



NATIONAL INTEROPERABILITY FRAMEWORK OBSERVATORY

Analytical Model *IRELAND*

The content of this Analytical Model reflects the status as collected in 2016.

DIGIT

Directorate-General for Informatics

ISA² Programme

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EUROPEAN COMMISSION

Directorate-General for Informatics

Directorate B — Interoperability Solutions for public administrations, businesses and citizens

Unit B6 — ISA² Programme

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Analysis of the NIFs

[See Alignment Examples in NIFO toolbox](#)

[See implementation and monitoring examples in NIFO Toolbox](#)

EIF Element - Reference - Category	Measurement	NIF-EIF Alignment		NIF implementation			NIF monitoring	
		NIF element present - Reference - (Text in English)	NIF-EIF alignment scoring 2: fully 1: partially 0: not aligned	Large scale implementation <i>[describe if and how implementation of the element is a common practice]</i>	Only implementation examples <i>[describe an implementation example specific to each element]</i>	Implementation scoring 2: Common practice 1: some examples 0: not observed	NIF monitoring	Monitoring scoring 2: Monitored 1: Partially monitored 0: not observed
Subsidiarity and proportionality EIF, Chapter 2, Underlying principles Category: Principles <i>See reference: the European Interoperability Framework v2. See definitions listed in the ISA EIF brochure</i>	Does the NIF contain the 'subsidiarity and proportionality' principle?		0	<i>[describe here]</i>	<i>[describe project here]</i>	0	<i>[describe monitoring procedure here]</i>	0
User-centricity EIF, Chapter 2, Underlying principles Category: Principles	Does the NIF contain the 'user-centricity' principle?		0	<i>[describe here]</i>	<i>[describe project here]</i>	0	<i>[describe monitoring procedure here]</i>	0
Inclusion and accessibility EIF, Chapter 2, Underlying principles Recommendation 2 Category: Principles	Does the NIF contain the 'inclusion and accessibility' principle?		0	<i>[describe here]</i>	<i>[describe project here]</i>	0	<i>[describe monitoring procedure here]</i>	0
Security and privacy EIF, Chapter 2, Underlying principles Recommendation 3 Category: Principles	Does the NIF contain the 'Security and privacy' principle?	Ireland has developed a standard for establishing and authenticating an individual's identity for the purposes of access to public services. This standard, known as Standard Authentication Framework Environment or SAFE for short, involves a robust face-to-face registration process, validation of documentary evidence, facial image capture and matching, and signature capture. A Public Services Card (PSC) is issued on foot of this registration process. This authenticated identity data can be made available to other public service providers thus negating the need for the repeated capture and validation of identity data in respect of the same individual. The Government also approved the use of the PSC for all existing card-based schemes where possible or to ensure compliance with the SAFE standard where use of the PSC wasn't possible. The Government further decided in 2013 to reconstitute the Steering Committee over the SAFE Programme with a remit to ensure the use of the PSC for all appropriate Government services.	1	<i>[describe here]</i>	A SAFE-based online Identity Authentication solution to facilitate the provision of end-to-end and high-value transaction services digitally, MyGovID, was implemented in February 2016, by the Department of Social Protection (DSP). Access is available to DSP services initially but the MyGovID service is being made available for use by all Government Departments and agencies. Over time the number of Government service providers offering services using MyGovID will increase. In this way, all agencies will have shared access to and use of identity information to make it easier for customers to use the full range of Government services.	1	<i>[describe monitoring procedure here]</i>	0
Multilingualism EIF, Chapter 2, Underlying principles Recommendation 4 Category: Principles	Does the NIF contain the 'Multilingualism' principle?		0	<i>[describe here]</i>	<i>[describe project here]</i>	0	<i>[describe monitoring procedure here]</i>	0
Administrative simplification EIF, Chapter 2, Underlying principles Category: Principles	Does the NIF contain the 'Administrative simplification' principle?		0	<i>[describe here]</i>	<i>[describe project here]</i>	0	<i>[describe monitoring procedure here]</i>	0
Transparency EIF, Chapter 2, Underlying principles Category: Principles	Does the NIF contain the 'Transparency' principle?	In line with statutory obligations and Data Protection guidelines, data sharing and innovative use of data across all Public Bodies is increased. This enable the delivery of integrated services, improved decision making and improved openness and transparency between Government and the public.	1	<i>[describe here]</i>	<i>[describe project here]</i>	0	<i>[describe monitoring procedure here]</i>	0
Preservation of information EIF, Chapter 2, Underlying principles, Recommendation 5 Category: Principles	Does the NIF contain the 'Preservation of information' principle?	The National Archives and the Department of Public Expenditure and Reform are progressing on a plan to implement coherent and comprehensive records management within the Public Service.	1	<i>[describe here]</i>	The National Archives and the Department of Public Expenditure and Reform are progressing on a plan to implement coherent and comprehensive records management within the Public Service.	0	<i>[describe monitoring procedure here]</i>	0
Openness EIF, Chapter 2, Underlying principles, Recommendation 6 Category: Principles	Does the NIF contain the 'Openness' principle?	The Open Data Initiative is a key part of public service reform activities in Ireland. It is closely aligned with the Public Service Reform Plan, the Public Service ICT Strategy, and the Civil Service Renewal Plan. Internationally, it is a core element of the EU-wide approach to the "Re-Use of Public Sector Information", which has been transposed by Ireland. It is also central to Ireland's participation in the Open Government Partnership (OGP).	2	<i>[describe here]</i>	A national portal, data.gov.ie, is in place and currently links to some 4,500 datasets from 90 publishers. It is intended to provide easy access to datasets that are free to use, reuse, and redistribute. The portal is operated by the Government Reform Unit of the Department of Public Expenditure and Reform.	1	<i>[describe monitoring procedure here]</i>	0
Reusability EIF, Chapter 2, Underlying principles, Recommendation 7 Category: Principles	Does the NIF contain the 'Reusability' principle?	The Open Data Initiative is a key part of public service reform activities in Ireland. It is closely aligned with the Public Service Reform Plan, the Public Service ICT Strategy, and the Civil Service Renewal Plan. Internationally, it is a core element of the EU-wide approach to the "Re-Use of Public Sector Information", which has been transposed by Ireland. It is also central to Ireland's participation in the Open Government Partnership (OGP).	2	<i>[describe here]</i>	A national portal, data.gov.ie, is in place and currently links to some 4,500 datasets from 90 publishers. It is intended to provide easy access to datasets that are free to use, reuse, and redistribute. The portal is operated by the Government Reform Unit of the Department of Public Expenditure and Reform.	1	<i>[describe monitoring procedure here]</i>	0
Technological neutrality and adaptability EIF, Chapter 2, Underlying principles, Recommendation 8 Category: Principles	Does the NIF contain the 'Technological neutrality and adaptability' principle?		0	<i>[describe here]</i>	<i>[describe project here]</i>	0	<i>[describe monitoring procedure here]</i>	0
Effectiveness and efficiency EIF, Chapter 2, Underlying principles Category: Principles	Does the NIF contain the 'Effectiveness and efficiency' principle?	The proposed National Data Infrastructure (NDI) will consist of a set of specifications, systems and infrastructures that will create and maintain a holistic data architecture for the Public Service in Ireland, improving its handling of data and giving significant benefits to the citizens and businesses it serves. Some of the benefits realised from the NDI can include: improved transparency and accountability in allowing individuals to understand what personal data is held on them and how it is used; improved efficiency in the elimination of redundant processes where the same data is collected multiple times; improved decision making and policy evaluation by providing for increased potential for statistical analysis and subsequent insight and intelligence; improved innovation with the ability to reuse data leading to new and improved ways of delivering services.	1	<i>[describe here]</i>	<i>[describe project here]</i>	0	<i>[describe monitoring procedure here]</i>	0

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EIF Element - Reference - Category	Measurement	NIF-EIF Alignment		NIF implementation			NIF monitoring	
		NIF element present - Reference - (Text in English)	NIF-EIF alignment scoring 2: fully 1: partially 0: not aligned	Large scale implementation [describe if and how implementation of the element is a common practice]	Only implementation examples [describe an implementation example specific to each element]	Implementation scoring 2: Common practice 1: some examples 0: not observed	NIF monitoring	Monitoring scoring 2: Monitored 1: Partially monitored 0: not observed
Conceptual model EIF, Chapter 3 Category: Conceptual model	Does the NIF contain a conceptual model?	Also in relation to the EIF conceptual model, the Bill will establish the legislative mechanism to establish base registers. The Minister may by order designate any database maintained by a public service body to be a base register and the base register shall be the definitive source in relation to that particular type or class of data. Public service bodies will be obliged to verify prescribed classes of data with reference to the base register, and will also be obliged to notify the operator of the base register of changes in information.	0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Public administrations should develop a component-based service model, allowing the establishment of (European) public services by reusing, as much as possible, existing service components. EIF, Recommendation 9 Category: Conceptual model	Is the conceptual model a component-based service model? (e.g. SOA)		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Public administrations should agree on a common scheme to interconnect loosely coupled service components and put in place the necessary infrastructure when establishing (European) public services. EIF, Recommendation 10 Category: Conceptual model	Does the NIF encourage the use of common schemes to interconnect loosely coupled service components?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Interconnection of service components. EIF, Recommendation 10 Category: Conceptual model	Does the NIF encourage to put in place the infrastructure to interconnect loosely coupled service components?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Public administrations should make their authentic sources of information available to others while implementing access and control mechanisms to ensure security and privacy in accordance with the relevant legislation. EIF, Recommendation 11 Category: Conceptual model	Does the NIF encourage to make the authentic sources of information available to others?	Data-sharing is currently carried out extensively across the public service under the existing legal framework, and indeed in important respects the current level of service delivery would not be possible without this sharing taking place in the background. However, it is clear that more can and should be done to streamline the flow of data between public bodies so as to support better service delivery. Under the existing legal framework data-sharing provisions are included in specific Acts, based on the requirements of a particular Department. The proposed Data Sharing and Governance Bill would not replace existing provisions, it would provide new transparency requirements for existing data-sharing, and a clear framework for future data-sharing. http://www.per.gov.ie/en/datasharing/	2	[describe here]	Data-sharing is currently carried out extensively across the public service under the existing legal framework, and indeed in important respects the current level of service delivery would not be possible without this sharing taking place in the background. However, it is clear that more can and should be done to streamline the flow of data between public bodies so as to support better service delivery. Under the existing legal framework data-sharing provisions are included in specific Acts, based on the requirements of a particular Department. The proposed Data Sharing and Governance Bill would not replace existing provisions, it would provide new transparency requirements for existing data-sharing, and a clear framework for future data-sharing.	1	[describe monitoring procedure here]	0
Access control EIF, Recommendation 11 Category: Conceptual model	Does the NIF encourage access and control mechanisms to ensure compliance to security and privacy legislation?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Public administrations, when working to establish (European) public services, should develop interfaces to authentic sources and align them at semantic and technical level. EIF, Recommendation 12 Category: Conceptual model	Does the NIF encourage the development of interfaces to authentic sources that are aligned at semantic and technical level?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Interoperability levels EIF, Chapter 4 Category: Interoperability levels	Does the NIF describe the four levels of interoperability?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Legal interoperability: Public administrations should carefully consider all relevant legislation relating to data exchange, including data protection legislation, when seeking to establish a European public service. EIF, Chapter 4 Recommendation 14 Category: Interoperability levels, legal artefacts	Does the NIF impose to consider all relevant legislation related to data exchange?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Organisational interoperability - business process alignment. Public administrations should document their business processes and agree on how these processes will interact to deliver a (European) public service. EIF, Chapter 4 Recommendation 15 Category: Interoperability levels, organisational artefacts	Does the NIF describe that the business processes are documented in an agreed way in order for other administrations to understand the overall business process?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0

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Inter-governmental coordination. EIF, Chapter 4 Recommendation 15 Category: Interoperability levels, organisational artefacts	Does the NIF encourage to agree on how these processes will interact among the different levels of public administrations?		à	[describe here]	Access is available to DSP services initially but the MyGovID service is being made available for use by all Government Departments and agencies. Over time the number of Government service providers offering services using MyGovID will increase. In this way, all agencies will have shared access to and use of identity information to make it easier for customers to use the full range of Government services.	1	[describe monitoring procedure here]	0
Organisational interoperability - organisational relationships. Public administrations should clarify their organisational relationships as part of the establishment of a (European) public service. EIF, Chapter 4 Recommendation 16 Category: Interoperability levels, organisational artefacts.	Does the NIF encourage public administrations to clarify their organisational relationships as part of the establishment of a (European) public service?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Organisational interoperability - change management. Public administrations working together to provide (European) public services should agree on change management processes to ensure continuous service delivery. EIF, Chapter 4 Recommendation 17 Category: Interoperability levels, organisational artefacts	Does the NIF encourage public administrations to agree on change management processes to ensure continuous service delivery?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Semantic interoperability. Public administrations, when working together to establish (European) public services, should use a common taxonomy of basic public services. EIF, Chapter 4 Recommendation 13 Category: Interoperability levels, semantic artefacts.	Does the NIF encourage the usage of a common taxonomy of basic public service?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Public administrations should support the establishment of sector specific and cross-sectoral communities that aim to facilitate semantic interoperability and should encourage the communities to share results on national and European platforms. EIF, Recommendation 18 Category: Interoperability levels, semantic artefacts	Does the NIF encourage public administrations to support the establishment of sector specific and cross sectoral communities that aim to facilitate semantic interoperability and that share results on national and European platforms?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Technical interoperability. Public administrations should agree on the formalised specifications to ensure technical interoperability when establishing European public services. EIF, Recommendation 19 Category: Interoperability levels, technical artefacts.	Does the NIF encourage public administrations to agree on the formalised specification to ensure technical interoperability when establishing European public services.		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Public administrations, when establishing (European) public services, should base interoperability agreements on existing formalised specifications, or, if they do not exist, cooperate with communities working in the same areas. EIF, Recommendation 20 Category: Interoperability agreements.	Does the NIF encourage: - Interoperability agreements to be based on existing formalised specifications? Or - if they do not exist, to cooperate with communities working in the same areas.		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Public administrations should use a structured, transparent and objective approach to assessing and selecting formalised specifications. EIF, Recommendation 21 Category: Interoperability agreements.	Does the NIF encourage Public administrations to use a structured, transparent and objective approach to assess and select formalised specifications?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
When establishing (European) public services, public administrations should prefer open specifications, taking due account of the coverage of functional needs, maturity and market support. EIF, Recommendation 22 Category: Interoperability agreements.	Does the NIF encourage public administrations to prefer open specifications, taking due account of the coverage of functional needs, maturity and market support?		0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0
Contribution to the standardisation process Public administrations should lead or actively participate in standardisation work relevant to their needs. EIF, Chapter 5, Recommendation 23 Category: Interoperability agreements.	Does the NIF encourage public administrations to lead or actively participate in standardisation work relevant to their needs?	Digitisation of key transactional services and the increased use of ICT to deliver improved efficiency within Public Bodies and to provide new digital services to citizens, businesses, and public servants is one of the key strategy for the at the Department of Public Expenditure and Reform, has 5 key strategic objectives setting the future direction for innovation and excellence in ICT within the Public Service. http://www.per.gov.ie/en/	0	[describe here]	[describe project here]	0	[describe monitoring procedure here]	0

Analysis of the NIFs

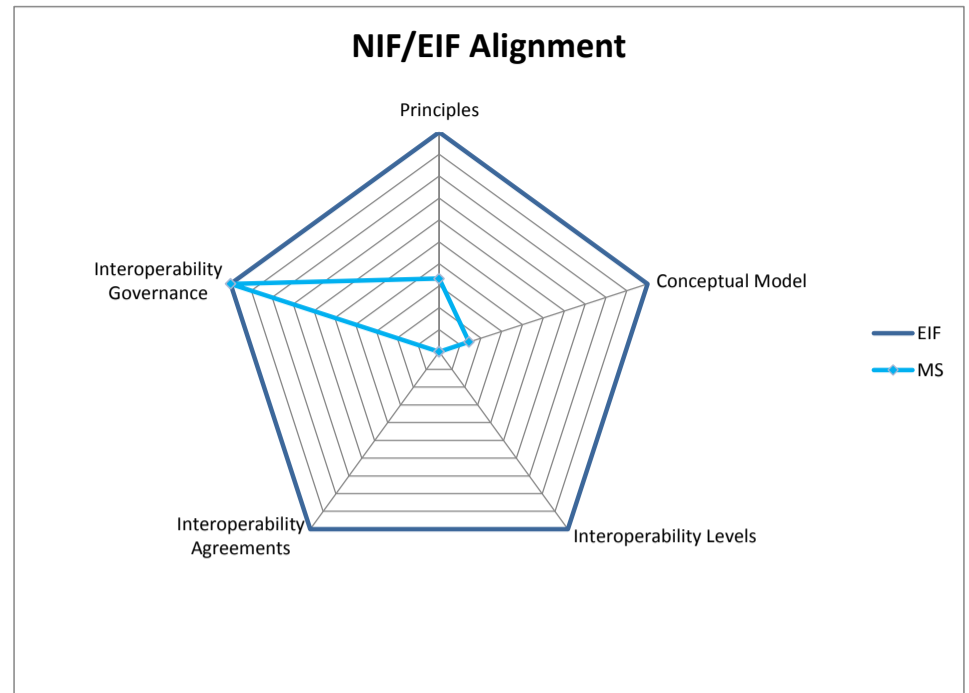
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Public administrations, when working together to establish (European) public services, should agree on minimum service requirements for secure data exchange. EIF, Recommendation 13 Category: Interoperability agreements.	Does the NIF encourage public administrations to agree on minimum service requirements for secure data exchange?		0	<i>[describe here]</i>	<i>[describe project here]</i>	0	<i>[describe monitoring procedure here]</i>	0
Governance Public administrations should establish a framework for the governance of their interoperability activities across administrative levels. EIF, Recommendation 25 Category: Interoperability Governance	A governance framework exists to control the interoperability activities across administrative levels.	The Public Service ICT Strategy ensures that the ICT strategy is aligned, directed, and monitored across Public Bodies to support the specific goals and objectives at a whole-of-government level and with an emphasis on shared commitment. See: http://ictstrategy.per.gov.ie/index.html	2	<i>[describe here]</i>	<i>[describe project here]</i>	0	<i>[describe monitoring procedure here, Precise if monitoring procedures include stimulating and/or corrective measures]</i>	0

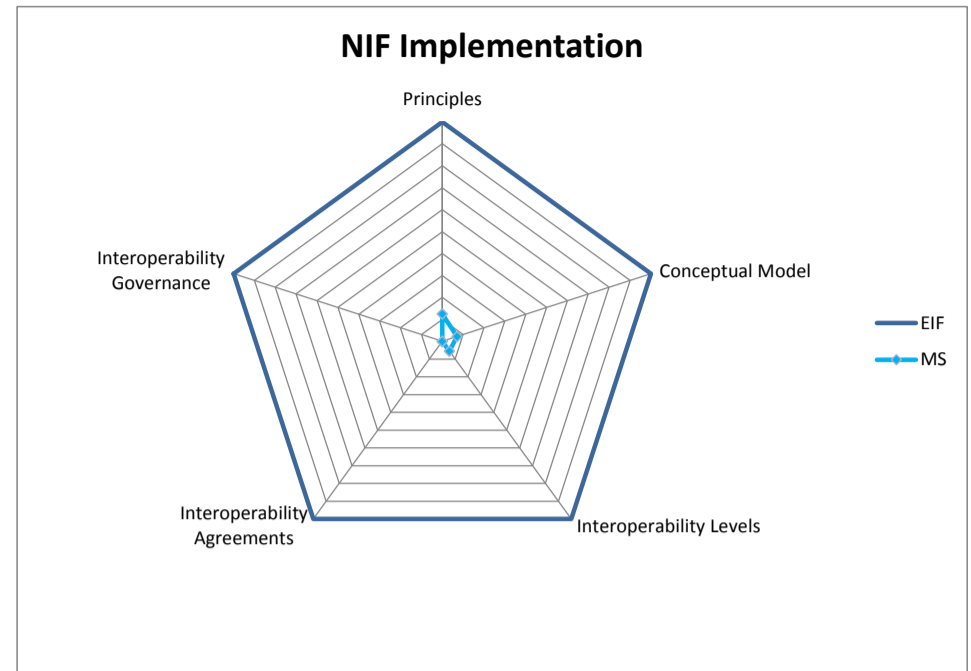
Category	EIF	MS
Principles	100%	33,3%
Conceptual Model	100%	14,3%
Interoperability Levels	100%	0,0%
Interoperability Agreements	100%	0,0%
Interoperability Governance	100%	100,0%

Category	EIF Element	Scoring	
		Max	MS
Principles	Subsidiarity and proportionality	2	0
	User-centricity	2	0
	Inclusion and accessibility	2	0
	Security and privacy	2	1
	Multilingualism	2	0
	Administrative simplification	2	0
	Transparency	2	1
	Preservation of information	2	1
	Openness	2	2
	Reusability	2	2
	Technological neutrality and adaptability	2	0
	Effectiveness and efficiency	2	1
	Total	24	8
	Conceptual Model	Does the NIF contain a conceptual model?	2
Is the conceptual model a component-based service model? (e.g. SOA)		2	0
Does the NIF encourage the use of common schemes to interconnect loosely coupled service components.		2	0
Does the NIF encourage to put in place the infrastructure to interconnect loosely coupled service components?		2	0
Does the NIF encourage to make the authentic sources of information available to others?		2	2
Does the NIF encourage access and control mechanisms to ensure compliance to security and privacy legislation?		2	0
Does the NIF encourage the development of interfaces to authentic sources that are aligned at semantic and technical level?		2	0
Total		14	2
Interoperability Levels		Does the NIF describe the four levels of interoperability?	2
	Does the NIF impose to consider all relevant legislation related to data exchange?	2	0
	Does the NIF describe that the business processes are documented in an agreed way in order for other administrations to understand the overall business process?	2	0
	Does the NIF encourage to agree on how these processes will interact among the different levels of public administrations?	2	0
	Does the NIF encourage public administrations to clarify their organisational relationships as part of the establishment of a (European) public service?	2	0
	Does the NIF encourage public administrations to agree on change management processes to ensure continuous service delivery.	2	0
	Does the NIF encourage the usage of a common taxonomy of basic public service?	2	0
	Does the NIF encourage public administrations to support the establishment of sectorspecific and cross-sectoral communities that aim to facilitate semantic interoperability and that share results on national and European platforms.	2	0
	Does the NIF encourage public administrations to agree on the formalised specification to ensure technical interoperability when establishing European public services.	2	0
	Total	18	0
	Interoperability Agreements	Does the NIF encourage: - Interoperability agreements to be based on existing formalised specifications? Or - if they do not exist, to cooperate with communities working in the same areas.	2
Does the NIF encourage Public administrations to use a structured, transparent and objective approach to assess and select formalised specifications?		2	0
Does the NIF encourage public administrations to prefer open specifications, taking due account of the coverage of functional needs, maturity and market support?		2	0
Does the NIF encourages public administrations to lead or actively participate in standardisation work relevant to their needs?		2	0
Does the NIF encourage public administrations to agree on minimum service requirements for secure data exchange?		2	0
Total		10	0
Interoperability Governance	A governance framework exists to control the interoperability activities across administrative levels.	2	2
	Total	2	2



Category	EIF	MS
Principles	100%	12,5%
Conceptual Model	100%	7,1%
Interoperability Levels	100%	5,6%
Interoperability Agreements	100%	0,0%
Interoperability Governance	100%	0,0%

Category	EIF Element	Scoring	
		Max	MS
Principles	Subsidiarity and proportionality	2	0
	User-centricity	2	0
	Inclusion and accessibility	2	0
	Security and privacy	2	1
	Multilingualism	2	0
	Administrative simplification	2	0
	Transparency	2	0
	Preservation of information	2	0
	Openness	2	1
	Reusability	2	1
	Technological neutrality and adaptability	2	0
	Effectiveness and efficiency	2	0
	Total		24
Conceptual Model	Does the NIF contain a conceptual model?	2	0
	Is the conceptual model a component-based service model? (e.g. SOA)	2	0
	Does the NIF encourage the use of common schemes to interconnect loosely coupled service components.	2	0
	Does the NIF encourage to put in place the infrastructure to interconnect loosely coupled service components?	2	0
	Does the NIF encourage to make the authentic sources of information available to others?	2	1
	Does the NIF encourage access and control mechanisms to ensure compliance to security and privacy legislation?	2	0
	Does the NIF encourage the development of interfaces to authentic sources that are aligned at semantic and technical level?	2	0
	Total		14
Interoperability Levels	Does the NIF describe the four levels of interoperability?	2	0
	Does the NIF impose to consider all relevant legislation related to data exchange?	2	0
	Does the NIF describe that the business processes are documented in an agreed way in order for other administrations to understand the overall business process?	2	0
	Does the NIF encourage to agree on how these processes will interact among the different levels of public administrations?	2	1
	Does the NIF encourage public administrations to clarify their organisational relationships as part of the establishment of a (European) public service?	2	0
	Does the NIF encourage public administrations to agree on change management processes to ensure continuous service delivery.	2	0
	Does the NIF encourage the usage of a common taxonomy of basic public service?	2	0
	Does the NIF encourage public administrations to support the establishment of sectorspecific and cross-sectoral communities that aim to facilitate semantic interoperability and that share results on national and European platforms.	2	0
	Does the NIF encourage public administrations to agree on the formalised specification to ensure technical interoperability when establishing European public services.	2	0
	Total		18
Interoperability Agreements	Does the NIF encourage: - Interoperability agreements to be based on existing formalised specifications? Or - if they do not exist, to cooperate with communities working in the same areas.	2	0
	Does the NIF encourage Public administrations to use a structured, transparent and objective approach to assess and select formalised specifications?	2	0
	Does the NIF encourage public administrations to prefer open specifications, taking due account of the coverage of functional needs, maturity and market support?	2	0
	Does the NIF encourages public administrations to lead or actively participate in standardisation work relevant to their needs?	2	0
	Does the NIF encourage public administrations to agree on minimum service requirements for secure data exchange?	2	0
Total		10	0
Interoperability Governance	A governance framework exists to control the interoperability activities across administrative levels.	2	0
Total		2	0



Category	EIF	MS
Principles	100%	0,0%
Conceptual Model	100%	0,0%
Interoperability Levels	100%	0,0%
Interoperability Agreements	100%	0,0%
Interoperability Governance	100%	0,0%

Category	EIF Element	Scoring	
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Principles	Subsidiarity and proportionality	2	0
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	Multilingualism	2	0
	Administrative simplification	2	0
	Transparency	2	0
	Preservation of information	2	0
	Openness	2	0
	Reusability	2	0
	Technological neutrality and adaptability	2	0
	Effectiveness and efficiency	2	0
	Total	24	0
Conceptual Model	Does the NIF contain a conceptual model?	2	0
	Is the conceptual model a component-based service model? (e.g. SOA)	2	0
	Does the NIF encourage the use of common schemes to interconnect loosely coupled service components.	2	0
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	Does the NIF encourage the development of interfaces to authentic sources that are aligned at semantic and technical level?	2	0
	Total	14	0
Interoperability Levels	Does the NIF describe the four levels of interoperability?	2	0
	Does the NIF impose to consider all relevant legislation related to data exchange?	2	0
	Does the NIF describe that the business processes are documented in an agreed way in order for other administrations to understand the overall business process?	2	0
	Does the NIF encourage to agree on how these processes will interact among the different levels of public administrations?	2	0
	Does the NIF encourage public administrations to clarify their organisational relationships as part of the establishment of a (European) public service?	2	0
	Does the NIF encourage public administrations to agree on change management processes to ensure continuous service delivery.	2	0
	Does the NIF encourage the usage of a common taxonomy of basic public service?	2	0
	Does the NIF encourage public administrations to support the establishment of sectorspecific and cross-sectoral communities that aim to facilitate semantic interoperability and that share results on national and European platforms.	2	0
	Does the NIF encourage public administrations to agree on the formalised specification to ensure technical interoperability when establishing European public services.	2	0
	Total	18	0
Interoperability Agreements	Does the NIF encourage: - Interoperability agreements to be based on existing formalised specifications? Or - if they do not exist, to cooperate with communities working in the same areas.	2	0
	Does the NIF encourage Public administrations to use a structured, transparent and objective approach to assess and select formalised specifications?	2	0
	Does the NIF encourage public administrations to prefer open specifications, taking due account of the coverage of functional needs, maturity and market support?	2	0
	Does the NIF encourages public administrations to lead or actively participate in standardisation work relevant to their needs?	2	0
	Does the NIF encourage public administrations to agree on minimum service requirements for secure data exchange?	2	0
Total	10	0	
Interoperability Governance	A governance framework exists to control the interoperability activities across administrative levels.	2	0
Total	2	0	

