

W3C mOK Checker Task Force

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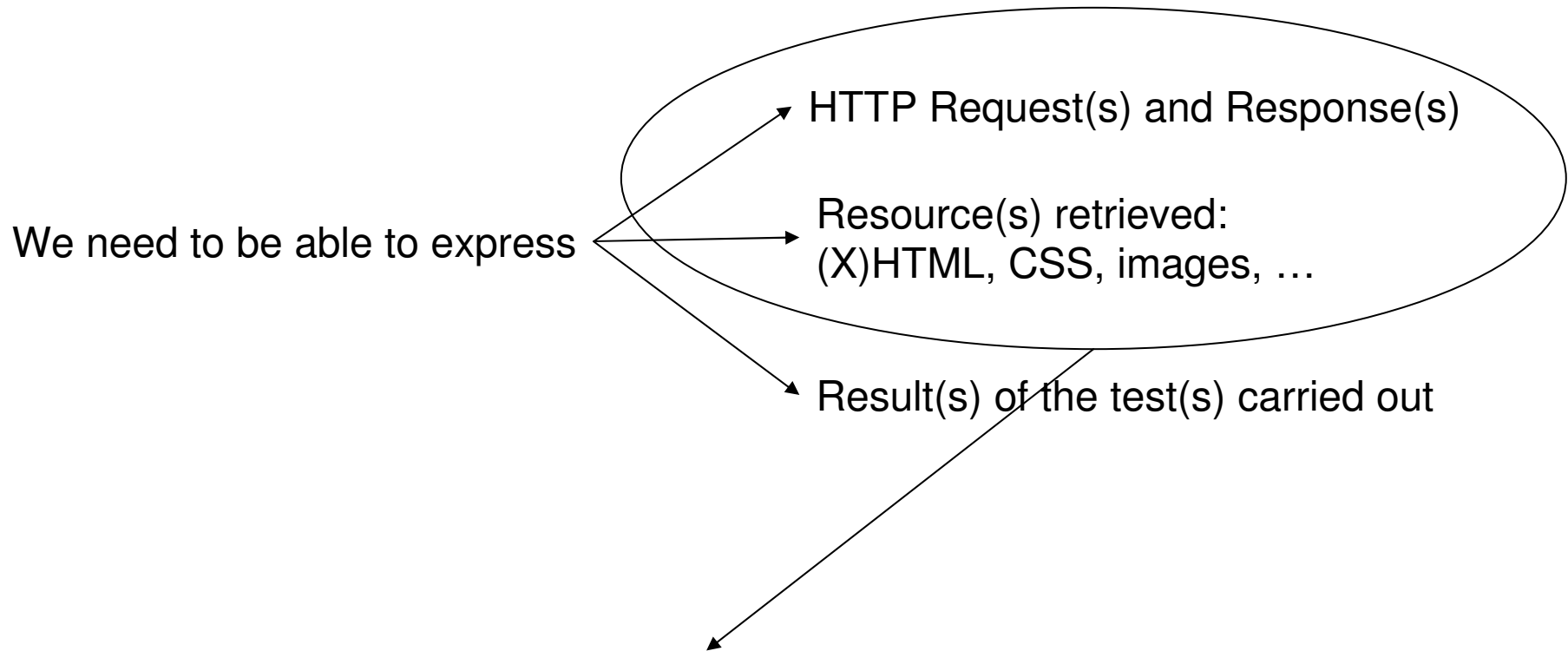
What is this Task Force about?

W3C mOK Checker Task Force started as a subset of members of the MWI BPWG which works in public (welcoming anyone else to join)

GOAL: Create an example implementation of what a mOK checker is, do it open-source, and as extensible, scalable and SIMPLE as possible

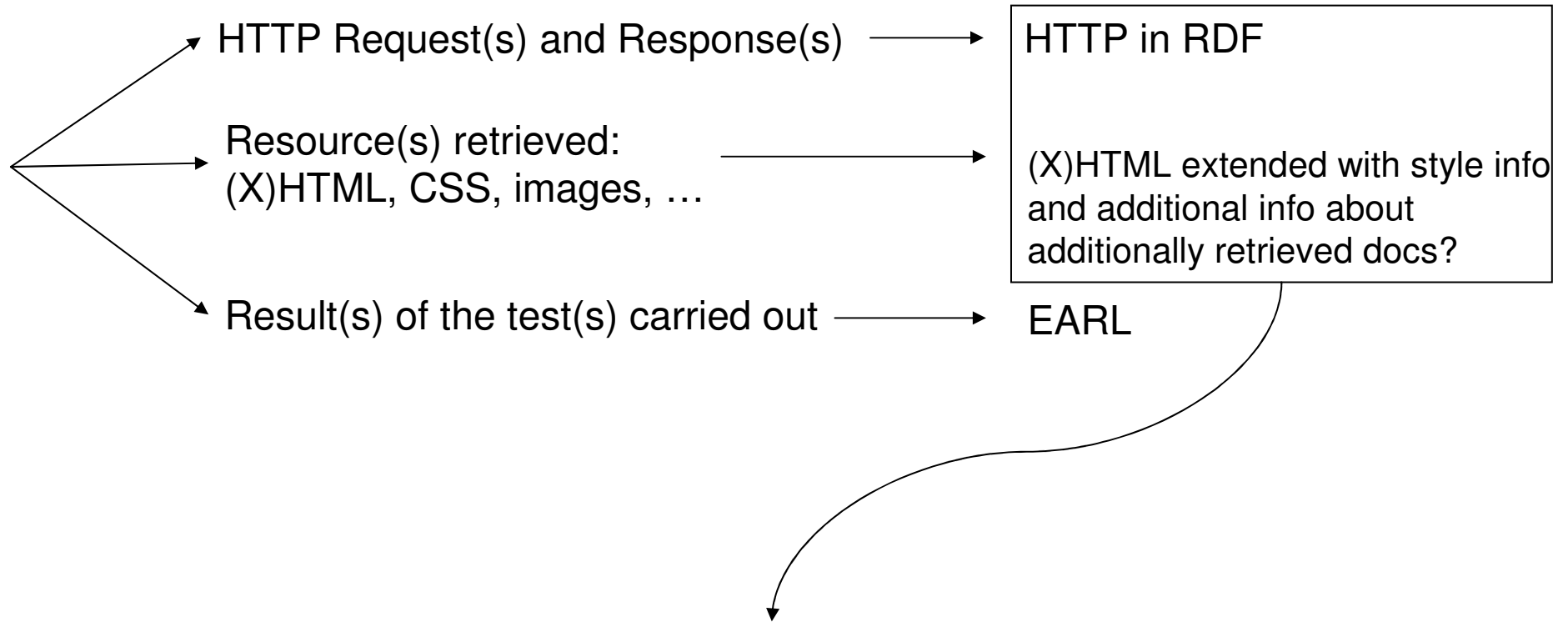
NEVER meaning to be mandatory (source and documentation will clarify which parts of the software are mandatory per mOK Tests W3C Rec and which ones are implementation decisions)

What do we need for a mOK Checker?



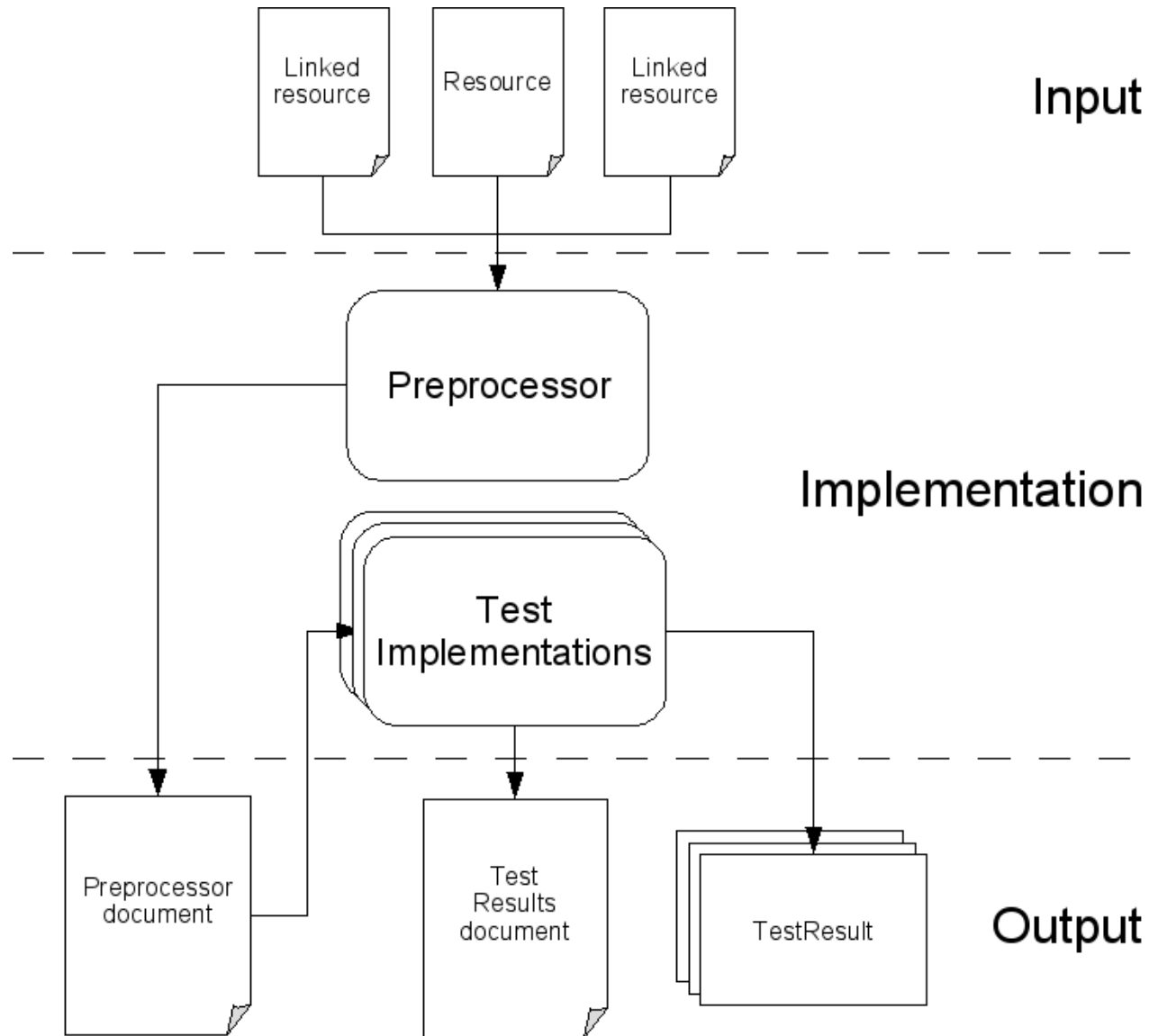
It would be great to have an **INTERMEDIATE FORMAT** including all this information (i.e., the context in which mOK test(s) will be carried out) so people can implement mOK checkers by means of the modules of “our” checker that extract all that information into such intermediate format

Tools to express all that information



This means an **INTERMEDIATE FORMAT** with some RDF and some XML

Basic architecture of mOK Checker



Problems

XPath is problematic when used with XML serialization of RDF

SPARQL can be used, but all the intermediate document should be RDF



Possible solution

HTTP-in-XML 😊 so everything in the intermediate document is XML and thus XPath can be used (keep it simple...)

Enter MOKI Document Format

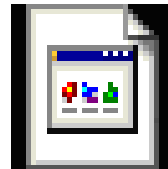
MOKI: Mobile OK Intermediate Document Format

SEE MINDMAP

([http://lists.w3.org/Archives/Public/public-mobileok-checker/2007Apr/att-0009/Intermediate Document Format.svg](http://lists.w3.org/Archives/Public/public-mobileok-checker/2007Apr/att-0009/Intermediate_Document_Format.svg))

Enter MOKI Document Format

MOKI: Mobile OK Intermediate Document Format



moki-example-20070419.xml

(<http://lists.w3.org/Archives/Public/public-mobileok-checker/2007Apr/att-0047/moki-example-20070419.xml>)

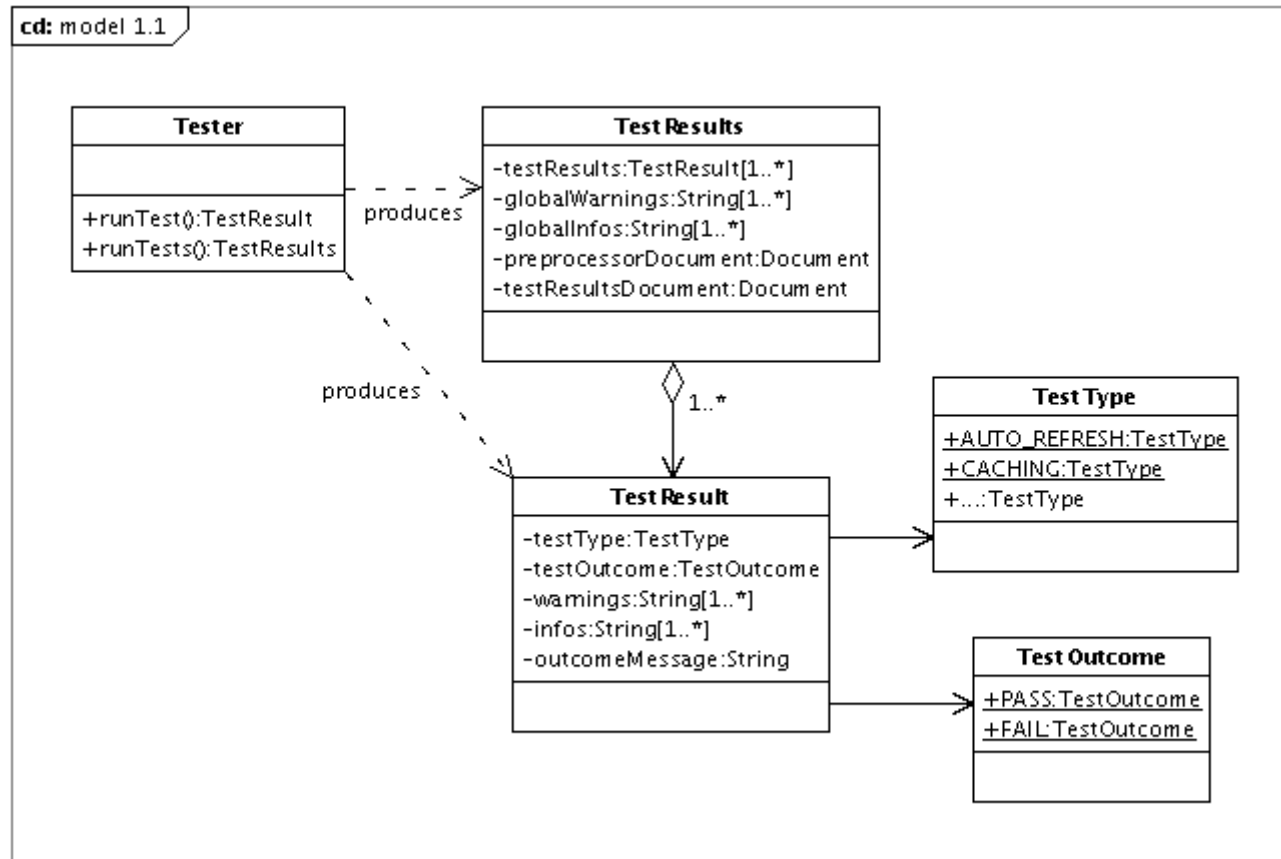
Current state

Defining moki Schema

Defining software architecture

Software “skeleton” by Sean: additions about to be started by the rest of the TF

Current state



Ongoing discussions (I)

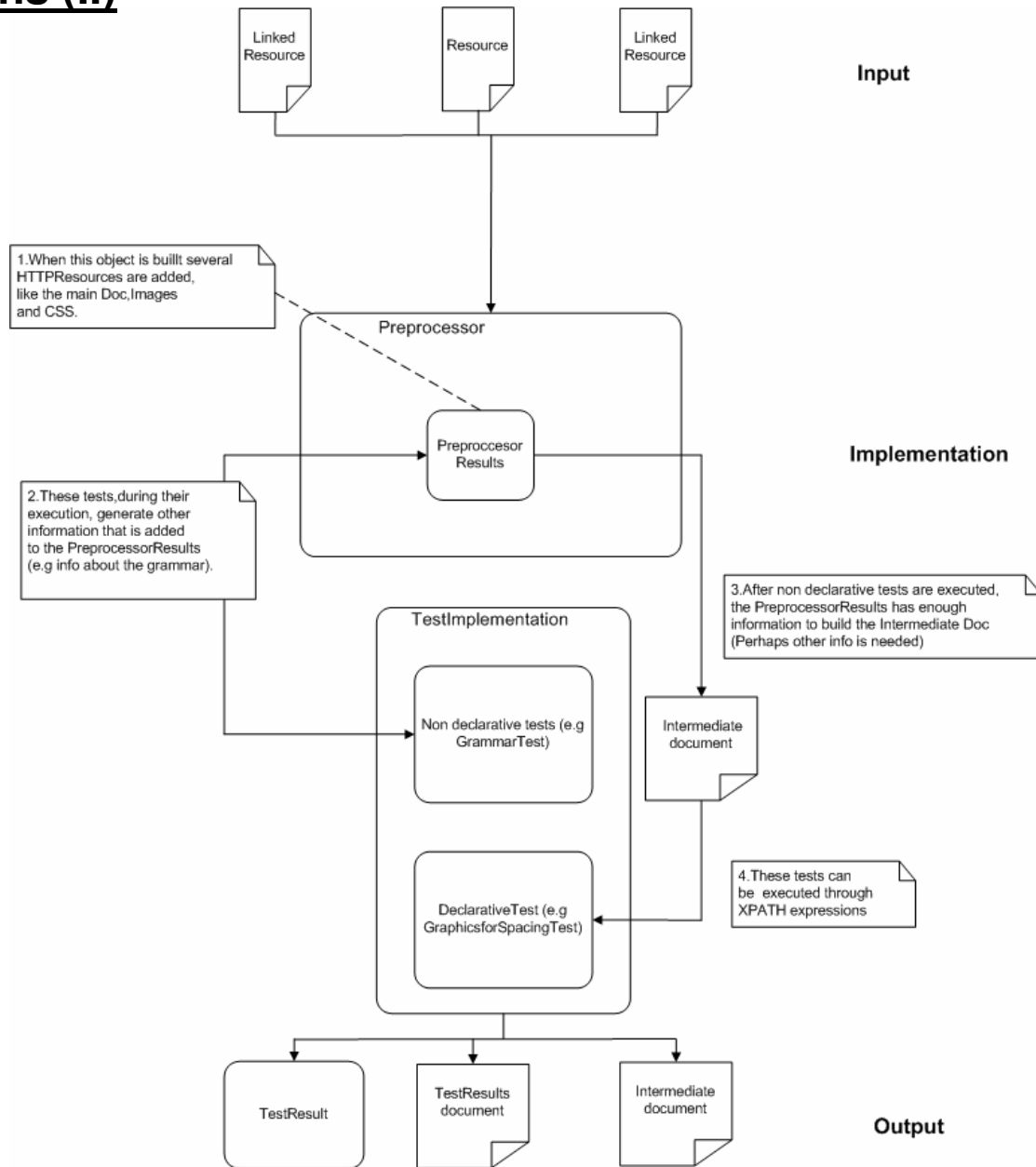
Shadi:

- Wants to know the problems with HTTP-in-RDF and try to see if ERT WG can do something with XML compatibility
 - Use parts of EARL to describe parts (external libraries) of the checker (earl:Software)
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Sean:

- EARL is an application of RDF. There is already an XML schema for the earl: namespace. As applied to describing HTTP, it happens to also fit the tree-oriented model of XML already. That is it makes sense as XML too already. Why do we need another schema? is it that we need to impose tighter constraints on ordering?
- Which means: let's reuse the earl: namespace

Ongoing discussions (II)



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Thanks for your attention