[EU07] eDelivery

eDelivery		
Summary		
ID	EU07	
Initiative	e-SENS	
Short description	e-Delivery denotes the process to take (store) and hand over	
	(route and forward) business data and evidence	
	asynchronously, securely and reliably:	
	• interconnected by applying the four-corner model network	
	arrangement	
	• to form a Pan European Registered e-Delivery ICT	
	Transport Infrastructure	
	 to and from existing national and/or private ICT Transport Infrastructures to form a bridged Pan European Registered e-Delivery ICT Transport Infrastructure. 	
	The main objective of the e-SENS e-Delivery infrastructure is the interoperable, secure and reliable exchange of structured, non-structured and/or binary data within (at least) asynchronous communication scenarios.	
Owner	e-SENS	
Contact	http://www.esens.eu/contact-us/	
Туре	Framework	
Sub-Type	Specification	
Context	Cross-border, Cross-sector	
Base Registry type	All	
Operating model	 In e-Delivery the sender and receiver perceive the business communication between the two as indirect i.e. as asynchronously. A communication is made up by a message producer and a message consumer, where producer and consumer each connect independently to an e-Delivery ecosystem. Access from and to the eco-system by producer and consumer is handled by Messaging Gateways that serve as Messaging Bridges. (The term Gateway is sometimes also referred to as Access Point (AP) or National Contact Point (NCP)) The transfer of the message from the producer to the ecosystem is typically initiated by the producer. The transfer of the message from the ecosystem to the consumer may be based initiated by the consumer or by the Messaging Gateway. 	
IPR	Not Available/Not Found	

Status	Other (Transition)	
More details		
Aggregated	ABN – 11 Need for automation of data exchange	
business need	ABN – 13 Need for a service level agreement	
Functionalities	In e-SENS, e-Delivery is constrained to operate in a four-corner	
	model. A four-corner model is a network arrangement to	
	facilitate End Entity inter-connection by using Gateways in a	
	scalable way. Networks using four-corner models usually share	
	these characteristics:	
	End Entities may choose any Gateway connected to the	
	network.	
	• The Gateways are using pre-agreed transport protocols.	
	• The Exchange Format of payloads/messages used	
	between the Gateways MAY be pre-agreed (but not	
	always as in the case of payload agnostic Gateways).	
	 The Gateways are acting on behalf of the End Entities. 	
	• Each End Entity only needs to enter into a contractual	
	agreement with its selected Gateway.	
	Gateways may transform to/from the agreed Exchange	
	Format before sending or after receiving depending of the	
	End Entity's preferences. The creation of the business	
	document, in its Exchange Format, can happen either in	
	the issuer's own systems or it may be translated from an	
	In-house Format to the Exchange Format by the	
	Gateway. The concept of "Connector" refers to common	
	B2B Gateway functionality other than basic Message	
	Exchange Protocol handling, such as transformation.	
	• The Gateway often offers more added value services to	
	the End Entity (such as archiving, syntax validation,	
	syntax transformation).	
	• End Entity may connect directly to the Messaging	
	Gateways, or may connect via a separate eco-system	
	served by its own Messaging Gateways.	



Related Building blocks:

	 ABB - Message Exchange: The Secure Transport of Documents and Data ABB is documented as a profile of the ebMS3 and AS4 OASIS Standards for use in four- corner topologies. ABB - Addressing of Entities: The Addressing of Entities ABB specifies a URN-based notation for party identifiers based on the ISO 6523 and OASIS ebCore Party ID Type standards. The ABB leverages existing party identification schemes and registries in use in Member States or internationally. ABB - Capability Lookup: The Capability Lookup ABB defines protocols and data formats to use for accessing and obtaining service metadata. It also defines a mechanism to use SMP to select ebMS3 Processing Modes. ABB - Service Location: To send documents or data to an end entity (or its service provider), it is necessary to obtain service metadata to properly configure the transport connection to the endpoint for that entity (or service provider). That information can be published by a metadata service. To use to that metadata service, the sender needs to know the location of that service. The Service Location ABB defines a standard location for metadata service providers based on the BDX Location OASIS specification. ABB - Backend Integration The Backend Integration ABB
Design/Architecture	facilitates the connection between the national infrastructure and the e-SENS infrastructure.
	or one stration and repelogy of ABBS

	Originator Entity Identifier Identifier Submit Send Message Message Message Message Business Document Document Document Recipient Document
	Business Document V SBDH
	The overall e-Delivery use case has been depicted as a
Technologies	Not Available/Not Found
Specifications	BDX Location ebMS3 AS4 ISO 6523 ebCore Party ID Type
Management	Not Available/Not Found
Governance	Please see: Work Package 3 - Sustainability and Long-Term
	Governance.
Sustainability	Please see: Work Package 3 - Sustainability and Long-Term
	Governance.
Documentation	http://wiki.ds.unipi.gr/display/ESENS/SAT+-+eDelivery+-+1.6
ADMS	Not Available/Not Found
Current Users	Not Available/Not Found
A	
View	Interoperability View
Building Block	Interoperability Specification
Landscapa	Reusability
Landscape	Cross-secticeur

