NIFO Factsheet – Slovakia

The main online sources for Slovak interoperability-related activities can be found under the following addresses:

- Standards for Public Administration Information Systems: http://www.informatiza-cia.sk/standardy-is-vs/596s
- The eGovernment Strategy of the Slovak Republic within which interoperability is seen as an important prerequisite: http://www.informatizacia.sk/the-egovernment-strategy-of-the-slovak-republic/4666s
- The National Concept of eGovernment: http://www.informatizacia.sk/the-national-con-cept-of-egovernment/5905s
- The National Strategy for Information Security: http://www.enisa.europa.eu/activi-ties/Resilience-and-CIIP/national-cyber-security-strategies-ncsss/Slovakia_Na-tional_Strategy_for_ISEC.pdf
- Web portal: www.informatizacia.sk

Main interoperability highlights

Slovakia has not yet developed a NIF. The main activities of Slovakia concerning interoperability include the work on standards for Public Administration Information Systems[1], the eGovernment Strategy of the Slovak Republic within which interoperability is seen as an important prerequisite[2] and the National Concept of eGovernment.

Recently, on 16 April 2014, the Integrated Infrastructure Operational Programme was approved by the Slovak Government. Measures for the development of the Information Society are included in the Priority Axis 7 of the Programme. The main purpose of the activities of Priority axis 7 is to develop further digital services and to implement a broadband infrastructure in the Slovak Republic in the programming period 2014-2020[3]. The last objective builds on the activities implemented under the project of the Operational Programme Information Society for the programming period 2007 - 2013. The main priorities of the Ministry of Finance for the development of the Information Society include, among other things, developing electronic services for citizens and businesses, implementing innovative approaches such as mobile government and open data, cross-border interoperability[4].

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[1] See: http://www.informatizacia.sk/standardy-is-vs/596s

[2] See: http://www.informatizacia.sk/the-egovernment-strategy-of-the-slovak-republic/4666S

[3] See: http://www.informatizacia.sk/po-2014-2020/15542s

[4] For more information, please see http://www.epractice.eu/en/news/5423475

No NIF 'per se' has been developed yet for Slovakia; however, a number of interoperability initiatives and policies exist in a series of separate documents.

The **National Concept of eGovernment**[5] lays down the architecture of integrated information systems in public administration and specifies the standards for their building, with the aim of ensuring their interoperability and their independence from technology platforms.

The **Standards for Public Administration Information Systems**[6] are available on the website of the Ministry of Finance; they are continuously updated and by a decree enforced on the public administrations.

Edict No. 55/2014 on Standards of Information Systems of Public Administration came into force on 15 March 2014. This decree lays down specific standards for information public administration systems: technical standards related to technical equipment, network infrastructure and software resources; standards of accessibility and functionality of websites relating to the application software by law; standard terminology for electronic services, related to the network infrastructure, and standards for electronic government services, related to data registers, code and application Software.

Decree No. 478/2010 on basic code list of public administration sections and public administration agendas came into force on 1 January 2011. This basic register is managed in the Central Metainformation System of Public Administration (MetaIS).

The **Concept of Software Products Usage for Public Administration**[7] defines a framework strategy for the procurement, placement and operation of software products in the Slovak public administration environment in line with the eGovernment development objectives. It refers to open standards and interoperability.

The **eGovernment Strategy**[8] sets out the strategic objectives of eGovernment implementation and defines particular steps towards the modernisation of public administration and digitisation of its services.

The new Integrated Infrastructure Operational Programme that aims to significantly contribute to the development of information society in Slovakia builds on the Strategy Paper for the growing area of digital services and Infrastructure of next generation networks[9]. Development of the information society will be implemented by Priority Axis 7 Information Society, consisting of three investment priorities and specific objectives 9.[10]

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[5] See: http://www.informatizacia.sk/the-national-concept-of-egovernment/5905s

[6] See: http://www.informatizacia.sk/standards-for-is-pa/4632s

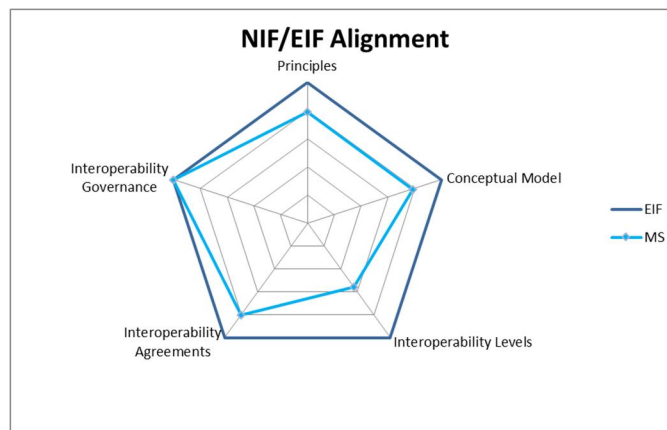[7] See: http://www.informatizacia.sk/ext_dok-concept-of-sw-usage-for-pa/9508c

[8] See: http://www.informatizacia.sk/the-egovernment-strategy-of-the-slovak-republic/4666s

[9] See: http://www.informatizacia.sk/strategicky-dokument/16604s

[10] See: http://www.informatizacia.sk/aktuality-vlada-sr-schvalila-operacny-program-integrovana-infrastruktura/17364c

Alignment NIF/EIF

The interoperability initiatives and policies/ regulations are aligned with the EIF on all dimensions.

All of the principles of the EIF are covered, with a full alignment for seven of them: User-centricity, Inclusion and accessibility, Administrative simplification, Openness, Reusability, Technological neutrality and adaptability, Effectiveness and efficiency.

The conceptual model for information systems for public administrations is focused on a service-oriented approach. It is fully aligned on four and partially aligned on three of the seven recommendations of the EIF for the conceptual model.

All interoperability levels as defined by the EIF are at least partially covered except the one related to the clarification of organisational relationships.

For the interoperability agreements, Slovakia encourages public administrations to use open specifications and uses a structured, transparent and objective approach to assess and select formalised specifications. Alignment exists for all the interoperability agreements except for the one related to the use of existing formalised specifications.

Interoperability activities are governed[11] by Ministry of Finance of the Slovak Republic, mainly through standards and Concepts on Information Systems Development. Any public body wishing to establish further standards in its sector touching information systems of public administration has to have ministry's approval. The Committee for Standards[12] of Information Systems of Public Administration was established within Ministry of Finance and includes working groups on both thematic and cross-sectoral topics, including semantic aspects like terminology or codelists.

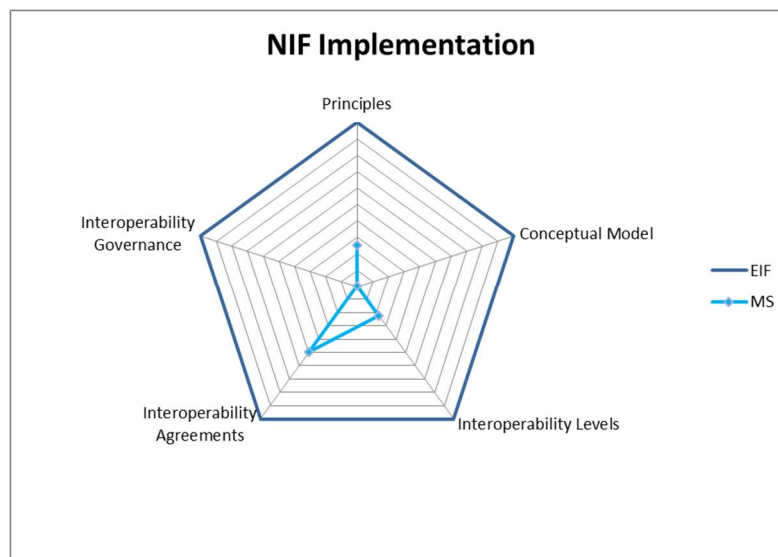[11] The competence is given through Act No. 275/2006 on Information Systems of Public Administration (http://www.informatizacia.sk/legislativa-sr/684s)

[12] See: http://www.informatizacia.sk/committee-for-standardization-of-is-pa/4671s

Implementation of NIF

Examples of implementation of the NIF have been identified for the principles, interoperability agreements levels and interoperability agreements dimensions.

Four out of the twelve principles have examples of implementation. User centricity is implemented through the Central Government Portal[13] which aims to be a single access point to services for the public and public authorities. Administrative simplification is implemented with the exchange of data between administrations through the base registries. Openness is implemented through the open data portal[14] and a reusability example is provided with the use of open source software.

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[13] www.slovensko.sk

[14] http://data.gov.sk/

The semantic interoperability level is supported by the working groups on thematic and cross-sectoral topics of the Committee for Standards of Information Systems of Public Administration within Ministry of Finance, whereas technical interoperability is supported by the publication of standards in a decree on Standards of Information Systems of Public Administration laying down specific standards for public administration information systems.

In the interoperability agreements domain, the approach for assessing and selecting technical specifications is based on the ISA CAMSS.

Other initiatives on interoperability

The **Slovak national strategy for information security**[15] aims at providing a framework for information security in the Slovak Republic.

Act No. 122/2013 on Personal Data Protection[16] implements the principles set in the EU's Data Protection Directive (95/46/EC). Under this Act, individuals can access and correct personal information held by public and private bodies.

Act No. 305/2013 on e-Signatures[17] sets-up mandatory conditions for public administrations' interaction in e-environments. It regulates relations arising in connection by the creation and use of electronic signature and electronic seal, the rights and obligations of person and legal persons when using electronic signature and electronic seal, reliability and protection of electronic documents signed by electronic signature or provided by electronic seal.

Data.gov.sk (http://data.gov.sk/) is the Slovakian open data portal that provides access to national datasets. The portal gives access to some 200 datasets (http://data.gov.sk/dataset), which are also accessible via ODIP (http://data.opendatasupport.eu), the pan-European single point of access to European datasets.

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[15]See: http://www.enisa.europa.eu/activities/Resilience-and-CIIP/national-cyber-security-strategies-ncsss/Slovakia_National_Strategy_for_ISEC.pdf

[16] See: http://www.dataprotection.gov.sk/uoou/sites/default/files/kcfinder/files/Act_122-2013_84-2014_en.pdf

[17] See: http://www.informatizacia.sk/ext_dok-zakon_305-2013_o_e-governmente/16171c