



**COUNCIL OF
THE EUROPEAN UNION**

Brussels, 15 April 2011

8916/11

LIMITE

**SIRIS 25
COMIX 227**

**DOCUMENT PARTIALLY
ACCESSIBLE TO THE PUBLIC**

NOTE

from: Polish delegation
to: Working Party for Schengen Matters (SIS/SIRENE) / Mixed Committee
(EU/Iceland/Norway and Switzerland/Liechtenstein)
Subject: Data cleansing

Introduction

Under the Polish Presidency of the Council of the EU, the Polish SIRENE Bureau (General Headquarters of Police) plans to implement the priority of "SIS as a platform for interinstitutional cooperation: improving data quality".

The issue is vital in the context of the migration of data from SIS1+ to SIS II scheduled to take place during the last three months of 2012 and January 2013, as well as in the context of work on ensuring the consistency of data in the two systems. Preparations to improve data quality in the context of migration to SIS II are now systematically conducted by C.SIS, which regularly sends Member States reports on records that are "incorrect" in terms of the requirements for SIS II alerts. The reports are based on 8247/10 SIS-TECH 47 COMIX 271 - "Data mapping and cleansing" - specification version 1.6.

At this point we would like to recall that the whole action strategy for the operational implement of SIS II was divided into two blocks: "**pre-migration**" - action needing to be taken in preparation for migration - and "**migration**" - the actual process of migration. Each block consists of successive phases, which constitute milestones in the Migration Plan and are described in detail therein.

At the moment it is the first block preparing for migration (pre-migration) that is of the greatest importance to all SIS Member States and SIS users.

Four phases have been identified under the pre-migration block:

- I. mapping and cleansing rules definition
- II. design and implementation
- III. data cleansing
- IV. migration testing and rehearsals.

In our view the following phases are key to a successful and problem-free migration:

- Phase 1 - definition of the clearest possible rules enabling the comparison and mapping of SIS1+ and SIS II alerts. These rules will be used to determine the data cleansing criteria, indicating what should be cleansed and how. They will be applied in the C.SIS reports indicating to Member States those records which require corrections.

It should also be highlighted that this phase has been divided into two levels of implementation:

- ✓ Level 1 - **mandatory** before migration - adapting current alerts to comply with SIS1+ dictionary - only alerts in compliance with SIS1+ dictionary will be migrated via the converter to SIS II.
- ✓ Level 2 - **optional**, for implementation during the three-year transitional period - raising the quality of SIS1+ data to that of the SIS II data model.
- Phase 3 - based on the rules defined in phase 1 and consisting of the actual data cleansing. This process draws upon the C.SIS reports containing a list of the alerts needing to be cleansed. It should also be emphasised that the process is very complex, and, in view of the quantity of data needing to be cleansed, it is difficult and time-consuming.

Since only correct alerts which are compliant with SIS1+ dictionary will be migrated, it is in the interest of Member States to perform that task properly and as quickly as possible, and it is also essential to begin as soon as possible given the large quantity of data needing to be cleansed.

The primary objective of our priority is that Member States be as prepared as possible for the process of migration from SIS1+ to SIS II, concentrating on improving data quality in terms of SIS II requirements. We wish to step up action at Member State and EU level on amending (supplementing and correcting) current SIS1+ records which do not comply with SIS II criteria for correctness. During the Polish Presidency we wish to achieve the final result of fewer alerts, so called "warnings", being covered by the three-year transitional period and fewer records needing to be cleansed by Member States prior to the data migration. This will be directly reflected in the quality, effectiveness and reliability of the data contained in SIS II.

In light of the above, we would be very grateful if you would answer the questions contained in the questionnaire and send your replies to sis.sirene@consilium.europa.eu and **DELETED** by **6 May 2011**.

We thank you sincerely for your commitment and any assistance in implementing our priority.

*A questionnaire for Member States on the "cleansing" of SIS 1+ data
before migration to SIS II*

.....

(Member State)

1. On the basis of the document "SIS data mapping and cleansing" SIS 8247/10 - TECH 47 COMIX 271 - specification version 1.6 (06.04.2010) and a weekly report regarding the C-SIS migration specific to the Member State and the day indicated (...) 2011, (e.g. I_20101108_DMC for Italy, 7_20101108_DMC for Poland, etc.), please complete the table in Annex 1.

2. Have you (as a MS) already taken any measures to verify and correct data, in accordance with the information contained in the C - SIS reports (* _DMC), before migration from SIS 1+ to SIS II?
 YES
 NO

3. If **YES**, please answer the following questions:
 - a) Have you already adopted procedures on repair measures? If YES, please give a brief description of the procedures.
 YES
 NO

 - b) What percentage of data contained in the SIS1+ database has already been verified?
 - c) What percentage of data contained in the SIS1+ database has already been corrected?

4. Have you already adopted any procedures that allow new alerts recently entered in SIS 1+ to meet the criteria for correctness with a view to migration to SIS II? If YES, please give a brief description of the procedures.
 YES
 NO

5. Are the SIS 1+ alerts verified regularly on the basis of the weekly data quality reports received from C-SIS (Data quality report)?
- YES
- NO
6. If **YES**, please give the actual number of incorrect alerts, divided into categories, out of the total number of alerts indicated in the Data quality report.
7. Have you adopted any other data quality procedures? If **YES**, please give a brief description of these procedures.
- YES
- NO
8. Which authority is responsible for the national module of the Schengen Information System pursuant to Art. 108 CISA? Please provide the following information:
- a) its place in the structure of public administration;
 - b) authorisation to control the quality of data entered in the SIS 1+ database;
 - c) authorisation to delete or correct data stored in the SIS 1+ database.

	Warning identifier			Warning description	Number of records in SIS	Data planned to be improved before migration to SIS II (%)	Data planned to be granted amnesty (%)	Comments
	Chapter number	Entry category	Field name /number					
1.	7	ID	Family name - 14	Check if the field contains a character which is not in compliance with the transliteration table				
2.		VE	Registration number - 17	Check if the field contains a character which is not in compliance with the transliteration table				
3.		WP	Family name - 14	Check if the field contains a character which is not in compliance with the transliteration table				
4.	11	BK	Face value - 15	Check if the field is empty or contains the value «UNKNOWN»				
5.		FA	Make - 13	Check if the field is empty or contains the value «UNKNOWN»				
6.		ID	Date of theft/loss - 17	Check if the field is empty or contains the value «UNKNOWN»				
7.		VD	Date of theft/loss - 17	Check if the field is empty or contains the value «UNKNOWN»				
8.		VE	Make - 14	Check if the field is empty or contains the value «UNKNOWN»				
9.		LP	Registration number - 17	Check if the field is empty or contains the value «UNKNOWN»				
10.		LP	Registration nationality - 18	Check if the field is empty or contains the value «UNKNOWN»				
11.		WP	Sex - 15	Check if the field is empty or contains the value «UNKNOWN»				
12.	12	WP		Check if alert is an alias without a main one				
13.	13	WP		Check if a main alert has an alias under identity category 3 (Misused identities)				
14.	15	WP		Check if a main alert is marked as a misused identity (category of identity 3)				

	Warning identifier			Warning description	Number of records in SIS	Data planned to be improved before migration to SIS II (%)	Data planned to be granted amnesty (%)	Comments
	Chapter number	Entry category	Field name /number					
15.	16	ALL		Check if an alert has expired – logical deletion				
16.	17	DB	Lower and upper bound – 13-14	Check if an alert has a lower bound different from its upper one				
17.		BK	Lower and upper bound – 13-14	Check if an alert has a lower bound different from its upper one				
18.	19	WP	Flag - 11	Check if an alert has a flag without any alternative action to be taken				
19.	21	LP	Flag	Check if a licence plate alert has a flag				
20.	27	FA	Make - 13	Check if the make of a weapon is not included in the SIS II reference table				
21.	28	LP	Licence plate number, alert purpose, category – 9, 17	Check the consistency between the information contained in licence plate records				
Total								