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	Stotistics	informatics
XML	1L Encryption	
Th vc	<ul> <li>The XML Encryption recommendation defines the framework vocabulary and processing rules for XML encryption and decision and processing rules for XML encryption and decision and process a variety of encryption algorithms</li> <li>Encapsulates all the information needed to process encrypted a such as encryption algorithm and parameters, information abo</li> <li>Confidentiality may be applied at any level of granularity to XM (XML elements, XML element content as well as entire XML door secure only portions of XML documents routed through intermorprocessors.</li> <li>Allows combined use of asymmetric (for keys) and symmetric (content) encryption to optimise performance.</li> </ul>	ς, ryption. content, ut keys. IL content cuments) to ediary (for
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Stan	dardisation Issues
Ro	admap for amendments to existing standard documents:
•	Amend the business model part (use cases and sequence diagrams) to include information security related processes (i.e. signature, encryption, authentication, authorisation, certification)
•	Amend the models (class diagrams) to provide for digital signatures of declarant and counter-signatures of collecting centres.
•	Identify sensitive message parts that require encryption
•	Identify message parts which must be excluded from encryption (e.g. for routing and intermediate processing)
•	Include security related response codes in response messages.
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XML Security
<ul> <li>Scope of application: <ul> <li>Mandatory or not</li> <li>Among organisations only or also involving declarants.</li> </ul> </li> <li>Public key infrastructure issues have to be resolved: <ul> <li>Decide if a party acting as a TTP will be included in the system to undertake public key registration, information and certification services (e.g. an existing certification authority)</li> <li>Alternative: establish a light-weight, PGP like system, without third party certification (i.e. based on a direct exchange of public keys among parties)</li> <li>The second alternative is suitable for organisations (NCA's, Eurostat etc.) but not feasible for declarants (enterprises).</li> </ul> </li> </ul>
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