



European Commission - ISA Work Programme

EUROPEAN INTEROPERABILITY ARCHITECTURE PROJECT

**European Interoperability Reference Architecture (EIRA)
Building blocks of the EIRA**

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In the context of publishing the EIRA version v0.8.1 beta, 5 small changes to definitions of the take-over version v0.8.0 beta from Deloitte ("*EIA-D02.01.03-v3.1_Update and Validation of EIRA_Description of the Building Blocks in the EIRA*") have been made by PwC EU Services. The work on the EIRA was largely done by Deloitte Consulting CVBA.

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On 12th of June 2014, the ISA coordination group endorsed the current versions of the EIRA and Cartography Tool stating that they are mature enough to go to public consultation and to be used in pilots.

This document will be further refined as the EIRA matures.

View	Building block	Type	Definition	Source of definition
Legal view	Public Policy Cycle	Process	The cycle of stages in the creation and execution of a public policy	Based on the concepts laid out in section 2.2 of http://www.europarl.europa.eu/RegData/etudes/etudes/join/2013/507457/IPOL-IMCO_ET(2013)507457_EN.pdf
Legal view	Definition of Public Policy Objectives	Process	A stage where public policy objectives are defined	Based on the concepts laid out in http://www.europarl.europa.eu/RegData/etudes/etudes/join/2013/507457/IPOL-IMCO_ET(2013)507457_EN.pdf
Legal view	Formulation of Public Policy Scenarios	Process	An stage where a number of public policy options for addressing the problem and achieving the public policy objectives are developed	Based on the concepts laid out in http://www.europarl.europa.eu/RegData/etudes/etudes/join/2013/507457/IPOL-IMCO_ET(2013)507457_EN.pdf
Legal view	Impact Assessment	Process	Impact assessment is a key tool to ensure that the public policy process is carried out on the basis of transparent, comprehensive and balanced evidence, an Impact assessment is an	Based on: http://ec.europa.eu/smart-regulation/impact/commission_guidelines/docs/ia_g_2009_en.pdf
Legal view	Public Policy Implementation	Process	The process of putting a public policy into effect	Oxford Dictionary
Legal view	Public Policy Evaluation	Process	Assessment of how the public policy met its objectives (according to defined criteria)	Based on the concepts laid out in http://www.europarl.europa.eu/RegData/etudes/etudes/join/2013/507457/IPOL-IMCO_ET(2013)507457_EN.pdf
Legal view	Public Policy Development Enablers	Group	An organisation or thing that makes the policy process possible	<u>Based on the definition of "enabler" in the Oxford Dictionary</u>

View	Building block	Type	Definition	Source of definition
Legal view	Approach	Object	The delegation model used to enforce the policy (centralised vs. decentralised)	Based on the concepts laid out in the EIS report
Legal view	Mandate	Object	The capacity and authority to carry out tasks within a specific policy domain	Based on the concepts laid out in the EIS report
Legal view	Public Policy	Object	A course or principle of action proposed or adopted by a policy making body	<u>Based on Oxford Dictionary</u>
Legal view	EU level	Object	Policy made at a level above the Member States (i.e. across or of relevance to multiple Member States)	EIA Project - Specific contract N° 83
Legal view	National level	Object	Policy made at central level in a Member State	EIA Project - Specific contract N° 83
Legal view	Sub-National level	Object	Policy made at regional or local level in a Member State	EIA Project - Specific contract N° 83
Legal view	Public Policy Implementation Instruments	Group	Instruments that support the implementation of the policy	EIA Project - Specific contract N° 83

View	Building block	Type	Definition	Source of definition
Legal view	Legal Requirements	Group	The legal text that mandates the creation of a Interoperable European Systems	EIA Project - Specific contract N° 83
Legal view	Binding Instrument	Object	A legal instrument that expresses something which is obligatory	Based on the concepts laid out in http://europa.eu/legislation_summaries/glossary/community_legal_instruments_en.htm
Legal view	Non-Binding Instruments	Object	A legal instrument that expresses something which is recommended, but not obligatory	Based on the concepts laid out in http://europa.eu/legislation_summaries/glossary/community_legal_instruments_en.htm
Legal view	Legal Constraints	Group	Other legal texts that the Interoperable European Systems needs to comply with	EIA Project - Specific contract N° 83
Legal view	Binding Instrument	Object	A legal instrument that expresses something which is obligatory	Based on the concepts laid out in http://europa.eu/legislation_summaries/glossary/community_legal_instruments_en.htm
Legal view	Non-Binding Instruments	Object	A legal instrument that expresses something which is recommended, but not obligatory	Based on the concepts laid out in http://europa.eu/legislation_summaries/glossary/community_legal_instruments_en.htm
Legal view	Operational Enablers	Group	A person or thing that makes possible to implement the policy	<u>Based on the definition of "enabler" in the Oxford Dictionary</u>

View	Building block	Type	Definition	Source of definition
Legal view	Financial Resource	Object	Money in the form of cash, securities, creditors, loan facilities, etc.	EIA Project - Specific contract N° 83
Legal view	Implementing Guideline	Object	Instructions that provide insight into how to implement a policy	EIA Project - Specific contract N° 83
Organisational view	Public Service	Service	Public Services are economic activities that public authorities identify as being of particular importance to citizens, businesses and public administrations and that would not be supplied	Based on DG Competition http://goo.gl/M9CKCJ
Organisational view	Service Catalogue	Object	A Service Catalogue is a database, or structured document with information on all public services. It represents the collection of the offered public services	ITIL v3
Organisational view	Basic Public Service	Service	Services that are offered without requiring the aggregation of other public services	Based on EIF 2.0 http://ec.europa.eu/isa/documents/isa_annex_ii_eif_en.pdf
Organisational view	Aggregated Public Service	Service	Basic services that can be aggregated to form aggregated services	Based on EIF 2.0 http://ec.europa.eu/isa/documents/isa_annex_ii_eif_en.pdf
Organisational view	Service Delivery Model	Interface	Defines how the organisation arranges the delivery of its services. For example: <ul style="list-style-type: none"> • whether it provides the services through a single channel or several ones; 	Based on ITIL http://www.itil-officialsite.com/

View	Building block	Type	Definition	Source of definition
Organisational view	User	Role	Public Administrations, Business and Citizens are consumers of public services	Based on EIF 2.0 http://ec.europa.eu/isa/documents/isa_annex_ii_eif_en.pdf
Organisational view	Citizen	Actor	Citizens are consumers of Public Services	Based on DG Competition http://goo.gl/M9CKCJ
Organisational view	Interoperability Service Agreement	Object	Interoperability Service Agreements are the means through which participants of ICT projects formalise cooperation with one another. These agreements aim at leaving each	Based on EIF 2.0 http://ec.europa.eu/isa/documents/isa_annex_ii_eif_en.pdf
Organisational view	Service Provider	Role	Public services can be provided by Public Administrations or Businesses financed through public resource	DG Competition http://goo.gl/M9CKCJ
Organisational view	Interoperability Provider Agreement	Object	Interoperability Supplier Agreements are the means through which the service providers of public services formalise cooperation with one another. These agreements aim to have	EIA Project - Specific contract N° 83
Organisational view	Organizations (Public Administration and Business)	Actor	Public Administrations and Business are entities that provide and/or consume Public Services.	Based on DG Competition http://goo.gl/M9CKCJ
Organisational view	European	Actor	<i>Organisations (public administrations, or businesses) which are operating on European level</i>	EIA Project - Specific contract N° 83

View	Building block	Type	Definition	Source of definition
Organisational view	National	Actor	<i>Organisations (public administrations, or businesses) which are operating on National level</i>	EIA Project - Specific contract N° 83
Organisational view	Sub-National	Actor	<i>Organisations (public administrations, or businesses) which are operating on Sub-National level</i>	EIA Project - Specific contract N° 83
Organisational view	Interoperability Collaboration Agreement	Object	Interoperability Collaboration Agreement are the means through which organisations (public administrations, or businesses) formalises the cooperation with one another. These	EIA Project - Specific contract N° 83
Organisational view	Business Process Model	Object	A model that defines the business process, by the definition of strict steps of the business processes, precise rules, and the description of the processed data	EIA Project - Specific contract N° 83
Organisational view	Business Process	Process	A business process is a sequence of linked activities that creates value by turning inputs into a more valuable output	Based on EIF 2.0 (page 30) http://ec.europa.eu/isa/documents/isa_annex_ii_eif_en.pdf
Organisational view	Business Information Exchange	Process	Interaction between two or more public administrations, businesses or citizens	Based on UN/CEFACT Modelling Methodology (UMM) http://www.unece.org/cefact/umm/umm_index.html
Organisational view	Business Transaction	Function	Atomic unit of interaction between two or more public administrations, businesses or citizens	Based on UN/CEFACT Modelling Methodology (UMM) http://www.unece.org/cefact/umm/umm_index.html

View	Building block	Type	Definition	Source of definition
Organisational view	Business Information Entity	Object	Information or object which can be exchanged between public administrations, businesses and citizens	Based on ISO 15489-1
Organisational view	Business Rule	Object	A business rule is a statement that defines or constrains some aspect of the business. It is intended to assert business structure, or to control or influence the behaviour of the	Business Rules Group http://www.businessrulesgroup.org/defnbrg.shtml
Organisational view	Organisational Enablers	Group	<i>Organisational Enablers consists of the elements that are describing the functions, principles, rules, and policies in an organisation. From these enablers the business</i>	EIA Project - Specific contract N° 83
Organisational view	Organisational Policy	Object	An organisational policy defines a set of principles, rules, and guidelines in an organisation.	Based on EIF 2.0 http://ec.europa.eu/isa/documents/isa_annex_ii_eif_en.pdf
Organisational view	Organisational Procedure	Object	An organisational procedure is a step-by-step description of the tasks required to support and carry out organizational policies.	EIA Project - Specific contract N° 83
Organisational view	Organisational Structure	Object	The way that authority and responsibility are arranged within an organisation	Jayantee Saha – 2006 [Management and Organizational Behaviour]
Semantic view	Data	Object	Facts represented as text, numbers, graphics, images, sound, or video. Data is the raw material used to represent information, or from which information can be derived	DAMA – Data Management International http://www.dama.org/

View	Building block	Type	Definition	Source of definition
Semantic view	DataSet	Object	A collection of data, published or curated by a single agent, and available for access or download in one or more formats	W3C http://www.w3.org/TR/vocab-dcat/#class-dataset
Semantic view	DataSet Catalogue	Object	A DataSet Catalogue is a curated collection of datasets	W3C http://www.w3.org/TR/vocab-dcat/#class-catalog
Semantic view	Representation	Representation	Representation is the means through which the other building blocks (data, data sets, etc.) are physically realised. This can be done through modelling notations, schemas and	EIA Project - Specific contract N° 83
Semantic view	Metadata	Group	Data that defines and describes the characteristics of other data, used to improve both business and technical understanding of data and data-related processes	DAMA – Data Management International http://www.dama.org/
Semantic view	Data Entity	Object	A classification of objects found in the real world described by the Noun part of speech – persons, places, things, concepts, and events – of interest to the enterprise	DAMA – Data Management International http://www.dama.org/
Semantic view	Data Model	Object	A model that includes formal data names, comprehensive data definitions, proper data structures and precise data integrity rules	DAMA – Data Management International (Brackett 2011)
Semantic view	Reference Data	Object	Any data used to organize or categorize other data, or for relating data to information both within and beyond the boundaries of the enterprise. Usually consists of codes and	DAMA – Data Management International http://www.dama.org/

View	Building block	Type	Definition	Source of definition
Semantic view	Controlled Vocabulary	Object	A defined list of explicitly allowed terms and their definitions	DAMA – Data Management International http://www.dama.org/
Semantic view	Identifier Schema	Object	Schema used to define the values of an identifier	CEN.BII http://spec.cenbii.eu/
Semantic view	Code list	Object	A list of one-to-one associations between specific business information entities and values (codes).	EIA Project - Specific contract N° 42
Semantic view	Metadata Management Policy	Object	Policy governing the creation, control, integration, access and use of metadata	Inspired on DAMA – Data Management International http://www.dama.org/
Semantic view	Data Policy	Object	The Licensing & Charging Policy and the Security & Privacy Policy are examples of Data Policies	See the following building blocks
Semantic view	Licensing & Charging Policy	Object	A statement of principles and guidelines for licensing and charging data. This may lead to an “open” data policy or a “closed data policy	Inspired on DAMA – Data Management International http://www.dama.org/
Semantic view	Security & Privacy Policy	Object	Statements of management intent and fundamental rules governing the creation, acquisition, integrity, security, quality and use of data and information	DAMA – Data Management International http://www.dama.org/

View	Building block	Type	Definition	Source of definition
Technical view - Application	User	Role	Any person, organization, functional unit or IT system that uses the services of an information processing system	Based on TOGAF
Technical view - Application	Human	Role	A person who uses the IT service on a day-to-day basis. Users are distinct from customers, as some customers do not use the IT service directly	ITIL See www.itil-officialsite.com
Technical view - Application	System	Role	A collection of components organized to accomplish a specific function or set of functions	Based on TOGAF
Technical view - Application	Interoperable European System	Group	An Interoperable European system is a collection of collaborating systems (orchestrated and choreographed) with responsibilities distributed across the Public	TAXUD
Technical view - Application	Documentation Enablers	Group	The Documentation Enablers is a collection of documents and procedures, which describes the Interoperable European Systems and solutions through defining the	EIA Project - Specific contract N° 83
Technical view - Application	Specification	Object	A Specification is a document describing the functional/technical specifications of a solution.	EIA Project - Specific contract N° 83
Technical view - Application	Operational Procedure	Object	The Operational Procedure defines the process of operating a solution, how the procedures are implemented and the rules for operating it.	EIA Project - Specific contract N° 83

View	Building block	Type	Definition	Source of definition
Technical view - Application	Configuration Management	Object	Configuration management is the means of maintaining the solutions and Interoperable European Systems to safeguard the performance of the solution. This includes	EIA Project - Specific contract N° 83
Technical view - Application	Presentation and Access Enablers	Group	The Presentation and Access Enablers is a collection of interface components in order to access the public service and enforce exchange of information	EIA Project - Specific contract N° 42
Technical view - Application	Human interface	Interface	Specific interface between the users (human) of an IT system and the programs providing screen or printed results. It is frequently regarded as a dedicated set of programs,	Based on DG TAXUD
Technical view - Application	Machine to Machine Interface	Interface	Description of a boundary between a system and other systems, usually including the mechanisms by which information is transferred	Based on DG TAXUD
Technical view - Application	Test Enablers	Group	The Test enablers are the means to perform tests on the solutions, create test scenarios and reports.	EIA Project - Specific contract N° 83
Technical view - Application	Test Service	Service	The Test Service enables the execution of the test scenarios by follow a number of sequential steps to validate the performance of a service, the accuracy, etc.	EIA Project - Specific contract N° 83
Technical view - Application	Test Component	Component	The Test Component encapsulates the functionalities for the testing processes.	EIA Project - Specific contract N° 83

View	Building block	Type	Definition	Source of definition
Technical view - Application	Test Scenario	Object	A Test Scenario defines the different test cases which needs to be performed by the Test Service. Each scenario (actual) outcome is validated against the pre-defined expected	EIA Project - Specific contract N° 83
Technical view - Application	Test Report	Object	The Test Report is the means of describing the results coming out of the Test Service, within this document the evaluation is made of the solution (based on the Test Scenario).	EIA Project - Specific contract N° 83
Technical view - Application	Discovery Enablers	Group	The Discovery Enablers are the means to discover services in a particular network.	EIA Project - Specific contract N° 83
Technical view - Application	Service Discovery Service	Service	The Service Discovery Service enables the automatic detection of devices and services on a specific network. In order to enable this functionality a common language is required to	EIA Project - Specific contract N° 83
Technical view - Application	Service Discovery Component	Component	The Service Discovery Component encapsulates the functionalities for the automatic detection of services in a network (service discovery).	EIA Project - Specific contract N° 83
Technical view - Application	Workflow Enablers	Group	The Workflow Enablers is the collection of services and components for business process management, including the choreography and orchestration functionalities.	EIA Project - Specific contract N° 42
Technical view - Application	Choreography Service	Service	The Choreography Service enables the collaboration among groups of services which, in turn, make up a larger, composite service, or which interact across organisational	Based on W3C http://www.w3.org/TR/ws-cdl-10/

View	Building block	Type	Definition	Source of definition
Technical view - Application	Orchestration Service	Service	Orchestration is the aggregation and sequenced execution of sets of transactions involving use of other services and functionalities, according to business rules	Based on EIF 2.0 http://ec.europa.eu/isa/documents/isa_annex_ii_eif_en.pdf
Technical view - Application	Business Process Management Component	Component	Application component that encapsulates the functionalities for the orchestration/choreography of business processes.	EIA Project - Specific contract N° 42
Technical view - Application	Collaboration Enablers	Group	The Collaboration Enablers is the collection of services and components for the transmission of text, and broadcasting of audio and video content.	EIA Project - Specific contract N° 83
Technical view - Application	Messaging Service	Service	The Messaging Service enables real-time transmission of text over the internet.	EIA Project - Specific contract N° 42
Technical view - Application	Audiovisual Service	Service	The Audiovisual Service enables the broadcast of audio and video content over the internet or satellite.	EIA Project - Specific contract N° 42
Technical view - Application	Collaboration Component	Component	Application component that encapsulates the functionalities for transmission of text and broadcasting of audio and video content.	EIA Project - Specific contract N° 42
Technical view - Application	Processing Enablers	Group	The Processing Enablers is the collection of mediation enablers, decision support enablers and specific purpose enablers.	EIA Project - Specific contract N° 42

View	Building block	Type	Definition	Source of definition
Technical view - Application	Mediation Enablers	Group	The Mediation Enablers is the collection of services and components for the routing, transformation, validation and exchange of data.	EIA Project - Specific contract N° 83
Technical view - Application	Data Routing Service	Service	The Data Routing Service has the ability to route the data messaged based on the content of the message (header). The messages are forwarded from a starting endpoint to a client	EIA Project - Specific contract N° 83
Technical view - Application	Data Routing Component	Component	The Data Routing Component that encapsulates the data routing functionalities exposed through the Data Routing Service.	EIA Project - Specific contract N° 83
Technical view - Application	Data Transformation Service	Service	The Data Transformation Service translates one data format to another.	EIA Project - Specific contract N° 42
Technical view - Application	Data Transformation Component	Component	Application component that encapsulates the data transformation functionalities exposed through the Data Transformation Service.	EIA Project - Specific contract N° 42
Technical view - Application	Data Validation Service	Service	The Data Validation Service is used to validate data against predefined semantic and syntactic constraints.	EIA Project - Specific contract N° 42
Technical view - Application	Data Validation Component	Component	Application component that encapsulates the data validation functionalities exposed through the Data Validation Service.	EIA Project - Specific contract N° 42

View	Building block	Type	Definition	Source of definition
Technical view - Application	Data Exchange Service	Service	The Data Exchange Service enables the secure exchange of messages, records, forms and other kinds of data between different ICT systems.	Based on EIF 2.0 http://ec.europa.eu/isa/documents/isa_annex_ii_eif_en.pdf
Technical view - Application	Data Exchange Component	Component	Application component that encapsulates the functionalities for secure data exchange.	EIA Project - Specific contract N° 42
Technical view - Application	Decision Support Enablers	Group	The Decision Support Enablers is the collection of services and components for enabling business analytics and reporting.	EIA Project - Specific contract N° 42
Technical view - Application	Business Analytics Service	Service	The Business Analytics Service enables the storage and manipulation of dimensional data models for the analysis of business trends and projections.	Based on DAMA – Data Management International http://www.dama.org/
Technical view - Application	Business Reporting Service	Service	The Business Reporting Service provides detailed reports using unified views of enterprise data.	DAMA – Data Management International http://www.dama.org/
Technical view - Application	Business Intelligence Component	Component	Application component that encapsulates the functionalities exposed through the Business Analytics Service.	EIA Project - Specific contract N° 42
Technical view - Application	Data Source Enablers	Group	The Data Source Enablers is the collection of services and components for enabling the management of forms, records, documents, content, and metadata.	EIA Project - Specific contract N° 42

View	Building block	Type	Definition	Source of definition
Technical view - Application	Forms Management Service	Service	The Forms Management Service enables the dynamic creation, distribution and analysis of forms and online surveys.	EIA Project - Specific contract N° 42
Technical view - Application	Forms Management Component	Component	Application component that encapsulates the functionalities for the management of forms.	EIA Project - Specific contract N° 42
Technical view - Application	Records Management Service	Service	The Records Management Service enables the classification, storage, access, and disposal of the records of an organization from the time they are captured (e.g. creation of an internal	Based on the archival policy of the European Commission http://ec.europa.eu/archival-policy/moreq/doc/moreq_en.pdf
Technical view - Application	Record Management Component	Component	Application component that encapsulates the functionalities for the classification, storage, archiving, and destruction of electronic records.	EIA Project - Specific contract N° 42
Technical view - Application	Document Management Service	Service	The Document Management Service enables the organisation and categorization of electronic documents in order to store, publish and	EIA Project - Specific contract N° 83
Technical view - Application	Content Management Service	Service	The Content Management Service enables the organisation and categorisation of information resources so that they can be stored, published and reused in multiple contexts.	DAMA – Data Management International http://www.dama.org/
Technical view - Application	Content Management Component	Component	Application component that encapsulates the functionalities for the organisation and categorization of information resources.	EIA Project - Specific contract N° 42

View	Building block	Type	Definition	Source of definition
Technical view - Application	Metadata Management Service	Service	The Metadata Management Service enables the creation, storage, categorisation and retrieval of metadata.	Based on DAMA – Data Management International http://www.dama.org/
Technical view - Application	Metadata Management Component	Component	The application component that encapsulates the functionalities for the management of metadata.	EIA Project - Specific contract N° 42
Technical view - Application	e-Archiving Service	Service	The e-Archiving Service enables the permanent or long-term storage of selected (by an authority) electronic documents or information for preservation	EIA Project - Specific contract N° 42
Technical view - Application	e-Archiving component	Component	The e-Archiving Component encapsulates the functionalities for electronic archiving of documents.	EIA Project - Specific contract N° 42
Technical view - Application	Administration Enablers	Group	The Administration Enablers is the collection of services and components to enable the administration and monitoring functionalities, lifecycle management and partner	The SOA Backplane Reference Model of Gartner
Technical view - Application	Administration and Monitoring Service	Service	The Administration and Monitoring Service enables the administration and monitoring of services offered by the different components	The SOA Backplane Reference Model of Gartner
Technical view - Application	Lifecycle Management Service	Service	The Lifecycle Management Service supports the governance of services throughout their lifecycle	The SOA Backplane Reference Model of Gartner

View	Building block	Type	Definition	Source of definition
Technical view - Application	Administration Component	Component	The Administration Component encapsulates the functionalities for the administration, monitoring and lifecycle management of services	The SOA Backplane Reference Model of Gartner
Technical view - Application	Partner Management Service	Service	The Partner Management Service enables the management of the consumers of the services offered by the different components (i.e. the Partners)	The SOA Backplane Reference Model of Gartner
Technical view - Application	Partner Management Component	Component	The Partner Management Component encapsulates the functionalities for managing the consumers of services	The SOA Backplane Reference Model of Gartner
Technical view - Application	Security Enablers	Group	The Security Enablers is the collection of services and components for enabling access management, audit and log functionalities.	The SOA Backplane Reference Model of Gartner
Technical view - Application	Access Management Service	Service	The Access Management Service provides the mechanisms to ensure that only authorized people can access and perform actions on IT resources.	EIA Project - Specific contract N° 42
Technical view - Application	Access Management Component	Component	Application component that encapsulates the functionalities for the authorization of users.	EIA Project - Specific contract N° 42
Technical view - Application	Audit Service	Service	The Audit Service traces all events and user actions impacting a data entity throughout its lifecycle (from its creation to its disposal). It can be used to reproduce a certain state of a	EIA Project - Specific contract N° 42

View	Building block	Type	Definition	Source of definition
Technical view - Application	Logging Service	Service	The Logging Service traces events that happen while an information system is running and that can be used to identify technical problems.	EIA Project - Specific contract N° 42
Technical view - Application	Audit and Logging Component	Component	Application component that encapsulates the functionalities for auditing and logging of events.	EIA Project - Specific contract N° 42
Technical view - Infrastructure	Digital Services Infrastructure	Group	The Digital Services Infrastructure is a collection of cross-sectorial infrastructure services and components, that are decoupled from the business that a specific Transe-	EIA Project - Specific contract N° 83
Technical view - Infrastructure	e-Payment Service	Service	The e-Payment Service enables the execution of payment transactions where the consent of the payer to execute a payment transaction is given by means of any telecommunication,	Based on Directive 2007/64/EC of the European Parliament and of the Council of 13 November 2007 on payment services in the internal market. http://eur-
Technical view - Infrastructure	e-Payment Component	Component	Application component that encapsulates the functionalities for execution or electronic payments.	EIA Project - Specific contract N° 42
Technical view - Infrastructure	Machine Translation Service	Service	The Machine Translation Service enables the automatic translation of data in form of plain text from one EU language to another EU language (or to a set of other EU languages).	EIA Project - Specific contract N° 83
Technical view - Infrastructure	Machine Translation Component	Component	Application component that encapsulates the machine translation functionalities exposed through the Machine Translation Service.	EIA Project - Specific contract N° 83

View	Building block	Type	Definition	Source of definition
Technical view - Infrastructure	Infrastructure Security Enablers	Group	The Infrastructure Security Enablers is the collection services and components for enabling e-signing functionalities, identity management and trust management services	EIA Project - Specific contract N° 83
Technical view - Infrastructure	e-Signing Service	Service	The e-Signing Service is used for the generation of interoperable electronic signatures. This service is mainly used to sign document electronically.	EIA Project - Specific contract N° 83
Technical view - Infrastructure	e-Signature Validation Service	Service	The e-Signature Validation Service is used for the verification of documents that are signed electronically.	EIA Project - Specific contract N° 83
Technical view - Infrastructure	e-Signature Component	Component	Application component that encapsulates the functionalities for the generation, verification and extension of interoperable electronic signatures.	EIA Project - Specific contract N° 42
Technical view - Infrastructure	Identity Management Service	Service	The Identity Management Service provides functionalities for the authentication of users.	EIA Project - Specific contract N° 42
Technical view - Infrastructure	Identity Management Component	Component	Application component that encapsulates the functionalities for the authentication of users.	EIA Project - Specific contract N° 42
Technical view - Infrastructure	Trust Management Service	Service	The Trust Management Service enables the discovery of essential information about e.g. supervised/accredited certification service providers, supervised/accredited service end-	Based on: http://ec.europa.eu/digital-agenda/en/eu-trusted-lists-certification-service-providers

View	Building block	Type	Definition	Source of definition
Technical view - Infrastructure	Trust Management Component	Component	The Trust Management Component encapsulates the functionalities for managing supervised/accredited providers of services, certificates, etc.	Based on: http://ec.europa.eu/digital-agenda/en/eu-trusted-lists-certification-service-providers
Technical view - Infrastructure	Hosting and Networking enablers	Group	The Hosting and Networking Enablers is the collection services and components for hosting the Interoperable European Systems and provides a network for operating the solutions.	EIA Project - Specific contract N° 42
Technical view - Infrastructure	Networking Service	Service	The Networking Service of a network provider	Based on DIGIT C Infrastructure Services Provision (ISP)
Technical view - Infrastructure	Network	Network	A Network realises the physical communication layer among nodes participating to a Interoperable European System.	EIA Project - Specific contract N° 42
Technical view - Infrastructure	Private Network	Network	A Private Network is a network that is used for the only purpose of realising the physical communication among Interoperable European Systems (e.g. sTESTA), and cannot be	EIA Project - Specific contract N° 42
Technical view - Infrastructure	Public Network	Network	A Public Network is a Network that can be accessed by the public (public administrations, businesses and citizens) without specific authorisations. Interoperable European	EIA Project - Specific contract N° 42
Technical view - Infrastructure	Hosting Service	Service	A Hosting Service of a hosting provider	Based on DIGIT C Infrastructure Services Provision (ISP)

View	Building block	Type	Definition	Source of definition
Technical view - Infrastructure	Hosting Facility	Node	The Hosting Facility is usually embodied in a building and the equipment supporting the hosting of Interoperable European System and its components	Based on DIGIT C Infrastructure Services Provision (ISP)
Technical view - Infrastructure	Secure Access	Function	The hosting facility ensures Secure Access to the building and equipment	Based on DIGIT C Infrastructure Services Provision (ISP)
Technical view - Infrastructure	Storage	Function	The hosting facility makes available Storage for the Interoperable European System	Based on DIGIT C Infrastructure Services Provision (ISP)
Technical view - Infrastructure	Processing	Function	The hosting facility makes available Processing resources for the Interoperable European System (usually hardware)	Based on DIGIT C Infrastructure Services Provision (ISP)
Technical view - Infrastructure	Public Hosting Facility	Node	Public Hosting Facility when the hosting facility is owned by a third party and shared between organisations (e.g. cloud services)	EIA Project - Specific contract N° 83
Technical view - Infrastructure	Private Hosting Facility	Node	Private Hosting Facility when the hosting facility is owned by or dedicated to one organisation (e.g. data center or private cloud)	EIA Project - Specific contract N° 83