent to the NS (SIC-1624).

When the entire alerts with hash error are corrected we can send a message saying it is ok.

One Error code shall be sent once the restoration report is empty.

A second loop must not be started (no CSPerformSnapshot).

Action(s) To Be Taken:

=====

SISII-business_rules.doc:

- Add BR SIS-R0585

SISII-ICD_CodeTables.xls:

- Add an error code for the BR SIS-R0585 in table ST204_ERRORCODE

SISII-ICD_BusinessRulesMapping.xls:

- Add an error code for the BR SIS-R0585

Action(s) Taken:

=====

SISII-business_rules.doc amended:

- Addition of BR SIS-R0585 DC: Discrepancies between hash comparison and field to field comparison shall be tracked

SISII-ICD_CodeTables.xls amended:

- Addition of error code in table ST204_ERRORCODE

6213 / 01 / Hash value is invalid despite content is correct. / 20060102 / 0004.01 / 0002.01

SISII-ICD_BusinessRulesMapping.xls amended, sheet "Data Consistency":

- Addition of error code for the BR SIS-R0585

ApplyRestorationReport - REPORT / SIS-R0585 /

DISCREPANCIES_BETWEEN_HASH_AND_FIELD / 6213.01

SISII-ICD.doc amended, note added in 6.1.8.6.5.3 XSD's description:

Discrepancies between Hash to Hash comparison and Field to Field comparison:

If a discrepancy is detected on Alert, Link or Binary during Hash comparison of the first loop but the data are correct during the Field comparison, the CS sends the CSApplyRestorationReport.Report with a warning (6200.01) indicating that his data is correct but the hash calculation failed. IDs of the concerned entities, Alerts, Links or Binaries, are listed in the FieldCodes part of the RCI with the following format:

- SchengenID <SchengenID>

- LinkID <LinkID>

- BinaryID <BinaryID>

The list starts with SchengenIDs, compressed form, sorted in regular ASCII ordering, followed by LinkIDs and BinaryID sorted in numerical ordering.

Example:

<RCI>

<sisdt:ReturnCode>0001.01</sisdt:ReturnCode>

<sisdt:ResponseInformation>

<sisdt:WarningCodes>

<sisdt:WarningCode>6200.01</sisdt:WarningCode>

</sisdt:WarningCodes>

<sisdt:FieldCodes>

<sisdt:FieldCode>SchengenID 0007.021250787397493000000009.01</sisdt:FieldCode>

<sisdt:FieldCode>SchengenID 0007.021250787302296000000006.01</sisdt:FieldCode>

<sisdt:FieldCode>LinkID 152</sisdt:FieldCode>

<sisdt:FieldCode>LinkID 153</sisdt:FieldCode>

<sisdt:FieldCode>BinaryID 254</sisdt:FieldCode>

</sisdt:FieldCodes>
<sysdt:InfoCodes>
<sisdt:InfoCode>6200.01</sisdt:InfoCode>
</sisdt:InfoCodes>
</sisdt:ResponseInformation>
</RCI>

In the special case that all discrepancies just depending on hash calculation and the field to field comparison is faultless the CS sends an empty report with the error code 6213.01 (ST204_ERRORCODE). The field codes of all affected elements will not be sent then and no second loop shall be started.

SIC-1635 FI-transliteration problem in SIS II is expected to handle all national characters in original and transliterated form

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions made on the DTS
Impacted components	ISN, CS, CORE
Analyst	Caesar Ivana
Identifier	386
Request status	ACCEPTED

Artifact Content

Description:

=====

COM explains that the CMBSIS-91 issued for transliteration was reopened as a result of an inconsistency

in the implementation of the DocumentIssuingAuthority field that must be defined as well as the NAME_UNICODE_TRANSFORM.

To clarify that there is a field that allows special characters, but does not have transliterated characters.

Action to follow:

=====

- The DocumentIssuingAuthority field is made transliterable.
- The type of this field must be changed from TEXT to NAME_UNICODE_TRANSFORM.

Action followed:

=====

AlertDataTypes.xsd

The type DocumentIssuingAuthorityType (simpleType, TextRD, 255) has been replaced by the following types:

- DocumentIssuingAuthorityBaseType (simpleType, NameUnicodeOriginalRD, 255)
- DocumentIssuingAuthorityBaseTransType (simpleType, NameUnicodeTransformIRD, 510)
- DocumentIssuingAuthorityType (complexType)
- DocumentIssuingAuthorityExtractionType (complexType)
- DocumentIssuingAuthorityTransformExtractionIndexType (complexType)
- DocumentIssuingAuthorityTransformIndexType (complexType)
- DocumentIssuingAuthorityTransformType (complexType)

These new types are used in the following types:

- MisusedIdentityDocumentType (DocumentIssuingAuthorityType)
- MisusedIdentityDocumentTransformIndexType (DocumentIssuingAuthorityTransformIndexType)
- MisusedIdentityDocumentTransformExtractionIndexType (DocumentIssuingAuthorityTransformExtractionIndexType)
- MisusedIdentityDocumentTransformType (DocumentIssuingAuthorityTransformType)

This impacts the following messages:

- CSApplyDataDumpReport.xsd
- CSApplyRestorationReport.xsd
- CSBroadcast.xsd
- CSConsultDataAccessLogResponse.xsd
- CSExecuteComplementQuery.xsd
- CSExecuteExtendedQuery.xsd
- CSExecuteStandardQuery.xsd
- CSLoadAlertHistory.xsd
- CSLoadLink.xsd
- CSLoadLinkHistory.xsd
- NSCreateAlert.xsd
- NSExtendAlert.xsd
- NSPerformExtraction.xsd

Description:

=====

COM explained that the CMBSIS-91 issue on transliteration was re-opened due to an inconsistency in the implementation of the DocumentIssuingAuthority field that should be defined as well as NAME_UNICODE_TRANSFORM.

DE clarified that there is one field that allows for special characters, but has no transliterated characters.

Action(s) To Be Taken:

=====

- Make the field DocumentIssuingAuthority transliterable.

- The type of that field should be modified from TEXT to NAME_UNICODE_TRANSFORM.

Action(s) Taken:

=====

AlertDataTypes.xsd

The type DocumentIssuingAuthorityType (simpleType, TextRD, 255) was replaced by the following types:

- DocumentIssuingAuthorityBaseType (simpleType, NameUnicodeOriginalRD, 255)
- DocumentIssuingAuthorityBaseTransType (simpleType, NameUnicodeTransformIRD, 510)
- DocumentIssuingAuthorityType (complexType)
- DocumentIssuingAuthorityExtractionType (complexType)
- DocumentIssuingAuthorityTransformExtractionIndexType (complexType)
- DocumentIssuingAuthorityTransformIndexType (complexType)
- DocumentIssuingAuthorityTransformType (complexType)

These new types are used in the following types:

- MisusedIdentityDocumentType (DocumentIssuingAuthorityType)
- MisusedIdentityDocumentTransformIndexType (DocumentIssuingAuthorityTransformIndexType)
- MisusedIdentityDocumentTransformExtractionIndexType (DocumentIssuingAuthorityTransformExtractionIndexType)
- MisusedIdentityDocumentTransformType (DocumentIssuingAuthorityTransformType)

That impacts the following messages:

- CSApplyDataDumpReport.xsd
- CSApplyRestorationReport.xsd
- CSBroadcast.xsd
- CSConsultDataAccessLogResponse.xsd
- CSExecuteComplementQuery.xsd
- CSExecuteExtendedQuery.xsd
- CSExecuteStandardQuery.xsd
- CSLoadAlertHistory.xsd
- CSLoadLink.xsd
- CSLoadLinkHistory.xsd
- NSCreateAlert.xsd
- NSExtendAlert.xsd
- NSPerformExtraction.xsd

SIC-1634 Addition of business rule SIS-R0003

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	Business rule already taken into account by DTS 3.0. At the SINS level, the business rules are documented according to specific SINS documents.
Analyst	Caesar Ivana
Identifier	387

Request status	ACCEPTED
----------------	----------

Artifact Content

Description:

=====

According to SISII-business_rules-v2.72 file in ICD 2.5.3 business rule "SIS-R0003 Alert: When changing the expiration date of an alert, the new date cannot be in the past" applied only on ChangeExpiryDateAlert operation. Every time, the business rule "SIS-R0014 Alert: Allows values for the maximum expiration date of an alert at the time of creation" to the operations CreateAlert, UpdateAlert and ChangeExpiryDateAlert.

This means that it is possible to create an expired alert and change the expiration date of an alert to a date in the past using the UpdateAlert operation.

Of course this is not the expected behavior.

Action to follow:

=====

The following business rule must be modified and considered for CreateAlert, UpdateAlert and ChangeExpiryDateAlert

SIS-R0003 Alert: Changing the expiration date of an alert, the new date cannot be in the past.

Status: Int.Approved.

Package: AlertMaintenance

Changing the expiration date of a signal, the new date cannot be in the past.

(new data >= system data)

BusinessRulesMatrix must include BR SIS-R0003 for CreateAlert and UpdateAlert operations

Action followed:

=====

SISII-ICD-View-Business_Rules.xls improved

--> Adding B-SIS-R0003 to the CreateAlert section and to the UpdateAlert section

SISII-ICD_BusinessRulesMapping.xsl modified (AlertMaintenance sheet)

Description:

=====

According to the SISII-business_rules-v2.72 file in ICD 2.5.3 business rule "SIS-R0003 Alert: To change the expiration date of an alert the new date may not be in the past" applies only to the ChangeExpiryDateAlert operation. However, business rule "SIS-R0014 Alert: Allowed values for the maximum expiration date of an alert at creation" to the CreateAlert, UpdateAlert and ChangeExpiryDateAlert operations.

This means that it is possible to create an expired alert and to change the expiry date of an alert to a date in the past using the UpdateAlert operation.

Of course this is not the expected behavior.

Action(s) To Be Taken:

=====

The following business rule has to be modified and has to be taken into account for CreateAlert, UpdateAlert and ChangeExpiryDateAlert

SIS-R0003 Alert: To change the expiration date of an alert the new date may not be in the past.

Status: Int.Approved.

Package: AlertMaintenance

To change the expiration date of an alert the new date may not be in the past.
(new data >= system data)

The BusinessRulesMatrix must include the BR SIS-R0003 for the CreateAlert and UpdateAlert operations

Action(s) Taken:

=====

SISII-ICD-View-Business_Rules.xls updated
--> Added the B-SIS-R0003 to the section CreateAlert and to section UpdateAlert
SISII-ICD_BusinessRulesMapping.xsl updated (sheet AlertMaintenance)

Addition of BR SIS-R0003 in Operation CreateAlert and UpdateAlert:
"B-SIS-R0003 / InvalidExpiryDateException / INVALID_EXPIRATION_DATE / 5205.01"

SIC-1633 Business rule SIS-R0101 must be updated

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Business rule already taken into account by DTS 3.0. At the SINS level, the business rules are documented according to specific SINS documents
Priority	low
Analyst	Caesar Ivana
Identifier	388
Request status	ACCEPTED

Artifact Content

Description:

=====

In Business Rule SIS-R0101, it is not allowed for the MS to create or update a Signal with the originalQualifier field set as "MIGRATED".(0003)

Moreover, this Business rule must be amended in order to forbid the MS to perform operations of Create or Update signals with originalQualifier equal to:

- Former Yugoslav Republic of Macedonia and migration
- Another Cyrillic and migrate
- Ukrainian and migrants
- Belarus and migrants
- Bulgaria and migrated

Action to follow:

=====

Modification of business rule SIS-R0101 to include these values in the list of unaccepted fields in

OriginalQualifier for creating and modifying signaling
0034 Cyrillic other and migrated
0066 Former Yugoslav Republic of Macedonia and migrated
0130 Ukrainian and migrated
0258 Belarusian and migrated
0514 Bulgaria and migrated
Action followed:

=====
SISII-business_rules.doc modified
BR SIS-R0101 was modified as follows:

<<
No MS creation or modification allowed Signaling with original headerQualifier set to:
- Migrated
- Another and migrated Cyrillic
- Former Yugoslav Republic of Macedonia and migrated
- Ukrainian and migrated
- Belarus and migrated
- Bulgaria and migrated
The Central System will generate an error code in this case".

Author: Habone Kaleb

Description:

=====
In the Business Rule SIS-R0101, It is not allowed that MS creates or updates Alert with the field originalQualifier set to "MIGRATED". (0003)
Moreover this BusinessRule must be amended in order to forbid MS to Create or Update alerts with originalQualifier equals to :
- Former Yugoslav Republic of Macedonia and migrated
- Cyrillic other and migrated
- Ukrainian and migrated
- Belorussian and migrated
- Bulgarian and migrated

Action(s) To Be Taken:

=====
Update the business rule SIS-R0101 in order to include these values in the list of unaccepted fields in OriginalQualifier for create and update alert
0034 Cyrillic other and migrated
0066 Former Yugoslav Republic of Macedonia and migrated
0130 Ukrainian and migrated
0258 Belorussian and migrated
0514 Bulgarian and migrated

Action(s) Taken:

=====
SISII-business_rules.doc updated
BR SIS-R0101 has been amended as follows:

<<
It is not allowed that MS creates or updates Alert with the field originalQualifier set to:

- Migrated
- Cyrillic other and migrated
- Former Yugoslav Republic of Macedonia and migrated
- Ukrainian and migrated
- Belorussian and migrated
- Bulgarian and migrated
The Central System will generate an error code in this case".

Author: Habone Kaleb

SIC-1632 Modification of Business Rule SIS-R0904

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Business rule already taken into account by DTS 3.0. At the SINS level, the business rules are documented according to specific SINS documents.
Priority	low
Analyst	Caesar Ivana
Identifier	389
Request status	ACCEPTED

Artifact Content

Description:

=====

Business rule SIS-R0904 DataAmnesty: The operations allowed upon reporting Amnesty according to the SISII rules, but in the absence of the extensions of the usurped identities is false. It is actually suggested that in the case of an amnesty complaint with missing MisusedIdentityExtention, this can be modified or deleted through an ExtendAlert operation.

The business rule must be amended to clarify that the central part of an amnesty alert on a person, in accordance with the SIS II rules, but who lacks one or more impersonated identity extensions, can be Extended, but only to add the missing identity extension (not modifying or deleting it).

Action to follow:

=====

The business rule must be modified accordingly:

"If the central part of an amnesty report by the person is in accordance with the SISII rules, but it lacks one or more usurped identity extensions, the following operations are allowed:

=> ChangeExpiryDateAlert

=> CreateFlag, UpdateFlag, DeleteFlag

=> UpdateAlert

=> ExtendAlert but only to add misused identity extensions

=> DeleteAlert

Once the signaling does not lack any spoofed identity extensions, the signaling becomes SISII compliant. The system will modify the "amnestied" attribute to reflect the new situation."

Action followed:

=====

SISII-business_rules.doc modified.

BR SIS-R0904 was modified from:

<<

If the central part of an amnesty report by the person is in accordance with the SISII rules, but it lacks one or more impersonated identity extensions, the following operations are allowed:

=> ChangeExpiryDateAlert

=> CreateFlag, UpdateFlag, DeleteFlag

=> UpdateAlert

=> ExtendAlert but only to add, modify or delete extensions of impersonated identities.

=> DeleteAlert

Once the signaling does not lack any spoofed identity extensions, the signaling becomes SISII compliant. The system will modify the "amnestied" attribute to reflect the new situation."

>>

to:

<<

If the central part of an amnesty report by the person is in accordance with the SISII rules, but it lacks one or more impersonated identity extensions, the following operations are allowed:

=> ChangeExpiryDateAlert

=> CreateFlag, UpdateFlag, DeleteFlag

=> UpdateAlert

=> ExtendAlert but only for adding impersonated identity extensions

=> DeleteAlert

Once the signaling does not lack any spoofed identity extensions, the signaling becomes SISII compliant. The system will modify the "amnestied" attribute to reflect the new situation."

>>

Description:

=====

Change request:

NL requests to add the 2 letter Alphacode (present in ST006_NATIONALITY) to ST001. This abbreviation of the country is used when displaying the SchengenID to users, we think other MS will also need this.

Action(s) To Be Taken:

=====

Add a new column named "abbreviation" with a two letter code representing the country as in ST006 (IT for Italy, DE for Germany) in the code table ST001.

Add a new element "Alphacode" as in ST006Export.xsd in ST001Export.xsd.

Action(s) Taken:

=====

In the Document SISII_ICD_CodeTables.xls,

In the code table ST001_REQUESTINGUSER, addition of the column "ALPHACODE" in third position, between "VERSION" and "LABEL", with the following values:

ALPHACODE LABEL

AT AUSTRIA

BE BELGIUM

IS ICELAND
FROM GERMANY
I AM SPANISH
FR FRANCE
GR GREECE
IT ITALY
DK DENMARK
LU LUXEMBOURG
NL NETHERLANDS
NO NORWAY
PT PORTUGAL
SE SWEDEN
BE FINLAND
CZ THE CZECH REPUBLIC
EE ESTONIA
CY CYPRUS
LV LATVIA
LT LITHUANIA
HU HUNGARY
MT MALTA
PL POLAND
AND SLOVENIA
SK SLOVAKIA
IE IRELAND
UK UNITED KINGDOM
CH SWITZERLAND

In the file ST001Export.xsd,
Addition of element AlphaCode, TextRD, maxLength 5, Mandatory, after element "Valid To"

**SIC-1631 Problem NL-adding a column to Alphacode in table
ST001_REQUESTINGUSER**

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given

	consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Priority	tall
Analyst	Caesar Ivana
Identifier	390
Request status	ACCEPTED

Artifact Content

Description:

=====

Modified request:

NL requests added to Alphacode (presented in ST006_NATIONALITY) to ST001. This area abbreviation is used when the SchengenID is displayed to users, we believe that the MS will also need it.

Action to follow:

=====

Add a new column called "abbreviation" with two letter codes representing the country in ST006 (IT for Italy, DE for Germany) in the code table ST001.

Add a new element "Alphacode" as in ST006Export.xsd in ST001Export.xsd.

Action followed:

=====

In the SISII_ICD_CodeTables.xls Document,

In the ST001_REQUESTINGUSER table, adding the "ALPHACODE" column in the third position, between "VERSION" and "LABEL", with the following values:

ALPHACODE LABEL

AT AUSTRIA

BE BELGIUM

IS ICELAND

FROM GERMANY

I AM SPANISH

FR FRANCE

GR GREECE

IT ITALY

DK DENMARK

LU LUXEMBOURG

NL NETHERLANDS

NO NORWAY

PT PORTUGAL

SE SWEDEN

BE FINLAND

CZ THE CZECH REPUBLIC

EE ESTONIA

CY CYPRUS

LV LATVIA

LT LITHUANIA
HU HUNGARY
MT MALTA
PL POLAND
AND SLOVENIA
SK SLOVAKIA
IE IRELAND
UK UNITED KINGDOM
CH SWITZERLAND

In the file ST001Export.xsd,

Adding the element AlphaCode, TextRD, Maximum length 5, mandatory, after the "Valid To" element

Description:

=====

Change request:

NL requests to add the 2 letter Alphacode (present in ST006_NATIONALITY) to ST001. This abbreviation of the country is used when displaying the SchengenID to users, we think other MS will also need this.

Action(s) To Be Taken:

=====

Add a new column named "abbreviation" with a two letter code representing the country as in ST006 (IT for Italy, DE for Germany) in the code table ST001.

Add a new element "Alphacode" as in ST006Export.xsd in ST001Export.xsd.

Action(s) Taken:

=====

In the Document SISII_ICD_CodeTables.xls,

In the code table ST001_REQUESTINGUSER, addition of the column "ALPHACODE" in third position, between "VERSION" and "LABEL", with the following values:

ALPHACODE LABEL

AT AUSTRIA
BE BELGIUM
IS ICELAND
FROM GERMANY
I AM SPANISH
FR FRANCE
GR GREECE
IT ITALY
DK DENMARK
LU LUXEMBOURG
NL NETHERLANDS
NO NORWAY
PT PORTUGAL
SE SWEDEN
BE FINLAND
CZ THE CZECH REPUBLIC
EE ESTONIA
CY CYPRUS
LV LATVIA
LT LITHUANIA

HU HUNGARY
MT MALTA
PL POLAND
AND SLOVENIA
SK SLOVAKIA
IE IRELAND
UK UNITED KINGDOM
CH SWITZERLAND

In the file ST001Export.xsd,
Addition of element AlphaCode, TextRD, maxLength 5, Mandatory, after element "Valid To"

SIC-1629 Make the FileType field mandatory in every binary object

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions made on the DTS
Priority	tall
Impacted components	ISN, CS, CORE
Analyst	Caesar Ivana
Identifier	391
Request status	ACCEPTED

Artifact Content

Description:

=====

References:

Def. 80

DTS 1.32 DataDictionary 5.1.5 BINARYDESCRIPTION, p. 40
ICD 2.5.3 XSDs

Problem:

The FileType field (ST118_FileType) for any binary object is optional. Thus, it will not be possible to open a binary object with the correct presentation application if the FileType is not provided. In other words: it will not be possible to open it at all, because the implementation of a certain type of binary introspection of the binary object cannot be requested by the MS if the file type is not provided.

Proposed solution:

We transform the FileType field (ST118_FileType) as mandatory for each binary object (Photos (Objects, Persons, MI), Fingerprints (Persons, MI), and mandates).

Make sure DTS DataDictionary and all ICD operations (xsd types) are changed correctly.

Action to follow:

=====

We make the FileType field (ST118_FileType) mandatory in all affected messages.

Action followed:

=====

AlertDataTypes.xsd

In the ScannedDocumentBaseType type, the FileType field is made mandatory.

Description:

=====

References:

Def. 80

DTS 1.32 DataDictionary 5.1.5 BINARYDESCRIPTION, p. 40
ICD 2.5.3 XSDs

Problem:

The FileType field (ST118_FileType) for any binary object is not mandatory. Thus it will not be possible to open a binary object with the correct presentation application in case the FileType is not provided. In other words: it will not be possible to open it at all, because it cannot be requested by MS to implement some kind of binary introspection of the binary object in case the file type is not provided.

Proposed Solution:

Make the field FileType (ST118_FileType) mandatory for every binary object (Photographs (Objects, Persons, MI), Fingerprints (Persons, MI), and EAWs).

Ensure that DTS DataDictionary and all affected ICD operations (xsd types) have changed coherently.

Action(s) To Be Taken:

=====

Make the field FileType (ST118_FileType) mandatory in all the affected messages.

Action(s) Taken:

=====

AlertDataTypes.xsd

In the type ScannedDocumentBaseType, the field FileType is made mandatory.

SIC-1628 IT Problem: "?: +" should not be allowed at the time of Creation, but can be received during migration and can be broadcasted

Attributes

Attribute	Value
Artifact Type	Software Requirements

Priority	tall
Impacted components	ISN, CS, CORE
Analyst	Caesar Ivana
Identifier	392
Request status	ACCEPTED

Artifact Content

Description:

IT asks if the "? : +" characters are allowed in the FamilyName fields as original or transliterated values. HPS declares that these characters will not be allowed. These characters will still be received during the migration.

CMB proposes that HPS and MS consider this problem and come back with proposals.

Action to follow:

The "? : +" characters must be removed from FamilyName

A new type must be created (Extended Name Unicode) and used for Boat names, based on RD Unicode Name with ".", "-", "/", "'", "(", ")", "?", ":", ";", "+", "blank".

Action followed:

CommonDataTypes.xsd

Creating new types:

ExtendedNameUnicodeTransformRD 510

pattern "[A-Z0-9a-z\.\-/'()?:\+À-ÖØ-öø-ÿ Ā-ķĻ-ņĶ-ž'À'É'Í'Ÿ-& #x03A1;Σ-ώĖ-ĶŸ-яё-кӱиӦ ;ж V v Ĭ ĭ]+"

ExtendedNameUnicodeOriginalRD 255 (Extension of ExtendedNameUnicodeTransformRD)

Changing type:

NameUnicodeDotOriginalRD, removing "?", ":", "+"

AlertDataTypes.xsd

Type of changes for the following types of data:

NameOfBoatBaseType type=NameUnicodeDotOriginalRD=>ExtendedNameUnicodeOriginalRD

NameOfBoatBaseTransType

type=NameUnicodeDotTransformRD=>ExtendedNameUnicodeTransformRD

NameOfBoatBaseQueryType

type=NameUnicodeDotTransformRD=>ExtendedNameUnicodeTransformRD

Description:

IT asked if "? : +" characters are allowed in FamilyName fields as original values or being transliterated. HPS stated that these characters will not be allowed. These characters will nevertheless be received during migration.

CMB proposed that HPS and MS further think about this issue and come back later with proposals.

Action(s) To Be Taken:

Characters "? : +" must be removed from FamilyName

New type must be created (Extended Name Unicode) and used for Name Of Boat, based on Name Unicode RD with '"', '-', '/', '"', '(', ')', '?', ':', ';', '+', 'blank'.

Action(s) Taken:

=====

CommonDataTypes.xsd

Creation of new types:

ExtendedNameUnicodeTransformRD 510

pattern "[A-Z0-9a-z\.\-/'()\?:\+À-ÖØ-øø-ÿ Ã-ķĹ-ñĎ-žŽ'Æ-ŦŦY-& #x03A1;Σ-ώĚ-ĶŸ-яѐ-кѣиЖ ;жVvİr]+"

ExtendedNameUnicodeOriginalRD 255 (Extension of ExtendedNameUnicodeTransformRD)

Update of type:

NameUnicodeDotOriginalRD, remove of '"', ':', '+'

AlertDataTypes.xsd

Type changes for the following data types:

NameOfBoatBaseType type=NameUnicodeDotOriginalRD=>ExtendedNameUnicodeOriginalRD

NameOfBoatBaseTransType

type=NameUnicodeDotTransformRD=>ExtendedNameUnicodeTransformRD

NameOfBoatBaseQueryType

type=NameUnicodeDotTransformRD=>ExtendedNameUnicodeTransformRD

SIC-1627 Need for correct operation clarification in each DC message

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Caesar Ivana
Identifier	393
Request status	ACCEPTED

Artifact Content

Description:

=====

Some member states (Luxembourg, Latvia) questioned for a specific qualification for correct operation in DC messages.

More clearly, Latvia wondered what was the operation for the NSNotification message immediately after the PerformSnapshot message (BTSIS-2033).

And Luxembourg wanted to know the correct operation code for CSNotification after PerformSnapshot, is it 0032.01 or 0034.01 (BTSIS-2037)?

The developers are not absolutely sure about the correct implementation, so we would like to request some clarification in this regard.

Action to follow:

=====

The operation code for each message in the Data Consistency Check campaign must be described in the ICD.

Action followed:

=====

SISII-ICD.doc modified

5.2.12 - PERFORM NATIONAL COPY CONSISTENCY CHECK COMMUNICATION USE CASES

The operation code from each message in a DCC campaign were added in

Figure 46 - The normal sequence for performing a consistency check on the National Copy.

Description:

=====

Some member states (Luxembourg, Latvia) asked for some qualification for the correct operation in DC messages.

More specifically, Latvia wondered what the operation was for the NSNotification message right after the PerformSnapshot message (BTSIS-2033).

And Luxembourg wanted to know the correct code operation for the CSNotification after the PerformSnapshot, is it 0032.01 or 0034.01 (BTSIS-2037)?

Developers are not quite sure about the correct implementation, so we would like to request for some clarification on this issue.

Action(s) To Be Taken:

=====

The code operation for each message of a Data Consistency Check campaign must be described in the ICD.

Action(s) Taken:

=====

SISII-ICD.doc updated

5.2.12 - PERFORM NATIONAL COPY CONSISTENCY CHECK COMMUNICATION USE CASES

The code operation of each message of a DCC campaign was added in

Figure 46 - Normal sequence for performing a national copy consistency check

SIC-1624 Data check: Hash-Hash comparison is not correct, but Camp-Camp comparison is correct

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Considering that at the SINS level a consistency check module established with the authorities has been implemented, not respecting the specifications of the central system, the concept will be discussed with the CNSIS. At the moment it is considered accepted.
Priority	low
Impacted components	CORE, BD
Impacted modules	CONSISTENCY
Analyst	Caesar Ivana
Identifier	394
Request status	ACCEPTED

Artifact Content

Description:

=====

It would really be appreciated if the warning code is completed with SchengenId information (or linkId) of the date that has an incorrect hash value.

The structure of the message can be represented as follows:

-> in the field code: a hash comparison field failing to hold the Schengen-ID + CSURN combination.

The exact format was written in the ICD.

In any case, it will probably be used by administrators.

What is more important, is the fact that they can understand on each signal if the hash code is incorrect.

Action to follow:

=====

SISII-business_rules.doc:

- Add BR SIS-R0585

SISII-ICD_CodeTables.xls:

- Adding a warning code for BR SIS-R0585 in the ST205_WARNINGCODE table

- Regarding this change ST205_WARNINGCODE_v1.xml

SISII-ICD_BusinessRulesMapping.xls:

- Adding a warning code for BR SIS-R0585

Action followed:

=====

SISII-business_rules.doc:

- Addition of BR SIS-R0585 DC: Discrepancies between hash comparison and field to field comparison will be tracked.

SISII-ICD_CodeTables.xls:

- Adding the warning code in the ST205_WARNINGCODE table
6200 01 Hash value is invalid although the content is correct. 20060101

- Regarding ST205_WARNINGCODE_v1.xml has been modified.

SISII-ICD_BusinessRulesMapping.xls, sheet "Data Consistency":

- Addition of warning code for BR SIS-R0585

ApplyRestorationReport - REPORT / SIS-R0585 /

DISCREPANCIES_BETWEEN_HASH_AND_FIELD / 6200.01

SISII-ICD.doc modified, note added in 6.1.8.6.5.3 XSD's "Discrepancies between Hash to Hash comparison and Field to Field comparison"

with an explanation of the circumstances and an example for the returned code that contains the list of elements with the erroneous hash calculation.

Description:

=====

It would be really appreciated that the warning code is completed with an information of SchengenId (or linkId) of the data which has an incorrect hash value.

The message structure could be represented as follows:

-> in the field code: one field per hash comparison failing containing Schengen-ID + CSURN.

The exact format has to be written in the ICD.

In any case, it will probably be used by human administrators.

The only important point is that they are able to understand on which alert the hash code is incorrect.

Action(s) To Be Taken:

=====

SISII-business_rules.doc:

- Add BR SIS-R0585

SISII-ICD_CodeTables.xls:

- Add a warning code for the BR SIS-R0585 in table ST205_WARNINGCODE

- Regarding this modify ST205_WARNINGCODE_v1.xml

SISII-ICD_BusinessRulesMapping.xls:

- Add a warning code for the BR SIS-R0585

Action(s) Taken:

=====

SISII-business_rules.doc:

- Addition of BR SIS-R0585 DC: Discrepancies between hash comparison and field to field comparison shall be tracked

SISII-ICD_CodeTables.xls:

- Addition of warning code in table ST205_WARNINGCODE

6200 01 Hash value is invalid despite content is correct. 20060101

- Regarding this ST205_WARNINGCODE_v1.xml has been modified.

SISII-ICD_BusinessRulesMapping.xls, sheet "Data Consistency":

- Addition of warning code for the BR SIS-R0585

ApplyRestorationReport - REPORT / SIS-R0585 /

DISCREPANCIES_BETWEEN_HASH_AND_FIELD / 6200.01

SISII-ICD.doc amended, note added in 6.1.8.6.5.3 XSD's "Discrepancies between Hash to Hash comparison and Field to Field comparison"

with an explanation of the circumstances and an example for the return code which contains the list of elements with erroneous hash calculations.

SIC-1622 The CSNotification message must be updated in connection with the DataConsistency process

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Analyst	Caesar Ivana
Identifier	395
Request status	ACCEPTED

Artifact Content

Description:

=====

In the DataConsistency process (DataComparison or DataDump), a CSNotification must be sent by the Central System when there is a Time out on the National Side. It happens when the Central System is waiting for a message from the National System and NS did not respond in time.

So CS cancels the campaign and sends a CSNotification "Abortion"

However, in the CSNotification message the "ProcessComparison" element is not appropriate for this message. The ProcessComparison element is used when the Central System sent back a CSnotification in order to notify that the campaign continues for a comparison process.

Action to follow:

=====

Replaces the "ProcessComparison" element in "DataConsistency" in the CSNotification message

Addition of RCI in Data element

Add MessageName in the Data element to identify the error message.

Action followed:

=====

CSNotification.xsd

"ProcessComparison" element renamed to "DataConsistency"

"DataConsistency" element, data type "PCNotificationType" replaced by "DCNotificationType"

AlertDataTypes.xsd

Date type "PCNotificationType" replaced by "DCNotificationType"

Comment

<<Description: This complex type contains the information notified when an operation has happened or will happen on a Process Comparison.>>

replaced by

<<Description: This complex type contains the information notified when an operation has happened or will happen on Data Consistency.>>

"Operation" element, data type "PCNotificationOperationType" replaced by

"DCNotificationOperationType"

"Data" element, data type "PCNotificationDataType" replaced by "DCNotificationDataType"

Date type "PCNotificationOperationType" replaced by "DCNotificationOperationType"

Comment

<<Description: This simple type defines the possible business operations that triggered the Process Comparison notification message. Depending on the value, NS knows how to work with the received data.>>

replaced with

<<Description: This simple type defines the possible business operations that triggered the Data Consistency notification message. Depending on the value, NS knows how to work with the received data.>>

Data type "PCNotificationDataType" replaced by "DCNotificationDataType"

Comment

<<Description: This complex type defines the notified comparison data process.>>

replaced with

<<Description: This complex type defines the Data Consistency data notified process.>>

Extension of "PCBroadcastDataType" replaced by "DCNotificationCampaignDataType"

Date type "PCBroadcastDataType" replaced by "DCNotificationCampaignDataType"

Comment

<<Description: This complex type defines the content of a Notification Process comparison.>>

replaced with

<<Description: This complex type defines the content of the Notification Data Consistency campaign.>>

Adding element "RCI" (required), data type "RCIType".

Adding element "MessageName" (optional), data type "ST209_OperationType", Comment "Element

Description: Meaningful if RCI indicates a failure"

The SISII-ICD.doc document has been changed:

Section 6.1.8.4.2.3 XSD description

--> change the shape of CSNotification

Description:

=====

In the DataConsistency process (DataComparison or DataDump), a CSNotification must be sent by the Central System when there is a Time out on the National Side. It happens when the Central System is waiting for a message from the National System and the NS has not answered in time.

Consequently the CS cancels the campaign and sends a CSNotification "Abortion"

Nevertheless, in the message CSNotification the element "ProcessComparison" is not appropriate for these messages. The element ProcessComparison is used when the Central System has to send back a CSnotification in order to notify that the campaign continues for a process comparison

Action(s) To Be Taken:

=====

Replace the element "ProcessComparison" in "DataConsistency" in the message CSNotification
Add RCI into Data element

Add MessageName into Data element to identify the message in error

Action(s) Taken:

=====

CSNotification.xsd

Element "ProcessComparison" renamed to "DataConsistency"

Element "DataConsistency", data type "PCNotificationType" replaced by "DCNotificationType"

AlertDataTypes.xsd

Data type "PCNotificationType" replaced by "DCNotificationType"

Comment

<<Description: This complex type contains the information notified when an operation has or will occur on a Process Comparison.>>

replaced by

<<Description: This complex type contains the information notified when an operation has or will occur on a Data Consistency.>>

Element "Operation", data type "PCNotificationOperationType" replaced by

"DCNotificationOperationType"

Element "Data", data type "PCNotificationDataType" replaced by "DCNotificationDataType"

Data type "PCNotificationOperationType" replaced by "DCNotificationOperationType"

Comment

<<Description: This simple type defines the possible business operations that have triggered the Process Comparison notification message. Depending on the value, the NS knows how to deal with the received data.>>

replaced by

<<Description: This simple type defines the possible business operations that have triggered the Data Consistency notification message. Depending on the value, the NS knows how to deal with the received data.>>

Data type "PCNotificationDataType" replaced by "DCNotificationDataType"

Comment

<<Description: This complex type defines process comparison data notified.>>

replaced by

<<Description: This complex type defines process Data Consistency data notified.>>

Extension of "PCBroadcastDataType" replaced by "DCNotificationCampainDataType"

Data type "PCBroadcastDataType" replaced by "DCNotificationCampainDataType"

Comment

<<Description: This complex type defines the content of a Notification Process comparison.>>

replaced by

<<Description: This complex type defines the content of a Notification Data Consistency campaign.>>

Addition of element "RCI" (mandatory), data type "RCIType".

Addition of element "MessageName" (optional), data type "ST209_OperationType", Comment "Element

Description: Significant if RCI indicates a failure"
The document SISII-ICD.doc has been changed:
Section 6.1.8.4.2.3 XSD's description
--> exchange the figure of CSNotification

SIC-1621 Classifications related to SystemId in CSMMessage

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Caesar Ivana
Identifier	396
Request status	ACCEPTED

Artifact Content

Description:

=====

As described in Chapter 5.12.2.2 "Authorisation" of SISII-ICD, the "SystemID" field from the Header must be used to maintain a reference to a system (it can be a "hidden" National system). The intention is to facilitate the review of the journal by Users.

In NSMessage the SystemID field is completed by the User. However, for CSMMessage the SystemId field is completed by the Central System.

In this case, the SystemID contains the Central System version such as "<SystemID>SISII build v.5.1.0</SystemID>"

To help Users find messages using the SystemID, the CSMMessage fired after the NSMessage must contain the same SystemID as the one included in the NSMessage

For CSMMessage generated by Central System (such as Broadcast or Notification), SystemID must be empty.

The proposed solution:

=====

CSMessage must contain the SystemID of NSMessage.

For CSMMessage generated by Central System, Systemid must be empty.

An additional field that describes the application Version of the Central System must be added.

CMB Decision 05-13-2009:

=====

Proposal rejected

NL stated that this issue has already been discussed and rejected. SystemID should identify the system initiator.

CMB asked HPS to implement the use of SystemID as described in the ICD requirements.

Action to follow:

=====

Change the ICD to clarify that "SystemID contains the identifier of the system initiator of a message".

Action followed:

=====

In SISII-ICD.doc,

Amend Chapter 5.12.2.2 "Authorisation".

"the purpose of SystemID is to hold a reference to a system"

replaced with

"the purpose of SystemID is to hold a reference to the system initiator of the message"

Description:

=====

As described in the Chapter 5.12.2.2 "Authorisation" of the SISII-ICD, the field "SystemID" from the Header must be used to hold a reference to a system (it can be a "hidden" National system). It is intended to facilitate the log reviews by the Users.

In the NSMessage the field SystemID is filled by the User. Nevertheless, for the CSMMessage the SystemID field is filled by the Central System.

In this case, the SystemID contains the version of the Central System like "<SystemID>SISII build v.5.1.0</SystemID>"

In order to help the Users to find the messages using the SystemID, the CSMMessage triggered after a NSMessage must contain the same SystemID as included in the NSMessage

For the CSMMessage generated by the Central System (like Broadcast or Notification), the SystemID must be empty.

Proposed Solution:

=====

The CSMMessage must contain the SystemID of the NSMessage.

For the CSMMessage generated by the Central System, the Systemid must be empty.

An additional field describing the Version of the Central System application must be added.

CMB Decision 05-13-2009:

=====

Proposal Rejected

NL stated that this issue was already discussed and rejected. SystemID is supposed to identify the originator of the system.

CMB requested HPS to implement the SystemID usage as described in the ICD requirements

Action(s) To Be Taken:

=====
Amend the ICD to clarify that "SystemID contains the identifier of the originator system of the message".
Action(s) Taken:
=====

In the SISII-ICD.doc,
Update of Chapter 5.12.2.2 "Authorisation".
"purpose of the SystemID is to hold a reference to a system"
replaced by
"purpose of the SystemID is to hold a reference to the originator-system of the message"

SIC-1618 Update definition for CSURN

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Caesar Ivana
Identifier	397
Request status	ACCEPTED

Artifact Content

Description:
=====
In paragraph "4.4.UPDATE REQUEST NUMBER (URN)" of I ICDSISII-ICD-v2.5.3.doc), which says that:
"[CSURN] consists of UserID (Note: type st001_RequestingUser) and LogicalSessionID",
But in paragraph "5.1.41 CSURN" of the data dictionary (sisii-data_dictionary.v1.170.doc), which says

that

"Attribute: userID, Type ST211_TechnicalUser, Notes ID for Central System User."

Action to follow:

=====

Paragraph "4.4.UPDATE REQUEST NUMBER" from the ICD document must be amended:

"For CUD requests sent via NS (eg create signaling), the URN is implemented based on the LogicalSessionID. The rationale behind this choice is that the LogicalSessionID is unique across channels because the MessageID is unique only per channel. The value stored in the base and sent in Broadcast is the URN value from the Central System (CS) called CSURN. It is obtained by concatenating two fields: UserID (defined in ST211_TechnicalUser) and LogicalSessionID. It will be the concatenation between UserID and LogicalSessionID.

For example, for a CUD request sent by a user with UserID 0020.02 and LogicalSessionID 00000012345670054, the URN calculation is 0020.0200000012345670054.

For actions triggered directly by the CS (eg deleting an expired signal), the URN stored in the database history and sent in Broadcast is based on the current Central URN stored in the UserID part is replaced by the Central System identifier (whose value is defined in the table ST211_TechnicalUser).

For example, the deletion as a result of the expiration of a signal whose current URN is 0020.0200000012345670054 will have a new URN in Broadcast and history equal to 0000.0000000012345670054."

Action to follow:

=====

SISII-ICD.doc modified

Paragraph "4.4.UPDATE REQUEST NUMBER" from the ICD document has been modified:

"For CUD requests sent by NS (eg create signaling), the URN is implemented based on the LogicalSessionID. The reason behind this choice is that the LogicalSessionID is unique across communication channels, while the MessageID is unique only on channel (ordered or unordered). The value stored in the base and sent in Broadcast is the URN value from the Central System (CS) called CSURN. It is formed by concatenating two fields: UserID (defined in ST211_TechnicalUser) and LogicalSessionID.

For example, for a CUD request sent by a user with UserID 0020.02 and LogicalSessionID 00000012345670054, the URN calculation is 0020.0200000012345670054.

For actions triggered directly by the CS (eg deleting an expired signal), the URN stored in the database history sent in Broadcast is based on the current Central URN stored, the UserID part is replaced by the Central System identifier (whose value is defined in the table ST211_TechnicalUser).

For example, the deletion as a result of the expiration of a signal whose current URN is 0020.0200000012345670054 will have a new URN equal to 0000.0200000012345670054 in the broadcast and history."

Description:

=====

In paragraph "4.4.UPDATE REQUEST NUMBER (URN)" of the ICD (SISII-ICD-v2.5.3.doc), it is said that :

"It [CSURN] is made up of the UserID (Remark: type st001_RequestingUser) and the LogicalSessionID", But in the paragraph "5.1.41 CSURN" of the data dictionary (sisii-data_dictionary.v1.170.doc), it is said that

"Attribute : userID, Type ST211_TechnicalUser, Notes ID of the User or the Central System."

Action(s) To Be Taken:

=====

The paragraph "4.4.UPDATE REQUEST NUMBER" of the ICD document must be amended :

"For the CUD requests sent by the NS (eg alert creation), the URN is implemented based on the LogicalSessionID. The rationale behind this choice is that the LogicalSessionID is unique across channels whereas the MessageID is only unique per channel. The value stored in the database and sent in the broadcast is the central URN called CSURN. It is made up of the concatenation of tow fields: UserID (as defined in ST211_TechnicalUser) and the LogicalSessionID. It will be the concatenation of the UserID and the LogicalSessionID.

For example, for a CUD request sent by a user with UserID 0020.02 and LogicalSessionID 00000012345670054, the computed URN is 0020.0200000012345670054.

For actions triggered directly by the CS (eg deletion of an expired alert), the URN stored in the history database and sent in the broadcast is based on the current Central URN stored where the UserID part is replaced by the Central System identifier (whose value is defined in the ST211_TechnicalUser code table).

For example, deletion due to expiration of an alert whose current URN is 0020.0200000012345670054 will have in the broadcast and the history a new URN equals to 0000.0000000012345670054."

Action(s) Taken:

=====

SISII-ICD.doc updated

The paragraph "4.4.UPDATE REQUEST NUMBER" of the ICD document has been amended :

"For the CUD requests sent by the NS (eg alert creation), the URN is implemented based on the LogicalSessionID. The rationale behind this choice is that the LogicalSessionID is unique across channels whereas the MessageID is only unique per channel. The value stored in the database and sent in the broadcast is the central URN called CSURN. It is made up of the concatenation of tow fields: UserID (as defined in ST211_TechnicalUser) and the LogicalSessionID. It will be the concatenation of the UserID and the LogicalSessionID.

For example, for a CUD request sent by a user with UserID 0020.02 and LogicalSessionID 00000012345670054, the computed URN is 0020.0200000012345670054.

For actions triggered directly by the CS (eg deletion of an expired alert), the URN stored in the history database and sent in the broadcast is based on the current Central URN stored where the UserID part is replaced by the Central System identifier (whose value is defined in the ST211_TechnicalUser code table).

For example, deletion due to expiration of an alert whose current URN is 0020.0200000012345670054 will have in the broadcast and the history a new URN equals to 0000.0200000012345670054."

SIC-1617 Error code 5212 after deleting an EAW with an NSDeleteBinaryData

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Priority	Average
Analyst	Caesar Ivana
Identifier	398

Request status	ACCEPTED
----------------	----------

Artifact Content

Description:

=====

Error code 5212 for which the signal does not contain the specified binaries.
AM_DeleteBinaryData_PersonEAW_00002 test in CT TDD v3.01 wrong with error code 5212 after NSDeleteBinaryData on a mandate. SchengenId and binaryId are valid so we are not sure that this error code is suitable for this situation.

Action to follow:

=====

The following Business rule must be added.
SIS-R0868 DeleteBinaryData cannot modify the content of the warrant
Status: Int.Approved.
Package: AlertMaintenance
The DeleteBinaryData function cannot delete the binary for the mandate's ScannedDocumentDescription.
This will be done using ExtendAlert.
Action followed:

=====

SISII-Business_rules.xls modified
Business rule SIS-R0868 was added to the DeleteBinaryData operation.
SISII-ICD_CodeTables.xls modified
A new code has been added to ST204_ERRORCODE:
5215 01 "DeleteBinaryData cannot modify the content of the mandate, we use extend alert." 20060101
0004.01 0001.01
SISII-ICD_BusinessRulesMapping.xls modified
A new record has been added to the AlertMaintenance sheet:
Operation DeleteBinaryData - SIS-R0868 - AlertValidationException -
DELETE_BINARY_NOT_MODIFY_EAW - 5215.01
ST204_ERRORCODE_v1.xml changed
A new record 5215.01 has been added.

Description:

=====

Error code 5212 states that the alert does not contain the specified binaries. The
AM_DeleteBinaryData_PersonEAW_00002 test in CT TDD v3.01 fails with error code 5212 after a NSDeleteBinaryData on an EAW. Both the SchengenId and binaryId are valid so we are not sure this error code is suited for this situation.

Action(s) To Be Taken:

=====

The following Business Rule must be added
SIS-R0868 DeleteBinaryData cannot modify EAW content
Status: Int.Approved.
Package: AlertMaintenance
The DeleteBinaryData function cannot delete binary belonging to a ScannedDocumentDescription of an EAW.

This shall be done using ExtendAlert

Action(s) Taken:

=====

SISII-Business_rules.xls updated

The business rule SIS-R0868 has been added to the operation DeleteBinaryData.

SISII-ICD_CodeTables.xls updated

A new code table entry has been added in ST204_ERRORCODE:

5215 01 "DeleteBinaryData cannot modify EAW content, use extend alert." 20060101 0004.01 0001.01

SISII-ICD_BusinessRulesMapping.xls updated

A new entry has been added in the AlertMaintenance sheet:

Operation DeleteBinaryData - SIS-R0868 - AlertValidationException -

DELETE_BINARY_NOT_MODIFY_EAW - 5215.01

ST204_ERRORCODE_v1.xml updated

The new entry 5215.01 has been added.

SIC-1614 [BTSIS-1833] Add a limitation to 100 missing messageIDs in a CSNotification when message with spaces is detected

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA
Priority	low
Analyst	Caesar Ivana
Identifier	399
Request status	ACCEPTED

Artifact Content

Description:

=====

CSNotification that informs about the difference detection message (Error code 0001.01) only reports with a maximum number of 100 missing messageIDs.

If the number of missing MessageIDs exceeds 100, CS will return only the last 100 not found signals. For example, if a MessageID from 1 to 200 is missing, CS will only send a notification informing that MessageIDs from 101 to 200 are not received.

Action to follow:

=====

The definition of such a limit (this time, 100), in the ICD.

Action followed:

=====

SISII-ICD.doc modified

* 6.1.8.4.2 << OPERATION >> NOTIFICATION

--> Adding the following note:

"Note on the difference detection message:

In case of a difference detection message, a notification will be sent with the unreceived MessageIDs, but only for the last 100 IDs listed at most:

For example, if MessageIDs from 1 to 200 are missing, CS will only send notification that MessageIDs from 101 to 200 are missing"

Description:

=====

The CSNotification that informs about message gap detection (ErrorCode 0001.01) only reports a maximum number of 100 missing messageIDs.

Should the missing MessageID number exceed 100, the CS will only return the last not found 100 alerts.

For example if a MessageID 1 to 200 is missing, the CS will only send a notification informing that MessageIDs 101 to 200 are not received.

Action(s) To Be Taken:

=====

Define such limit (at this time, 100), in the ICD.

Action(s) Taken:

=====

SISII-ICD.doc updated

* 6.1.8.4.2 << OPERATION >> NOTIFICATION

--> Addition of the following notes:

"Note on message gap detected:

In case of a message gap detection there will be sent a notification with the MessageIDs not received, but only for the last 100 missed IDs at most:

For example if MessageIDs 1 to 200 are missing, the CS will only send notification informing that MessageIDs 101 to 200 are missing."

SIC-1610 Wrong wording in ICD regarding access to the input and output directory in ICD 2.5.3

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Priority	low
Analyst	Caesar Ivana
Identifier	400
Request status	ACCEPTED

Artifact Content

Description:

=====

In ICD 2.5.3 in section 5.3.7.2 this paragraph can be found
5.3.7.2 WHAT IS AVAILABLE TO CALL?

CS provides an FTP server. Each user is assigned to define an account that restricts access to a predefined folder. This file is divided into two files; one for incoming reports and another for outgoing ones. The user has write access to the former and read access to the latter.

Since the current implementation is not consistent with the ICD. MS has the right to write to its output folder, where it uploads FTP files, and to read (read only, or also write?) its FTP files from the input folder.

Action to follow:

=====

The passage requires some clarification, eg it depends on a point of view which is the input and which is the output folder.

Action followed:

=====

SISII-ICD.doc modified

Change for

* 5.3.7.2 WHAT IS AVAILABLE TO CALL?

The passage "This folder is divided into two folders; one for input and one for output. The user has write access to the first one and read access to the other."

will be modified:

"This folder is divided into two sub-folders. A) A sub-folder containing CSReports (MS input folder) and B) a sub-folder containing NSReports (MS output folder). MS will have read access to A) and writing right to B)."

Description:

=====

In the ICD 2.5.3 in section 5.3.7.2 this paragraph can be found

5.3.7.2 WHAT IS AVAILABLE TO CALL?

CS provides an FTP server. Each User is assigned to a defined account that restricts access to a predefined folder. This folder is subdivided into two folders; one for the incoming reports and the other for the outgoing ones. The User has write access to this former and read access to the latter.

Whereas the implementation currently is not coherent to the ICD. The MS has write access to their outgoing folder, where they upload their FTP files, and read (read only, or also write?) their FTP files from the incoming folder

Action(s) To Be Taken:

=====

The passage needs some clarification, eg it depends on the point of view which one is the incoming and which one is the outgoing folder.

Action(s) taken:

=====

SISII-ICD.doc changed

Modification of

* 5.3.7.2 WHAT IS AVAILABLE TO CALL?

The passage "This folder is subdivided into two folders; one for the incoming reports and the other for the outgoing ones. The User has write access to this former and read access to the latter."

will be changed to

"This folder is subdivided into two sub-folders. A) One sub-folder containing CSReports (MS incoming folder) and B) one sub-folder containing NSReports (MS outgoing folder). MS will have read access to A) and write access to B)."

SIC-1609 Providing all updated Link data in CSBroadcast for a deleteAlert operation

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of

	those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Priority	tall
Analyst	Caesar Ivana
Identifier	401
Request status	ACCEPTED

Artifact Content

Description:

=====

Deleting a signal that belongs to multiple links will generate an Alert Broadcast Message with:

- delete the content of the alert (SchengenID)

- a List of links affected by this operation.

Therefore, for a modified link, the following information is sent: (LinkID+LinkNationalReference+Hash).

However, the NS has enough information to check the hash of the Link (provided in CSBroadcast message) because some modified Link data is missing from CSBroadcast.

For example, the Link's LastModificationDate is not provided.

Action to follow:

=====

To delete an alert that affects certain links, all information about the modified Links must be sent back in the Alert Broadcast message (LastModificationDate)

Action followed:

=====

AlertDataTypes.xsd

The following types will be added:

- + AlertLinkBaseDataType

- + LinkID (Required)

- + LinkNationalReference (Optional)

- + InputDate (Optional)

- + LastModificationDate (Optional)

The following changes have been made to AlertLinkBroadcastDataType:

- + Extension of AlertLinkBaseDataType

- + LinkedAlerts/SchengenID (min 2, unlimited)

- + Hash (Optional)

The following changes have been made to AlertBroadcastDataType:

- + Element Description of the "Amnestied" element changed to: "Significant if the operation is Create or Update."
- + LinkIDs/LinkID element replaced by Links/Link
- + Link element type changed from UpdatedLinkInfoType to AlertLinkBroadcastDataType
- + Removed UpdatedLinkInfoType

Description:

=====

Deleting an alert which belongs to multiple links, will generate an Alert Broadcast Message with:

- the delete alert content (SchengenID)
- a List of the links impacted by this operation.

Consequently, for an updated link, the following information is sent:

(LinkID+LinkNationalReference+Hash).

Nevertheless, the NS do not have enough information to check the hash of the Link (provided in the CSBroadcast message) because some Link data updated are missing in the CSBroadcast.

For example, the LastModificationDate of the Link is not provided.

Action(s) To Be Taken:

=====

For an alert deletion impacting some links, all the information concerning the updated Links must be sent back into the Alert Broadcast message (LastModificationDate)

Action(s) Taken:

=====

AlertDataTypes.xsd

The following types will be added:

- + AlertLinkBaseDataType
- + LinkID (Mandatory)
- + LinkNationalReference (Optional)
- + InputDate (Optional)
- + LastModificationDate (Optional)

The following changes were made in AlertLinkBroadcastDataType:

- + Extension of AlertLinkBaseDataType
- + LinkedAlerts/SchengenID (min 2, unbounded)
- + Hash (Optional)

The following changes were made in AlertBroadcastDataType:

- + Element Description of the element "Amnestied" changed to: "Significant if operation is Create or Update."
- + Element LinkIDs/LinkID changed by Links/Link
- + Type of element Link changed from UpdatedLinkInfoType to AlertLinkBroadcastDataType
- + Remove UpdatedLinkInfoType

SIC-1605 Typo found in a "tag" of an XSD

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Comments	The XSD schemes

	implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Priority	tall
Analyst	Caesar Ivana
Identifier	402
Request status	ACCEPTED

Artifact Content

Description:

=====

A spelling mistake was found in the "tag" of the XSD.

It was found in the following part: NSRequestComparison message > comparisonModifier > ModificationTimeFrame

ModificationTimeFrame is written: ModificationTimeFrame (an "i" is missing).

Action to follow:

Correct the spelling mistake in the next XSD release by replacing the ModificationTimeFrame field with "ModificationTimeFrame".

Action taken:

=====

CommonDataTypes.xsd

In the QualifierModifierType field name "ModificationTimeFrame" replaced by "ModificationTimeFrame".

Description:

=====

A misspelling has been found in a "tag" of the XSD.

It has been found in the following path: NSRequestComparison message > comparisonModifier > ModificationTimeFrame

ModificationTimeFrame is written: ModificationTimeFrame (a "i" is missing).

Action(s) To Be Taken:

=====
Correct the misspelling in the next XSD release by replacing the field ModificationTimeFrame to "ModificationTimeFrame".

Action(s) Taken:

=====
CommonDataTypes.xsd
In the type QualifierModifierType field name "ModificationTimeFrame" replaced by "ModificationTimeFrame".

SIC-1604 Update business rule to prevent duplication of Flags with a different version of the requesting user

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Analyst	Caesar Ivana
Identifier	403
Request status	ACCEPTED

Artifact Content

Description:

=====
Modify a business rule to prevent a duplication of flags with a different version of the requesting User.

Action to follow:

=====
Modify business rule SIS-R0238 to prevent a duplicate flag with different version of the requesting User.

Action followed:

=====
In the file SISII-Business_rules.doc, business rule SIS-R0238 was modified with the following text:
"The system must reject the creation of a flag already created on a signal by the same requester, regardless of the version."

Description:

=====
Update a business rule to prevent from duplication of flags with different version of requesting user.

Action(s) To Be Taken:

Update the business rule SIS-R0238 to prevent from duplication of flag with different version of requesting user.

Action(s) Taken:

In the file SISII-Business_rules.doc, the business rule SIS-R0238 was updated with the following text:
"The system must reject the creation of a flag already created on an alert by the same requester regardless of the version."

SIC-1603 Table ST006_NATIONALITIES should be aligned with ISO3166

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The existing CS.SIS nomenclature in SINS, which have such values, will be updated accordingly and provided to the authorities.
Priority	Average
Analyst	Caesar Ivana
Identifier	404
Request status	ACCEPTED

Artifact Content

Description:

Table ST006 does not agree with ISO3166.

Action to follow:

The ST006_NATIONALITY table must be modified to align with DTS.

Action followed:

In the file SISII-ICD_CodeTables.xls, the worksheet ST006_NATIONALITY has been modified:

Added values:

0831 / 01 / GG / GUERNSEY / 20060101
0833 / 01 / IM / ISLE OF MAN / 20060101
0832 / 01 / JE / JERSEY / 20060101
0499 / 01 / ME / MONTENEGRO / 20060101
0275 / 01 / PS / PALESTINIAN TERRITORY, OCCUPIED / 20060101
0652 / 01 / BL / SAINT BARTHELEMY / 20060101
0663 / 01 / MF / SAINT MARTIN (FRENCH PART) / 20060101
0688 / 01 / RS / SERBIA / 20060101
0248 / 01 / AX / ÅLAND ISLAND / 20060101

Description:

Code table ST006 is not in line with ISO3166.
Action(s) To Be Taken:

The table ST006_NATIONALITY must be updated to be in-line with the DTS.
Action(s) Taken:

In the file SISII-ICD_CodeTables.xls, the worksheet ST006_NATIONALITY has been updated:
Added values:

0831 / 01 / GG / GUERNSEY / 20060101
0833 / 01 / IM / ISLE OF MAN / 20060101
0832 / 01 / JE / JERSEY / 20060101
0499 / 01 / ME / MONTENEGRO / 20060101
0275 / 01 / PS / PALESTINIAN TERRITORY, OCCUPIED / 20060101
0652 / 01 / BL / SAINT BARTHELEMY / 20060101
0663 / 01 / MF / SAINT MARTIN (FRENCH PART) / 20060101
0688 / 01 / RS / SERBIA / 20060101
0248 / 01 / AX / ÅLAND ISLAND / 20060101

SIC-1600 Add a business rule to guarantee the uniqueness of the RequestingUser + NationalIDNumber combination of a SchengenID

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	Business rule already taken into account by DTS 3.0. The specific error code will be implemented at the SINS level. A new nomenclature of error codes will be provided to the authorities.
Priority	Average
Analyst	Caesar Ivana
Identifier	405
Request status	ACCEPTED

Artifact Content

Description:

In SIS II, it is possible to use SchengenIDs with the same RequestingUser + NationalIDNumber for alerts of different types.

For example, it is possible to use 0011.02 (NL) 0000123456789 for both vehicle-type signaling such as registration plate signaling. The only field that will differ in this example is RecordType.

This can generate major problems in the converter and SIS 1+ applications during the migration phase.

The conversion of the two SchengenIDs can lead to the same SIS 1+ SchengenID, resulting in two alerts with the same (SIS 1+) SchengenID.

In the example above, both signals will be converted into vehicle-type signals with SIS 1+ SchengenID N 0000123456789 2)

Action to follow:

=====

Create a new business rule and the new error code.

Followed action:

=====

In the document SISII-business_rules.xls, the business rule BR SIS-R0539 was added.

In the SISII_ICD_CodeTables document, the ST204_ErrorCode code table was modified with the following entry:

5214 / 01 / Uniqueness of combination of "Requesting country", "NationalId" and "Alias" in SchengenID violated. / 20060101 / 0004.01 / 0001.01

In the SISII-ICD_BusinessRulesMapping.xls document, the AlertMaintenance/CreateAlerta worksheet was modified with the following entry:

SIS-R0539 / AlertValidationException / UNIQUENESS_SCHENGEN_ID_VIOLATED / 5214.01

Description:

=====

In SIS II it is possible to use the SchengenIDs with the same RequestingUser + NationalIDNumber for alerts of different Recordtypes.

For example, it is possible to use 0011.02 (NL) 0000123456789 for both a vehicle alert and a license plate alert. The only field that will differ in this sample is RecordType.

This may generate major problems in the converter and SIS 1+ applications during the migration phase.

The conversion of the 2 SchengenIDs can lead to the same SIS 1+ SchengenID, resulting in 2 alerts with the same (SIS 1+) SchengenID.

(In the example above both alerts will be converted to vehicle alerts with SIS 1+ SchengenID N 0000123456789 2)

Action To Be Taken :

=====

Create the new business rule and the new error code.

Action Taken :

=====

In the document SISII-business_rules.xls, the business rule BR SIS-R0539 has been added.

In the document SISII_ICD_CodeTables, the code table ST204_ErrorCode has been updated with the following entry:

5214 / 01 / Uniqueness of combination of "Requesting country", "NationalId" and "Alias" within the SchengenID violated. / 20060101 / 0004.01 / 0001.01

In the document SISII-ICD_BusinessRulesMapping.xls, the worksheet AlertMaintenance/CreateAlert has been updated with the following entry:

SIS-R0539 / AlertValidationException / UNIQUENESS_SCHENGEN_ID_VIOLATED / 5214.01

SIC-1602 The ISIN number must be refined, in order to store other numbers, depending on the security category

Attributes

Attribute	Value
Artifact Type	Software Requirements
Impacted components	ISN, CS, CORE
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Analyst	Caesar Ivana
Identifier	406
Request status	ACCEPTED

Artifact Content

Description:

=====

The description of the NumberISIN field must be refined to store other numbers depending on the security category.

Action to follow:

=====

The description of NumberISIN must be changed in XSD.

Action followed:

=====

In the AlertDataTypes.xsd file, the NumberISIN tfield has been modified as follows:

- SecurityCorePutType
- SecurityCoreGetType
- SecurityCoreGetIndexType

- SecurityExtractionIndexType
- SecuritySynopsisType

with the following description:

Element Description: Element Description: The field can be used for ISIN-Number, Card-Number, Depot-Number, Book-Number and Check-Number. No spaces are allowed.

Description:

=====

Description of field NumberISIN has to be refined in order to store other numbers depending on security category.

Action(s) To Be Taken:

=====

The description of NumberISIN must be updated in the XSD.

Action(s) Taken:

=====

In the file AlertDataTypes.xsd, the field NumberISIN has been updated in the following types:

- SecurityCorePutType
- SecurityCoreGetType
- SecurityCoreGetIndexType
- SecurityExtractionIndexType
- SecuritySynopsisType

with the following description:

Element Description: Element Description: This field can be used for ISIN-Number, Card-Number, Depot-Number, Book-Number and Cheque-Number. No blank is allowed.

SIC-1599 Order of fields is different in ExtractionDataLinkType and DataDumpLinkType

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with

	the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Analyst	Caesar Ivana
Identifier	407
Request status	ACCEPTED

Artifact Content

Description:

=====

In terms of XSD, the order of fields in ExtractionDataLinkType is not the same as in DataDumpLinkType (File : LinkDataTypes.xsd) :

In ExtractionDataLinkType the order is:

- CSURN
- LinkID
- LinkNationalReference
- LinkedAlerts
- UBN
- InputData
- LastModificationDate

In DataDumpLinkType the order is:

- CSURN
- LinkID
- LinkNationalReference
- InputData
- LastModificationDate
- LinkedAlerts
- UBN

The harmonization will simplify the maintenance and reading of the xsd.

Action to follow:

=====

Changing the order of fields in ExtractionDataLinkType to be the same as DataDumpLinkType.

The new order proposed in ExtractionDataLinkType:

- CSURN
- LinkID
- LinkNationalReference
- InputData
- LastModificationDate
- LinkedAlerts
- UBN

Action followed:

=====

Field order in ExtractionDataLinkType changed to be the same as in DataDumpLinkType data type.

New order in ExtractionDataLinkType:

- CSURN
- LinkID

-LinkNationalReference
-InputData
-LastModificationDate
-LinkedAlerts
-UBN

Description:

=====

Regarding the XSD, the order of the fields in ExtractionDataLinkType is not the same as in the DataDumpLinkType

(File : LinkDataTypes.xsd) :

In ExtractionDataLinkType the order is:

- CSURN
-LinkID
-LinkNationalReference
-LinkedAlerts
-UBN
-InputData
-LastModificationDate

In DataDumpLinkType the order is:

- CSURN
-LinkID
-LinkNationalReference
-InputData
-LastModificationDate
-LinkedAlerts
-UBN

The harmonization will simplify the maintenance and the reading of xsd.

Action(s) To Be Taken:

=====

Change the field order in ExtractionDataLinkType to be the same as the DataDumpLinkType.

New order proposed in ExtractionDataLinkType:

- CSURN
-LinkID
-LinkNationalReference
-InputData
-LastModificationDate
-LinkedAlerts
-UBN

Action(s) Taken:

=====

Field order in ExtractionDataLinkType data type changed to be the same as in DataDumpLinkType data type.

New order in ExtractionDataLinkType:

- CSURN
-LinkID
-LinkNationalReference
-InputData
-LastModificationDate

-LinkedAlerts
-UBN

SIC-1595 ST204_ErrorCode: entry description for 0002.01 "Missing received message", should be changed to "Unsequenced received message".

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	The existing CS.SIS nomenclature in SINS, which have such values, will be updated accordingly and provided to the authorities
Analyst	Caesar Ivana
Identifier	408
Request status	ACCEPTED

Artifact Content

Description:

=====

In the ST204_ErrorCode Code table, the description for record 0002.01 is "Missing received message". The description will change to "Message received out of sequence" as it applies to all messages whose MessageID is lower than the one provided.

Action to follow:

=====

Modification of the description of record 0002.01 in the ST204_ErrorCode table.

Action followed:

=====

In the document SISII_ICD_CodeTables,

In the ST204_ERRORCODE table, the record label 0002.01 has been changed from "Missing received message."

in "Message received out of sequence."

Regarding this, the ST204_ERRORCODE_v1.xml file has been modified.

Description:

=====

In the ST204_ErrorCode Code Table, the description for the entry 0002.01 is "Missing message received".

The description shall change to "Out of sequence message received" as it applies to all messages whose MessageID is lower than the expected one.

Action(s) To Be Taken:

=====

Change the description of the entry 0002.01 in the ST204_ErrorCode Code Table.

Action(s) Taken:

=====

In the Document SISII_ICD_CodeTables,

In the ST204_ERRORCODE code table, label of the entry 0002.01 has been changed from "Missing Message Received."

to "Out of sequence message received."

Regarding this the file ST204_ERRORCODE_v1.xml has been modified.

SIC-1587 CMBSIS-189 - Issue DE - Broadcast Order for Member States - specification not detailed enough

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Andrei Popovich
Identifier	409
Request status	ACCEPTED

Artifact Content

Description:

=====

- CMBSIS-189 - DE issue -Broadcast ordering for member states - insufficiently detailed specification

As discussed in the meeting that took place on October 16.

NL again noted that, according to them, the problem can only be solved if the Broadcast can be performed in parallel tracks and not sequentially as it is now. The problem can be solved if the update messages

contain all alphanumeric information. You just have to find a solution to the problem of downloading binaries asynchronously.

- a) Does MS have to sequence or not? (if yes, then there is a severe performance problem).
- b) Applying the parallelization of Broadcast messages to the DB of the National Systems without modifying the messages.
- c) Changing update messages.

AT reminded that another solution could be the fact that Member States can collect the messages addressed to them instead of re-sequencing an entire package.

Actions to be taken:

=====

According to CMB 20081123:

<<

CMBSIS-185/189 - The sequence of messages in the input queue of the Member States is not ordered. HPS has confirmed that Member States should not implement any modification on the side of National Systems (Member States should not implement a "wait" routine for the next minimum. They may decide to implement it as an additional and backup check of safety on SN). HPS is now working to resolve this issue at CS. Steria will document this issue in the next ICD release.

>>

Actions taken:

=====

Added the following note from point 5.5.6 Handling duplicates and inversions

<<

Note: This section describes the implementation on the central side. Member States are not obliged to implement the algorithm detailed in this section. On the other hand, member states could decide to implement it as an additional check and safety rescue. However, Member States must still implement FIFO queues for ordered asynchronous JMS channels.

>>

Description:

=====

- CMBSIS-189 - DE issue - Broadcast ordering for Member States - specification not detailed enough
As discussed during the meeting that took place on October 16th.

NL remarked again that according to them the problem can only be solved if broadcasting can be done in parallel tracks and not sequentially as it is now. The problem could be solved if the update messages would contain all alphanumeric information. Only a problem to download binaries asynchronously needs to be found.

- a) Do MS need to sequence or not (is yes then there is a severe performance issue).
- b) Parallelise broadcast application messages to NS DB without changing the messages.
- c) Change the update messages.

AT reminded that another solution could be that MS can pick up messages for them instead of re-sequencing a whole package.

Action(s) To Be Taken:

=====

As per CMB 20081123:

<<

CMBSIS-185/189 - Message sequence in MS incoming queue not ordered. HPS confirmed that MS should not implement any change at National side (MS do not have to implement a "wait routine" for minimum next. They could decide to implement it as an additional check and safeguard on NS). HPS is

now working to solve this issue at CS. Steria to document this issue in the next ICD release.

>>

Action(s) Taken:

=====

Added the following note in section 5.5.6 Handling of Duplicates and Inversions

<<

Notes: This section describes the implementation on the central side. Member States are not obliged to implement the algorithm detailed in this section. On the other hand, MS could decide to implement it as an additional check and safeguard. Nevertheless, MS shall still implement FIFO queues for the asynchronously ordered JMS channel.

>>

SIC-1584 In CSApplyRestorationReport (LinkDataType), changing Inputdate and LastModificationDate fields to Optional

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	tall
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Analyst	Caesar Ivana
Identifier	410
Request status	ACCEPTED

Artifact Content

Description:

=====

Regarding the CSApplyRestorationReport message from the DataConsistency process:
If a Link must be deleted in the National System, only the LinkID, the UBN and the command (DELETE) must be sent in the CSApplyRestorationReport message.
As the Inputdate and LastModificationDate fields are mandatory in CSApplyRestorationReport, the process will fail during XSD validation of the message.
Action to follow:

=====
LinkDataTypes.xsd
The Inputdate and LastModificationDate fields must be optional.
Action followed:

=====
In the LinkRestoreType type, the InputDate and LastModificationDate fields have been made optional.

Description:

=====
Regarding the message CSApplyRestorationReport of the DataConsistency process :
If a Link must be deleted into the NationalSystem, only the LinkID, the UBN and the order (DELETE) must be sent into the message CSApplyRestorationReport.
As the fields Inputdate and LastModificationDate are mandatory in the CSApplyRestorationReport, the process will fail during the XSD validation of the message.
Action(s) To Be Taken:

=====
LinkDataTypes.xsd
The fields Inputdate and LastModificationDate must be optional
Action(s) To Be Taken:

=====
In the type LinkRestoreType, the fields InputDate and LastModificationDate were made optional.

SIC-1576 Export from code tables for ICD 2.5.3 does not contain new codes for search modes

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The existing CS.SIS nomenclature in SINS, which have such values, will be updated accordingly and provided to the authorities.
Priority	Average
Analyst	Caesar Ivana
Identifier	411
Request status	ACCEPTED

Artifact Content

Description:

=====
"BTSIS-1553.doc" (Estonia commented)
The export from the code table ST108_SEARCHMODE does not contain the new codes
0010 01 fuzzy number
0011 01 fuzzy number + partial
Action to follow:
=====
Regenerating the Export for the updated code table
Action followed:
=====
The export for the code table has been generated.
It now contains the specific values for the ST108_SEARCHMODE table.

Description:

=====
"BTSIS-1553.doc" (Estonia commented)
Export of the code table ST108_SEARCHMODE does not contain new codes
0010 01 fuzzy number
0011 01 fuzzy number + partial
Action(s) To Be Taken:
=====
Regenerate the Export of the updated Code Tables
Action(s) Taken:
=====
The Export of the code tables has been generated.
It now contains the specified values for the table ST108_SEARCHMODE.

SIC-1575 The pattern for DateTimeRD is not correct

Attributes

Attribute	Value
Artifact Type	Software Requirements
Comments	The XSD schemes implemented at the level of SINS represent an adaptation of those made available by CS.SIS. The modification of those from the Central System implies their adaptation in the context of SINS. The changes will also be extended in the case of the SINS interface with SIB-STERIA. During the

	detailed analysis period, the changes made to the given consistency schemes will be established in accordance with the decisions taken on the DTS.
Impacted components	ISN, CS, CORE
Priority	tall
Analyst	Caesar Ivana
Identifier	412
Request status	ACCEPTED

Artifact Content

Description:

=====

The pattern defined for DateTimeRD is not correct

DateTimeRD is now : (18\d\d19\d\d20[0-4]\d2050)\-((0[1-9]|1[0-2])\-((0[1-9]|1[0-2])\d3[0-1]))T([01][0-9]|2[0-3]):[0-5][0-9]:[0-5]\d{3}((\+|-\)((0[0-9]|1[0-3]):[0-5][0-9]|14:00))Z)?

Even though TimeStamp 1800-01-01T00:00:00A000+00:00 is accepted by XSD, this TimeStamp is not correct. In fact, instead of having the character "A" we must have a '.' (Point)

Action to follow:

=====

The DateTimeRD pattern should now be:

(18\d\d19\d\d20[0-4]\d2050)\-((0[1-9]|1[0-2])\-((0[1-9]|1[0-2])\d3[0-1]))T([01][0-9]|2[0-3]):[0-5][0-9]:[0-5]\d{3}((\+|-\)((0[0-9]|1[0-3]):[0-5][0-9]|14:00))Z)?

Action followed:

=====

CommonDataTypes.xsd

Adding "." before "A", the DateTimeRD pattern is:

(18\d\d19\d\d20[0-4]\d2050)\-((0[1-9]|1[0-2])\-((0[1-9]|1[0-2])\d3[0-1]))T([01][0-9]|2[0-3]):[0-5][0-9]:[0-5]\d{3}((\+|-\)((0[0-9]|1[0-3]):[0-5][0-9]|14:00))Z)?

It affects all messages.

Description:

=====

The pattern defined for DateTimeRD is not correct

DateTimeRD is now : (18\d\d19\d\d20[0-4]\d2050)\-((0[1-9]|1[0-2])\-((0[1-9]|1[0-2])\d3[0-1]))T([01][0-9]|2[0-3]):[0-5][0-9]:[0-5]\d{3}((\+|-\)((0[0-9]|1[0-3]):[0-5][0-9]|14:00))Z)?

Even if TimeStamp 1800-01-01T00:00:00A000+00:00 is ACCEPTED by XSD, this TimeStamp is not correct. In fact instead of having the char "A" we must have a '.' (Dot)

Action(s) To Be Taken:

=====

The pattern of DateTimeRD must be now :

(18\d\d19\d\d20[0-4]\d2050)\-((0[1-9]|1[0-2])\-((0[1-9]|1[0-2])\d3[0-1]))T([01][0-9]|2[0-3]):[0-5][0-9]:[0-5]\d{3}((\+|-\)((0[0-9]|1[0-3]):[0-5][0-9]|14:00))Z)?

Action(s) Taken:

=====

CommonDataTypes.xsd

Addition of "\" before ".", the pattern of DateTimeRD is:

(18\d\d|19\d\d|20[0-4]\d|2050)\-((0[1-9]|1[0-2])\-((0[1-9]|[1-2]\d|3[0-1]))))T([01][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9]\.\d{3}(([\+|-]((0[0-9]|1[0-3]):[0-5][0-9]|14:00))Z)?

Impacts in all the messages.

SIC-1574 ST108_SEARCHMODE contains duplicates

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	The existing CS.SIS nomenclature in SINS will be updated accordingly and provided to the authorities.
Analyst	Caesar Ivana
Impacted modules	CODE TABLES
Identifier	413
Request status	ACCEPTED

Artifact Content

Description:

=====

In the SISII-ICD_CodeTables-v2.5.3.xls document that can be found in ICD 2.5.3, the ST108_SEARCHMODE table contains the values:

0003.01 any name

0009.01 any name + exact

This is a duplicate and any exact+name will be invalidated.

Action to follow:

=====

Record 0009.01 any name + exact must be removed from table ST108_SEARCHMODE

Action followed:

=====

In the SISII-ICD_CodeTables.xls document regarding the ST108_SEARCHMODE worksheet, the following record was removed:

0009 / 01 / any name + exact / 20060101

Regarding this file ST108_SEARCHMODE_v1.xml has been modified.

Description:

=====

In the document SISII-ICD_CodeTables-v2.5.3.xls which can be found in the ICD 2.5.3 the table

ST108_SEARCHMODE contains the values:

0003.01 any-name

0009.01 anyname + exact

This is a duplication and the anyname+excat shall be made invalid.

Action(s) To Be Taken:

=====

The entry 0009.01 anyname + exact must be removed from the code table ST108_SEARCHMODE

Action(s) Taken:

=====

In the document SISII-ICD_CodeTables.xls concerning the worksheet ST108_SEARCHMODE, the following entry has been removed:

0009 / 01 / anyname + exact / 20060101

Regarding this the file ST108_SEARCHMODE_v1.xml has been updated.

SIC-1573 Does CSEexecuteExtendedQuery contain only identities that match the criteria or all identities for Person Reporting?

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	Additional details regarding the extended query on persons. Retest on SINS to check that the functionality works according to the requirements.
Analyst	Caesar Ivana
Identifier	414
Request status	ACCEPTED

Artifact Content

Description:

=====

There are too many identities returned when searching for a person by Family name as a criterion for example. It is not clear if in the following cases:
An alert1 has 2 identities: Identity1 with the last name "A" and Identity2 with the last name "B" if the search criteria is "all alerts of the person with the last name 'A'", CSEexecuteExtendedQuery contains all the identities of the alert1 or only the identities of the alert1 that fit the criteria.
Report that only the standard search returns exactly matching identities and that the extended query returns all matching identities.

Action to follow:

=====

The following BR must be added:
SIS-R0343 StandardQuery results

"The standard search functions only return identities that match the search criteria for a person report."

Action followed:

=====

SISII-Business_rules.doc modified

BR SIS-R0343 was modified to the section "2.6.1 ExecuteStandardQuery"

Description:

=====

There are too many identities returned when queering persons by using Family name criteria for example.

It is not clear if in the following cases:

An Alert1 has 2 identities: Identity1 with family name "A" and Identity2 with family name "B" if the search criteria is "all the person alert with the family name 'A'", does CSExecuteExtendedQuery contain all the identities of the Alert1 or only the identities of the Alert1 matching with the criteria.

Report the fact that only standard query returns the exact matching identities and that the extended query returns all identities of matching alert.

Action(s) To Be Taken:

=====

The following BR must have been added:

SIS-R0343 StandardQuery result

"The Functions StandardQuery only returns the identities that are matching the search criteria from a person alert."

Action(s) Taken:

=====

SISII-Business_rules.doc updated

The BR SIS-R0343 has been added to the section "2.6.1 ExecuteStandardQuery"

SIC-1568 Sender in Central System messages

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	low
Comments	The Communication Protocol between SINS and the Authorities represents an adaptation of the one from the Central System. If CS.SISII comes with changes that can bring improvements to SINS, then these will be taken over as a concept. In the detailed analysis, it will be decided which modification will be taken over and implemented in SINS-ISN. The modified/updated

	communication protocol between SINS and SIB will be made available by STERIA.
Analyst	Caesar Ivana
Identifier	415
Request status	ACCEPTED

Artifact Content

Description:

=====

The Central System currently uses the following logic to set the user in a message: the user is the system that triggered the application. In practice, the user is in the message header:

- 1) CS Responses reuses the user of the initial message
- 2) The messages that CS sends, broadcasts and notifications, use the Central System user.

On the other hand, the sender and recipient that are in the Message Log correspond to the users in the system who issue the message and the recipient of the message. They therefore differ from the user in the header of the message corresponding to the operation.

However, a case of reversal has been highlighted. Version 4.5.0 of the Central System solves the problem. The 'Sender' and 'Recipient' attributes of log records are now correct.

But in case 1) the user in the message header is still the one reused from the initial NS message. This is not logical and we cannot find any place in the documentation where it is defined. The Central System works as described above, from the beginning.

We believe that the user for CSMessages must be the Central System, as is the one that sends the message.

Action to follow:

=====

Clarification in the ICD that the user in the CSxxx message is always the Central System.

Action followed:

=====

Modification of section 5.2.4.2 XML Message Header by adding the following note:

<<

Note: In the case of the message issued by the Central System, the user is always the Central System.

>>

Description:

=====

The Central System currently uses the following logic to set the User in a message: the User is the system that triggered the application. In practice, the User in the message header:

- 1) CS Responses reuse the User of the initial message
- 2) Messages that the CS sends, broadcasts and notifications, use the Central System User

On the other hand, the sender and the recipient stored in the Message Log correspond to the Users to the system that issued the message and to the addressee of the message. They therefore differ from the User in the header of the message according to the operation.

Nevertheless, an inversion case was highlighted. The version 4.5.0 of the Central System is fixing the issue. The sender and the recipient attribute of the log entries are now correct.

But in case 1) the user in the message header is still the one reused from the initial NS message. This is not logical and we cannot find any place in the documentation where this is defined. The central system has been working as described above since the beginning.

We think the User for the CSMessages must be the Central System, as it is the one who is sending the message.

Action(s) To Be Taken:

=====

Clarify in the ICD that the User in the CSxxx messages is always the Central System.

Action(s) Taken:

=====

Updated section 5.2.4.2 XML Message Header by adding the following note:

<<

Note: In the case of messages emitted by the Central System, the User is always the Central System.

>>

SIC-1566 SISII-ICD_CodeTables.xls ST204_ERRORCODE code 6211 has incorrect FK values for severity and type

Attributes

Attribute	Value
Artifact Type	Software Requirements
Priority	Average
Comments	The existing CS.SIS nomenclature in SINS, which have such values, will be updated accordingly and provided to the authorities.
Analyst	Caesar Ivana
Identifier	416
Request status	ACCEPTED

Artifact Content

Description:

=====

In the CodeTables Document, the definition of error code 6211 (No records returned during the Data Dump Campaign.) indicates a severity of 0001.02 and a type of 0004.02, none of these values existing in the specified tables.

I suspect that the values must be 0001.01 and 0004.01 which exist.

Action to follow:

=====

The severity and type of record 6211 must be changed in the ST204_ERRORCODE table by replacing "xxxx.02" with "xxxx.01"

Action followed:

=====

In the SISII-ICD_CodeTables.xls document regarding the ST204_ERRORCODE worksheet, the

following records have been modified:

6211 / 01 / No record returned during the Data Dump Campaign. / 20060102 // 0004.01 / 0001.01

Description:

=====

In the Document CodeTables, the defined error code 6211 (No records returned during the Data Dump Campaign.) points to a severity of 0001.02 and a type of 0004.02, neither of these values exist in the joined tables.

I suspect the values should be 0001.01 and 0004.01 which do exist.

Action(s) To Be Taken:

=====

The severity and the type of the entry 6211 must be updated in the table ST204_ERRORCODE by replacing "xxxx.02" into "xxxx.01"

Action(s) Taken:

=====

In the document SISII-ICD_CodeTables.xls concerning the worksheet ST204_ERRORCODE, the following entries have been updated:

6211 / 01 / No records returned during the Data Dump Campaign. / 20060102 // 0004.01 / 0001.01