

SLM Concept

Service Lifecycle Management

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NIOHC14 - 27 February 2014, Bangkok

HSSC 5 Action Item

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| 7.3 | Service Lifecycle Management | HSSC5/61 | IHB to contribute to a joint CIRM-IEC-IHO submission to NCSR 1 on Service Lifecycle Management (SLM) and invite MS to seek the support of their national maritime administration. | NCSR 1 |
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| 7.3 | Service Lifecycle Management | HSSC5/62 | TSMAD to consider the impact of introducing Service Lifecycle Management (SLM) in the S-101 Roadmap and S-100 Master Plan. | TSMAD-28 |
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- **For example, SLM should set rules for:**
 - the application of certified quality systems;
 - the application of Quality Assurance across the data supply chain (from origination of data through processing, maintenance, formatting, delivery and end use of the data);
 - how each stakeholder informs other stakeholders of change;
 - the length of the transition period for a change in the service chain;
 - the handling of legacy systems in any part of the service chain;
 - how to maintain and update the software in compliance with relevant standards;
 - etc.

The concept of SQA for e-navigation

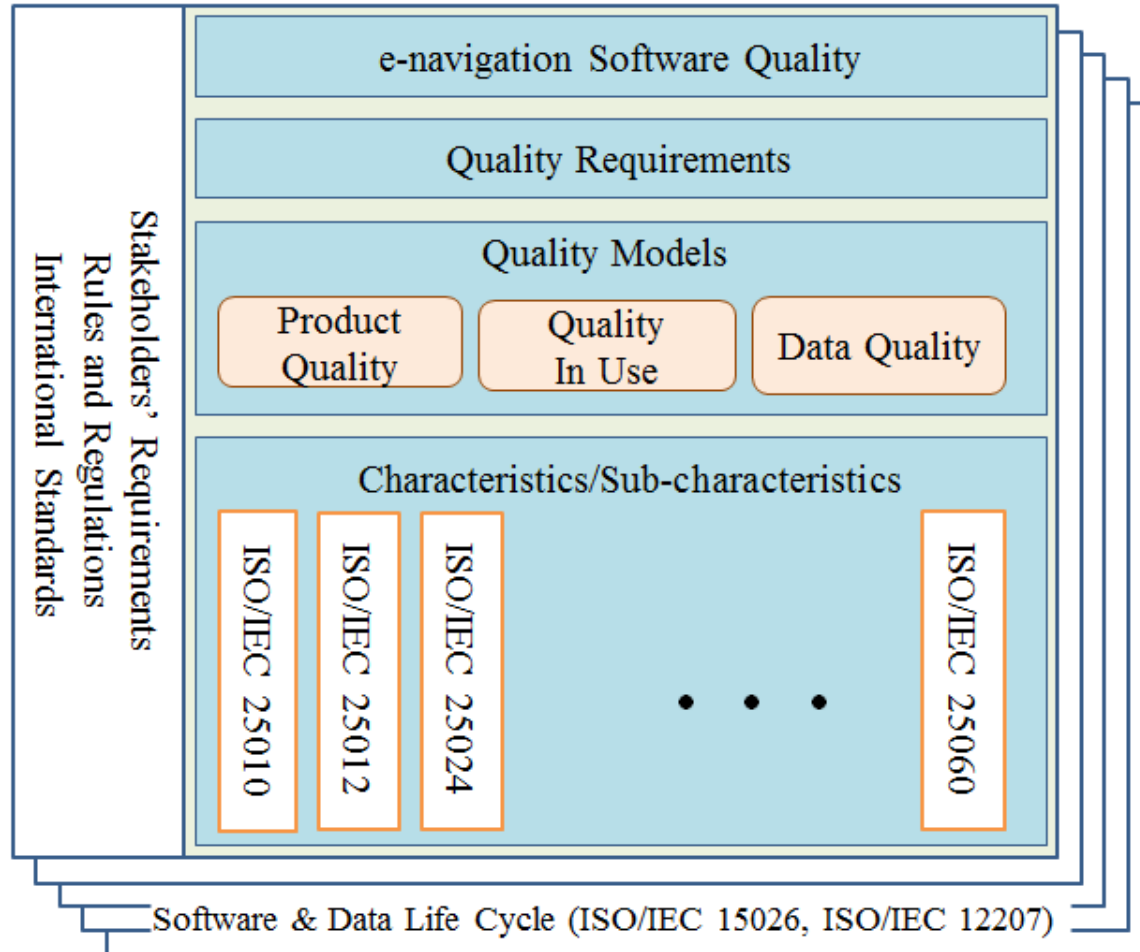
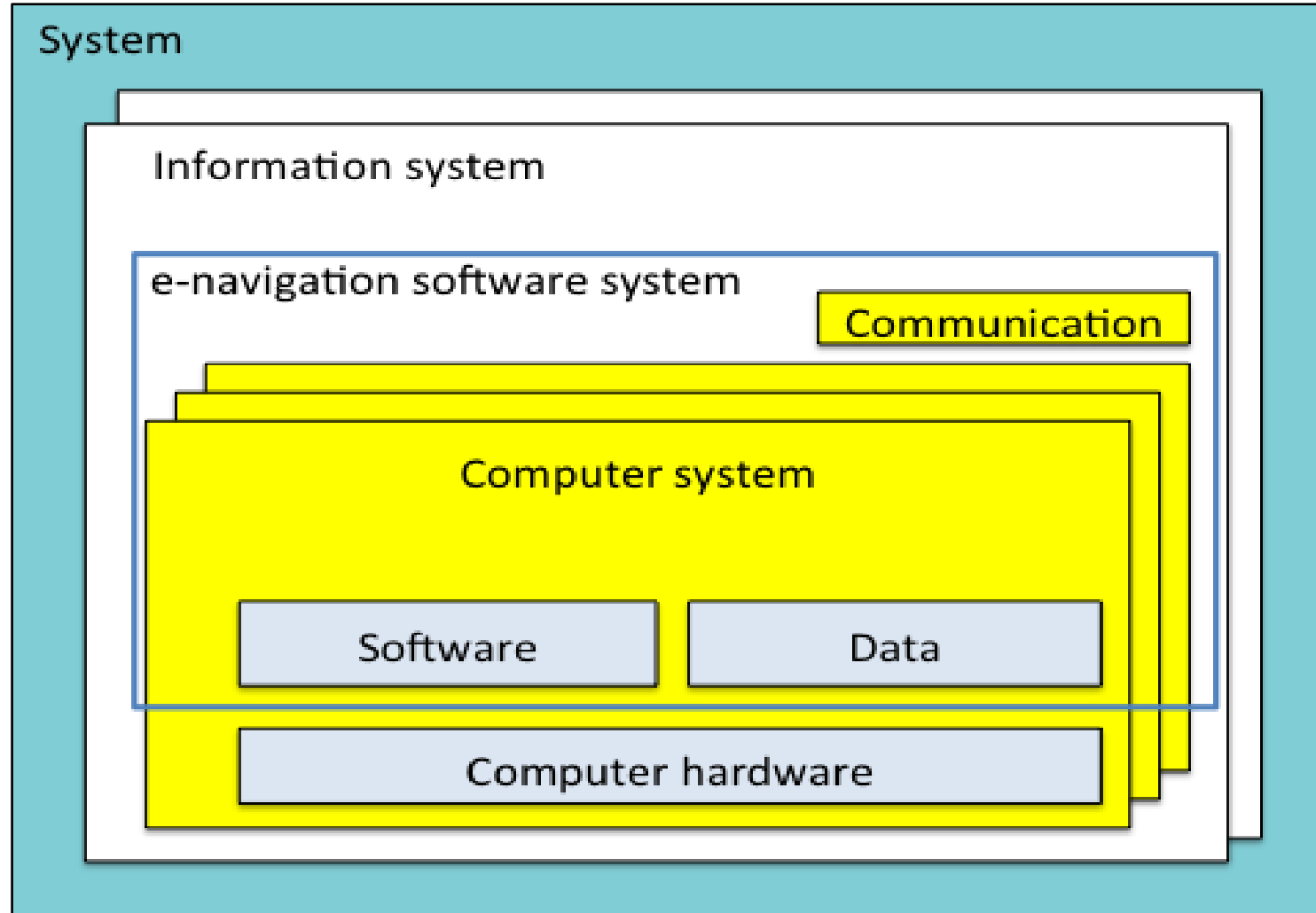


Figure 2: the concept of SQA for e-navigation

E-Navigation System Concept

SLM covers the full system



Data Quality in SQA

Details out the Software Part

Taking into account that the data lifecycle is often longer than the software lifecycle, the data quality model recommended to be considered to meet the needs as mentioned in paragraph 5.2 includes:

- define and evaluate data quality requirements in data production, acquisition and integration processes;
- identify data quality assurance criteria, also useful for re-engineering, assessment and improvement of data; and
- evaluate the compliance of data with legislation and other requirements.

- Builds on Data Quality from SQA
- Extended Data Quality for full Data Supply Chain
- Integrated Data Usage in System Lifecycles
 - Data usage on System Installation
 - Data updating during System Use
 - Data concern during System Maintenance
 - Data disposal on System Retirement

THANK YOU !

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