


 WS-SMH/Sec 16/INF-1102


**eCommerce application development of relevance to Smart House**

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Chair, CEN/ISSS Electronic Commerce Workshop  
<http://www.cenorm.be/issss/workshop/ec>  
Chair, CEN/ISSS eBusiness Standards Focus Group  
[http://www.cenorm.be/issss/Projects/e-biz/web\\_announcement.htm](http://www.cenorm.be/issss/Projects/e-biz/web_announcement.htm)

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 **“Classic” eCommerce Exchange**




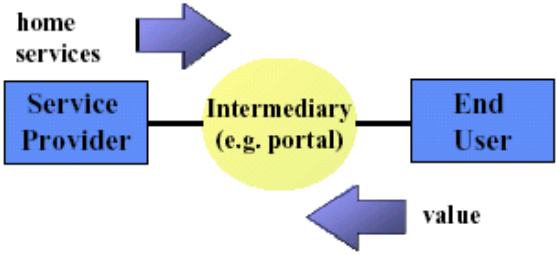
products services →

Producer — Mediation — Consumer (business, individual, citizen)

← value

2

 **eCommerce exchange in a Smart House Context**



home services →

Service Provider — Intermediary (e.g. portal) — End User


← value

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 **Service examples**

<i>Convenience</i>	<i>Communication</i>
<ul style="list-style-type: none"> <li>• Utilities savings</li> <li>• Healthcare</li> <li>• Security</li> <li>• Remote monitoring</li> <li>• Appliance control</li> <li>• Maintenance</li> <li>• Replenishment</li> <li>• Telemetry</li> </ul>	<ul style="list-style-type: none"> <li>• Collaboration</li> <li>• Voice over IP</li> <li>• Scheduling</li> <li>• (Unified) Billing</li> </ul>
	<i>Content</i>
	<ul style="list-style-type: none"> <li>• All classic B2C contents</li> <li>• VoD &amp; digital TV related</li> <li>• Rights management</li> </ul>

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 **Standards & Specifications (1)**

- OSGI (services gateway)
- Jini (network centric services)
- UPnP, JXTA (device connectivity)
- P2P protocols
- Smart Card specifications (eESC)

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 **Standards & Specifications (2)**

- T-Commerce
  - MHP (set top box)
  - TV Anytime (local storage in consumer electronics platform)
- M-Commerce
  - ETSI M-Commerce Project pending outputs
  - MeT (personal trusted device)
  - Mobey (payment)
  - Radicchio I²r (identity scheme)

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## Standards & Specifications (3)

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- eCommerce
  - ePayment architectures & protocols
  - Identity service / network authentication specs, e.g. Liberty, SAML, Web Services Security, (P²), ...
  - Security, e.g. XMLDSIG, XMLENC, XKMS, ...
  - Emerging Web Services architecture & protocols
    - "base specifications" - XML, SOAP, WSDL & UDDI
    - specs for service creation, distribution & management
    - specs for service orchestration
    - specs for message packaging & routing

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