



Advancing eHealth  
Interoperability

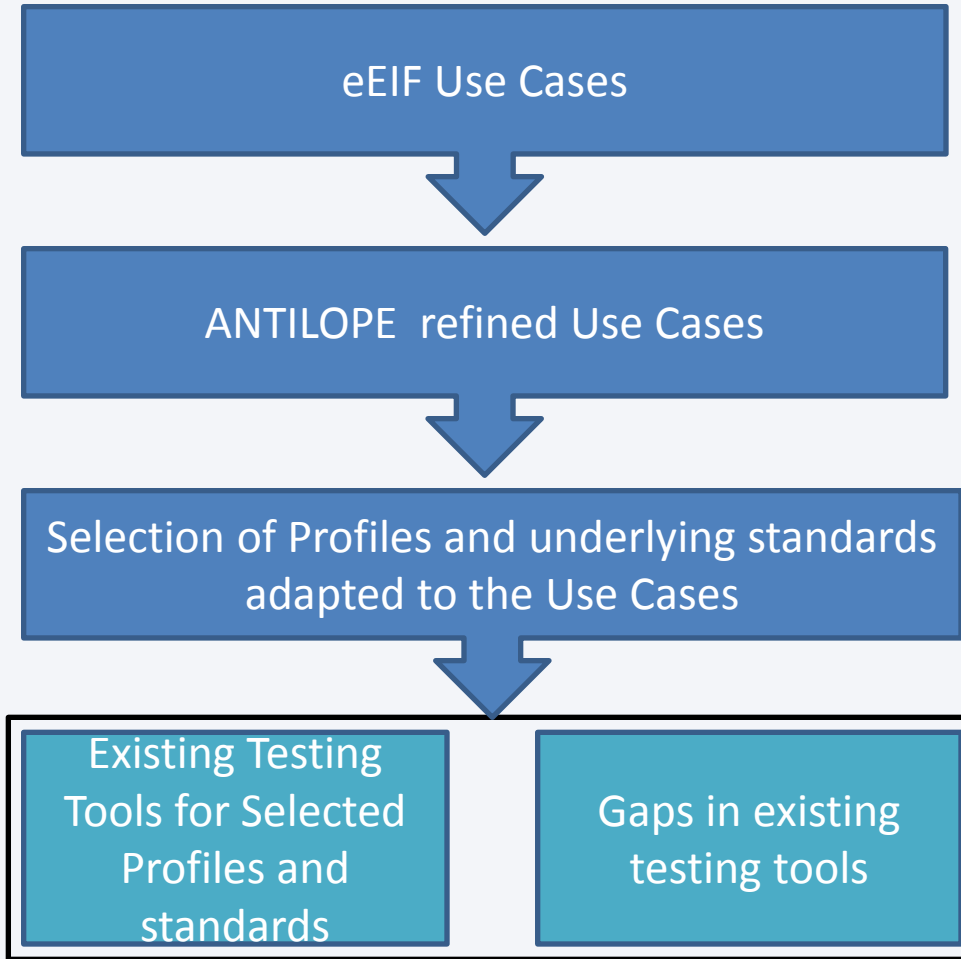
Handover Workshop  
29 January 2015

*Testing tools*

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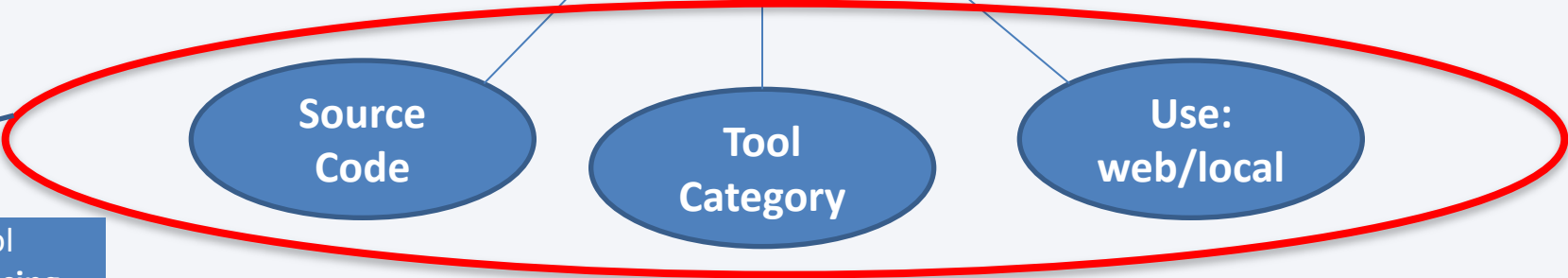
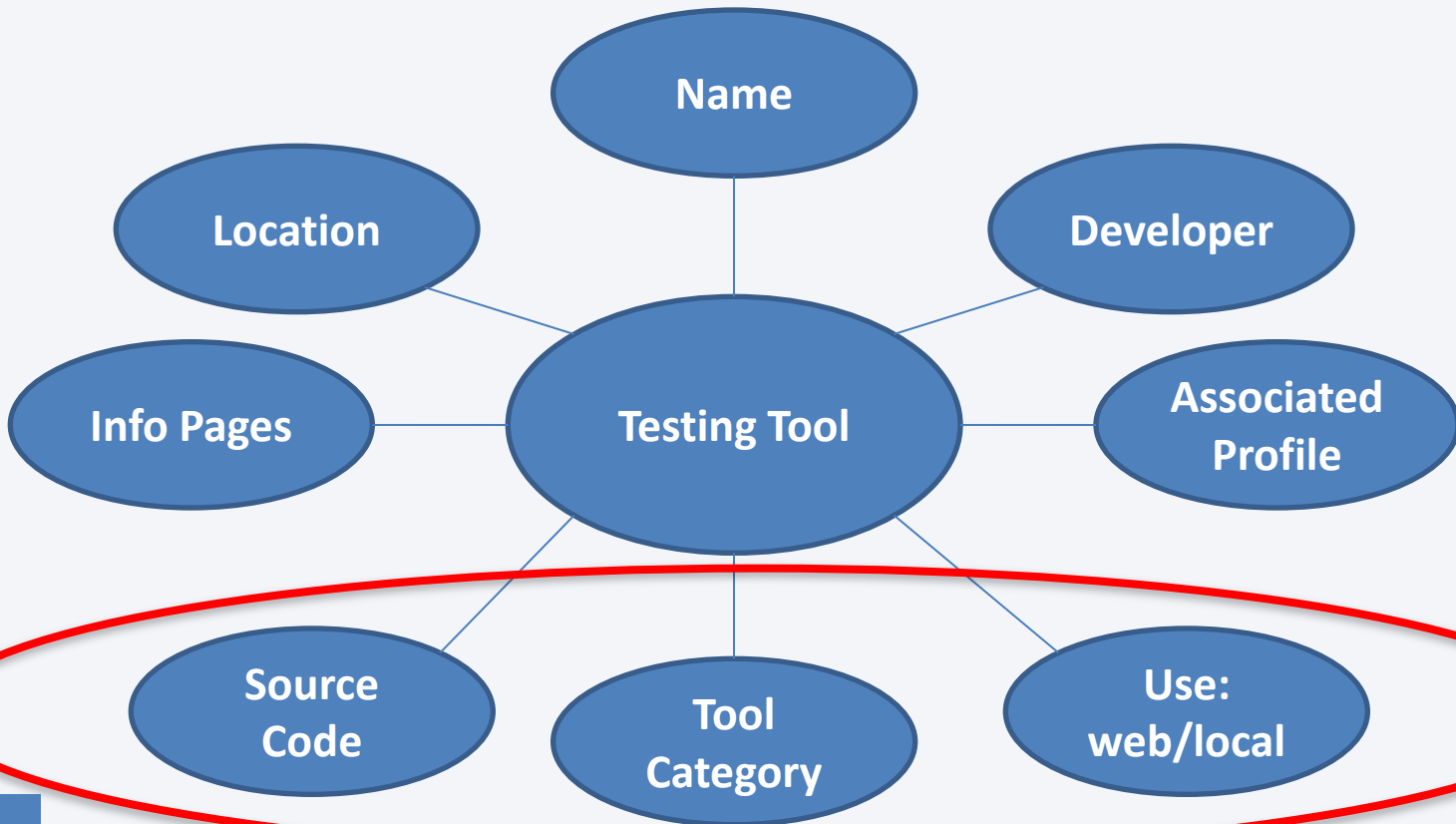
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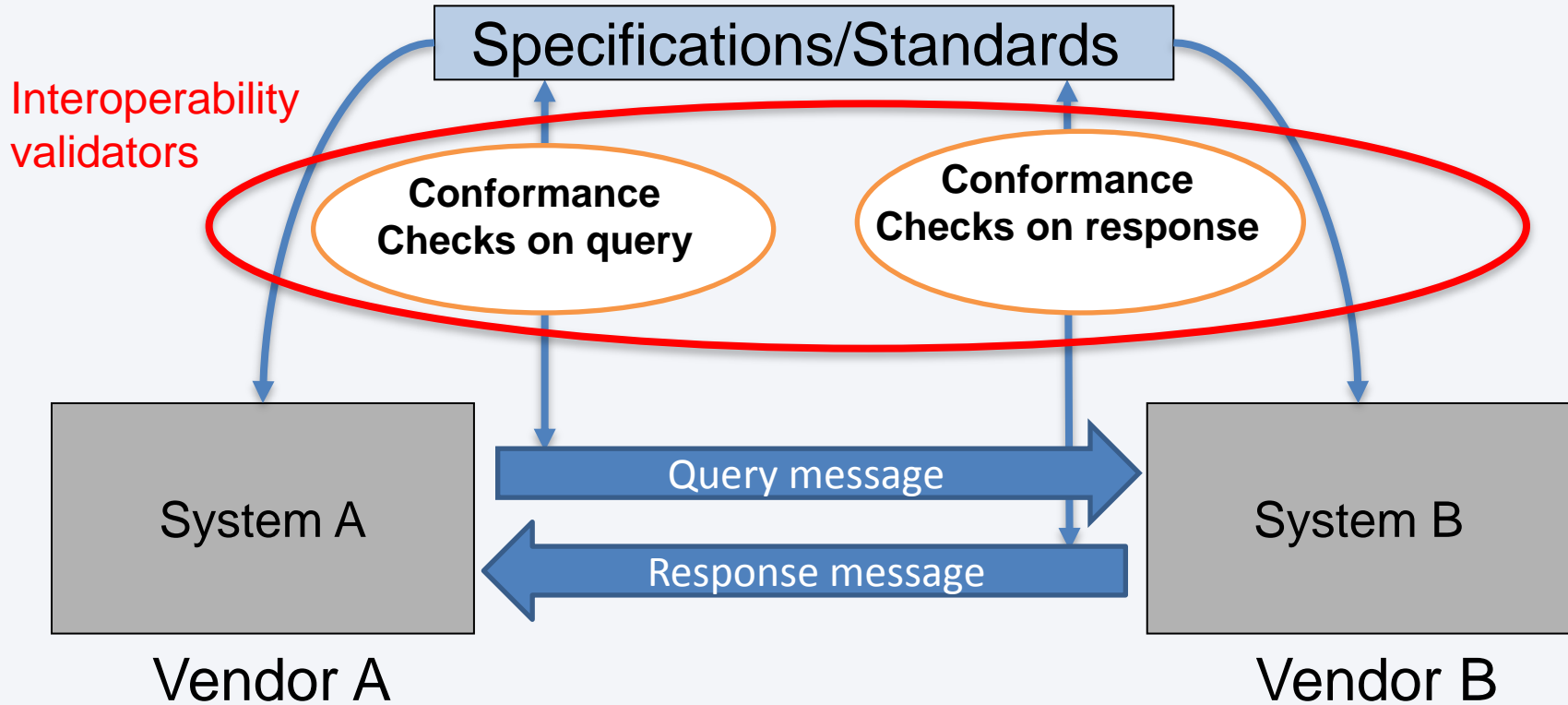




- For revised eEIF Use Cases and their associated profiles the information on available testing tools was collected and analyzed
- For each of the existing testing tools that have been identified and analyzed the most important information is provided
- Testing tool categories considered relevant for this work were elaborated in the methodology section.
- The information on tool category had a particular importance in the gap analysis.



Tool enhancing information





**Tools specific to IHE profiles**

**Tools specific to Continua  
Health Alliance Profiles**

**Generic tools useful for testing  
HL7. No associated profile.**

**Tools not recommended for  
use**



- Two types:
  - Profile specific but independent of the Use Case where the profile is used
  - profile independent, improve the testing precision, testing efficiency or both
- Clearly conformance testers and interoperability validators provide a more powerful testing solution and proposed when not already available
- Other, specific, less powerful but useful improvements proposed
- Detailed description of testing tools improvements provided

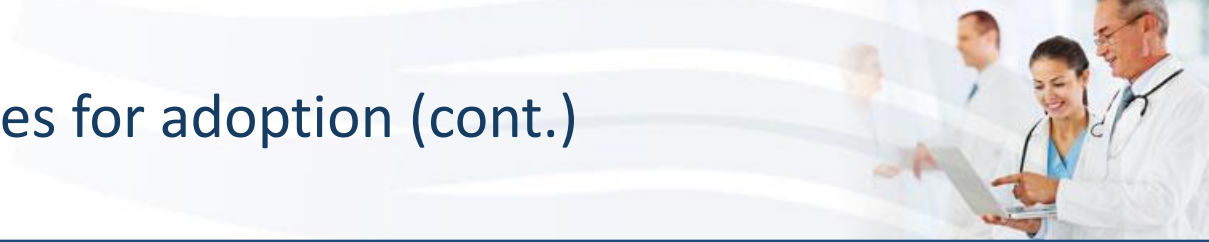


- **Testing tools already** exist for eEIF Use Cases
- The increased use of **existing tools will improve interoperability** of eHealth systems implementing eEIF Use Cases
- In addition to immediate use of existing tools, **improved testing tools should be developed** to increase the testing precision and productivity
- **Improvements** have **already identified and described**
- New or improved testing tools should be built in line with the ANTILOPE issued **Request For Proposal**
- As the eEIF evolves, there should be a **continuous process** of review , development and deployment of improved testing tools





- The first and most important step in achieving interoperability is **deciding on the specifications** for an interoperable system
- If the specifications are not using standards and profiles, interoperability may not be possible, no matter how much effort is invested later on
- National/regional level specifications should be specialisations of common standards and profiles
- Solutions built in this way in one country can to a large extent be reused in other countries



- Testing tools for national level can also be specializations of the testing tools built for testing international standards/profiles
- This would reduce the cost of building testing tools for national/regional use and increase the stability of testing solutions on all levels
- This approach would facilitate achieving cross-border interoperability in Europe as testing tools can be shared across all levels



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| <b>Testing tools are key to achieving interoperability</b> | Testing and certification of eEIF Use Cases is relying on recognized profiles and will require robust and high quality testing tools |
| <b>Use good testing tools that exist</b>                   | ANTILOPE is contributing by consolidating and disseminating the knowledge about the testing tools that are already available.        |
| <b>New or improved test tools need to be developed</b>     | ANTILOPE has identified the gaps and is promoting the development of additional testing tools  |



All Antilope deliverables are  
available on the Antilope website:  
<http://www.antilope-project.eu/resources/>