

ECRIS IS (ECRIS Reference Implementation)	
Summary	
<b>ID</b>	CR07
<b>Initiative</b>	ECRIS
<b>Short description</b>	Provides the exhaustive list of functional, technical and security requirements for the ECRIS RI software.
<b>Owner</b>	DG Justice
<b>Contact</b>	JUST-CRIMINAL-RECORD@ec.europa.eu
<b>Type</b>	Tool
<b>Sub-Type</b>	Platform
<b>Context</b>	Cross-border, Cross-sector
<b>Base Registry type</b>	Business( criminal records)
<b>Operating model</b>	ECRIS RI serves as a guide, which contains all necessary information of the functional and technical requirements identified for the ECRIS RI software.
<b>IPR</b>	Not Available/Not Found
<b>Status</b>	Operational
More details	
<b>Aggregated business need</b>	ABN – 8 Need for a technology solution enabling the data exchange
<b>Functionalities</b>	<p>The ECRIS Reference Implementation (RI) describes the requirements related to the following topics:</p> <ul style="list-style-type: none"> <li>- Functionality <ul style="list-style-type: none"> <li>o Base Requirements</li> <li>o Organising Work: Folders, Rules and Access Rights</li> <li>o Storage, Archiving and Deletion</li> <li>o Message Authoring</li> <li>o Reference Tables</li> <li>o Fingerprints</li> <li>o Languages</li> <li>o Search Function</li> <li>o Statistics</li> <li>o Printing</li> </ul> </li> <li>- Usability <ul style="list-style-type: none"> <li>o GUI Accessibility</li> <li>o Ease of Navigation</li> <li>o Ease of Use</li> <li>o Aesthetics</li> <li>o Ergonomics</li> <li>o Content</li> </ul> </li> <li>- Reliability <ul style="list-style-type: none"> <li>o Availability</li> <li>o Robustness</li> <li>o Accuracy</li> </ul> </li> <li>- Performance <ul style="list-style-type: none"> <li>o Throughput</li> <li>o Response Time</li> <li>o Start-up/Shutdown Time</li> <li>o Capacity</li> <li>o Utilisation of Resources</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Supportability <ul style="list-style-type: none"> <li>o Testability</li> <li>o Adaptability</li> <li>o Maintainability</li> <li>o Compatibility</li> <li>o Configurability</li> <li>o Upgradability</li> <li>o Scalability</li> <li>o Compliance</li> <li>o Auditability</li> <li>o Localizability</li> </ul> </li> <li>- Security <ul style="list-style-type: none"> <li>o Scope</li> <li>o Mapping of Features to Requirements</li> <li>o Application Security</li> <li>o Security of data</li> <li>o Form Validation</li> </ul> </li> <li>- Data protection</li> <li>- Design constraints <ul style="list-style-type: none"> <li>o Architecture</li> <li>o Browser compatibility</li> <li>o Deployment</li> </ul> </li> <li>- Documentation <ul style="list-style-type: none"> <li>o User Manuals</li> <li>o Online Help</li> <li>o Installation Guides, Configuration, and Read Me File</li> <li>o Labelling and Packaging</li> <li>o Security</li> </ul> </li> </ul> <p>The document further describes requirements that have been identified already for future versions of the ECRIS RI software.</p>
<b>Design - Architecture</b>	Not Available/Not Found
<b>Technologies</b>	Not Available/Not Found
<b>Specifications</b>	RUP@EC methodology
<b>Management</b>	<p>Management aspects such Deployment, Installation and Configuration, etc. are included in the ECRIS RI itself. Including:</p> <ul style="list-style-type: none"> <li>- Minimum hardware configuration for deploying the ECRIS RI back-end.</li> <li>- Minimum hardware configuration for running the ECRIS RI GUI.</li> <li>- Supported operating systems.</li> <li>- Supported application servers.</li> <li>- Supported database servers.</li> <li>- Deployment files.</li> <li>- Deployment bundles.</li> <li>- Installation Guide.</li> <li>- Database Scripts.</li> </ul>
<b>Governance</b>	ECRIS's governance model applies to all ECRIS's solutions. The chart below represents the organisational model:

	<pre> graph TD     COPEN[Council Working Party COPEN Cooperation in Criminal Matter] --&gt; ECRIS_EG[European Commission ECRIS Expert Group]     ECRIS_EG --&gt; ECRIS_JEG[European Commission ECRIS Judicial Expert Group]     ECRIS_EG --&gt; ECRIS_TEG[European Commission ECRIS Technical Expert Group]     ECRIS_JEG --&gt; DG_JUSTICE_PSC[DG JUSTICE Project Steering Committee*]     ECRIS_TEG --&gt; DG_JUSTICE_PSC     DG_JUSTICE_PSC --&gt; DG_JUSTICE_PCB[DG JUSTICE Project Change Management Board]     DG_JUSTICE_PSC --&gt; DG_JUSTICE_PTAB[DG JUSTICE Project Test Advisory Board] </pre>
<b>Sustainability</b>	Not Available/Not Found
<b>Documentation</b>	ECRIS RI-D02.01-Supplementary Specifications Document-v1.3
<b>ADMS</b>	Not Available/Not Found
<b>Current Users</b>	26 Member Sates
<b>EIRA</b>	
<b>View</b>	Technical view - Application
<b>Building Block</b>	Specification Operational procedure Configuration management
<b>Reusability</b>	
<b>Landscape</b>	

## Criteria



IPR and licenses



Legal



Suitability of documentation



Maturity



Extensibility



Scalability



Designed for re-use



Planned re-use or extension to other domains



Maintenance and support



Use of standards



Actual Reuse



Language and location suitability



Granularity



Impacts



Testability

