

Monitoring, Statistics and Logging services	
Summary	
ID	CR05
Initiative	ECRIS
Short description	Logging systems and procedures in context of monitoring the functioning of ECRIS and for establishing collection of non-personal data for the purpose of statistics production.
Owner	DG Justice
Contact	JUST-CRIMINAL-RECORD@ec.europa.eu
Type	Tool
Sub-Type	Component
Context	Cross-border, Cross-sector
Base Registry type	Business (criminal records)
Operating model	Monitoring process is carried out through continuous evaluation and correlation of the non-personal statistical data produced by the logging systems and procedures, throughout all message exchanges performed via ECRIS.
IPR	Not Available/Not Found
Status	Operational
More details	
Aggregated business need	ABN – 4 Need for monitoring the data exchange (statistics)
Functionalities	<p>Monitoring: aims at detecting, analysing and evaluating the events occurring in the transmission of information on criminal records between the 28 central authorities through the ECRIS software. The ECRIS monitoring is twofold:</p> <ul style="list-style-type: none"> - <u>Periodical monitoring</u>: monthly, yearly, etc. It allows the measuring of the quality of the services provided by ECRIS (i.e. its performance) as well as the level of legal compliance, meaning the verification of the extent to which the system is operated in compliance with the legal instruments. - <u>Immediate monitoring</u>: events that emerge during the logging activity require an immediate reaction. It allows to rapidly solve situations that are blocking, such as transmission problems, issues on the specific content of a message that hinders its processing, security breaches, etc. <p>The monitoring process focuses towards reaching the following main objectives: Effectiveness, Performance and Compliance.</p> <p>Statistics: represent the end result/output of the logging process, and provide an accurate and exhaustive set of objective indicators reflecting the effectiveness, performance and legal compliance of the message exchanges supported by ECRIS. ECRIS statistics are produced with a monthly and yearly frequency. The statistics are based on raw data collected through the logging of various events that occur during the ECRIS information exchanges. This raw data obviously needs to be consolidated before any objective conclusions can be drawn. This consolidation consists in grouping all single elements recorded during the monitored period of time and to verify the completeness and correctness</p>

	<p>of the resulting statistic. This consolidation takes place at two different levels:</p> <ul style="list-style-type: none"> - 1st level: performed at a national level by each central authority, based on the raw data extracted by the logging systems. - 2nd level: performed at the European level by the aforementioned central entity, based on the individual statistical data that has been collected in each Member State. At this level all the national statistics are centralised in order to offer a general overview of all the elements pertaining to the ECRIS exchanges. At the same time various comparisons between figures provided by pairs of communicating Member States may be generated in order to evaluate the effectiveness and efficiency of ECRIS and highlight the spotted discrepancies (if any). <p>Logging: records accurate and objective factual information so as to provide the statistics. Logging in this context is not related to the implementation of logging, but merely on the action of collecting information with the aim of later processing it for producing the statistics.</p> <ul style="list-style-type: none"> - <u>Rules</u>: For the monthly monitoring frequency, the logging period consists of the elapsed time between time 00:00:00 of the 1st calendar day until time 23:59:59 of the last calendar day of the evaluation month, measured in the local time of every Member State. For the yearly frequency, the same logging period is applied for each month, starting at beginning of January and ending at the end of December, thus covering all the months of the evaluated year. - <u>Exchange format</u>: to facilitate the processing of the information collected and exchanged, a specific XML format is defined for the statistics.
<p>Design - Architecture</p>	<p>In terms of Design, the following stakeholders are involved in the Monitoring, Logging and Statistics procedures:</p> <p>For the 28 EU Member States:</p> <ul style="list-style-type: none"> - The Member State delegations which are gathering in the Working Party on Cooperation in Criminal Matters (referred to as "COPEN Working Party"). This group is responsible for the adoption of decisions such: <ul style="list-style-type: none"> o the implementation of appropriate corrective actions required to handle problematic situations identified during the monitoring activity, and ensuring that these decisions are materialised in the right set of tools and actions; o the evolution of the monitoring, statistics and logging procedures and outputs; - The central authority of every Member State ensuring the implementation of the ECRIS software and its daily operation. It has the responsibility to perform the following: <ul style="list-style-type: none"> o ensuring the correct implementation of the logging procedures and collecting the non-personal statistical data during the ECRIS information exchanges; o performing the first consolidation of the data collected at national level; o providing the consolidated statistics to the central entity;

	<ul style="list-style-type: none"> ○ ensure the immediate monitoring of the national ECRIS implementation; - The designated legal and technical experts which gather regularly in judicial and technical workgroups, as described in the “Inception Report” document. The two workgroups act as separate bodies, each concentrating on a specific coverage such as: - The technical workgroup addresses the technical and functional issues (e.g. connectivity, versioning, logging systems, statistics and monitoring processes from a technical perspective, etc.). - The judicial workgroup discusses the legal matters (e.g. content of exchanged ECRIS messages, content of non-binding manual for practitioners, statistics and monitoring processes from a legal perspective, etc.). <p>A central entity having an executive and organisational purpose, handling all horizontal tasks relating to maintenance, evolution and dissemination of information. This entity provides effective coordination and the organisational support required, and its main activities are:</p> <ul style="list-style-type: none"> - grouping, consolidating and analysing the non-personal statistical data gathered by each of the 28 Member States; - distributing the consolidated set of non-personal statistical data and related reports to all Member States; - acting as the central helpdesk, providing to all the users of ECRIS a central point of contact, endowing first level support and gathering any common and/or special technical, business and functional events and/or problems identified during the monitoring of ECRIS; - organising and coordinating the judicial and technical workgroups.
Technologies	Not Available/Not Found
Specifications	XML
Management	Not Available/Not Found
Governance	<p>ECRIS’s governance model applies to all ECRIS’s solutions. The chart below represents the organisational model:</p> <pre> graph TD CWP[Council Working Party COPEN Cooperation in Criminal Matter] --> ECEG[European Commission ECRIS Expert Group] ECEG --> ECEJEG[European Commission ECRIS Judicial Expert Group] ECEG --> ECETEG[European Commission ECRIS Technical Expert Group] ECEJEG --> DGJPC[DG JUSTICE Project Steering Committee*] ECETEG --> DGJPC DGJPC --> DGJPCMB[DG JUSTICE Project Change Management Board] DGJPC --> DGJPTAB[DG JUSTICE Project Test Advisory Board] </pre>
Sustainability	Not Available/Not Found
Documentation	Click Here
ADMS	Not Available/Not Found
Current Users	26 Member Sates

