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WEB SERVICES
INTEROPERABILITY
ORGANIZATION

Promoting Web Services Interoperability Across Platforms,
Applications and Programming Languages

Basic Profile 1.0

August 12, 2003

WS-I GOALS

- **Achieve interoperability**
  - Integrate specifications
  - Promote consistent implementations
  - Provide a visible representation of conformance

- **Encourage adoption**
  - Build industry consensus to reduce early adopter risks
  - Provide a forum for end users to communicate requirements
  - Raise awareness of customer business requirements

- **Accelerate deployment**
  - Offer implementation guidance and best practices
  - Deliver tools and sample applications
  - Provide a implementer's forum where developers can collaborate

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THE WS-I VALUE PROPOSITION

- **For vendors**

  ▸ Meet customer demand for interoperability

- **For developers**

  ▸ Leverage the expertise of other developers

  ▸ Offer tools and best practices to speed implementation

- **For end-user companies**

  ▸ Reduce the costs and risks of adopting Web services

  ▸ Ensure that business requirements are met

  ▸ Accelerate interoperable products and solutions to market

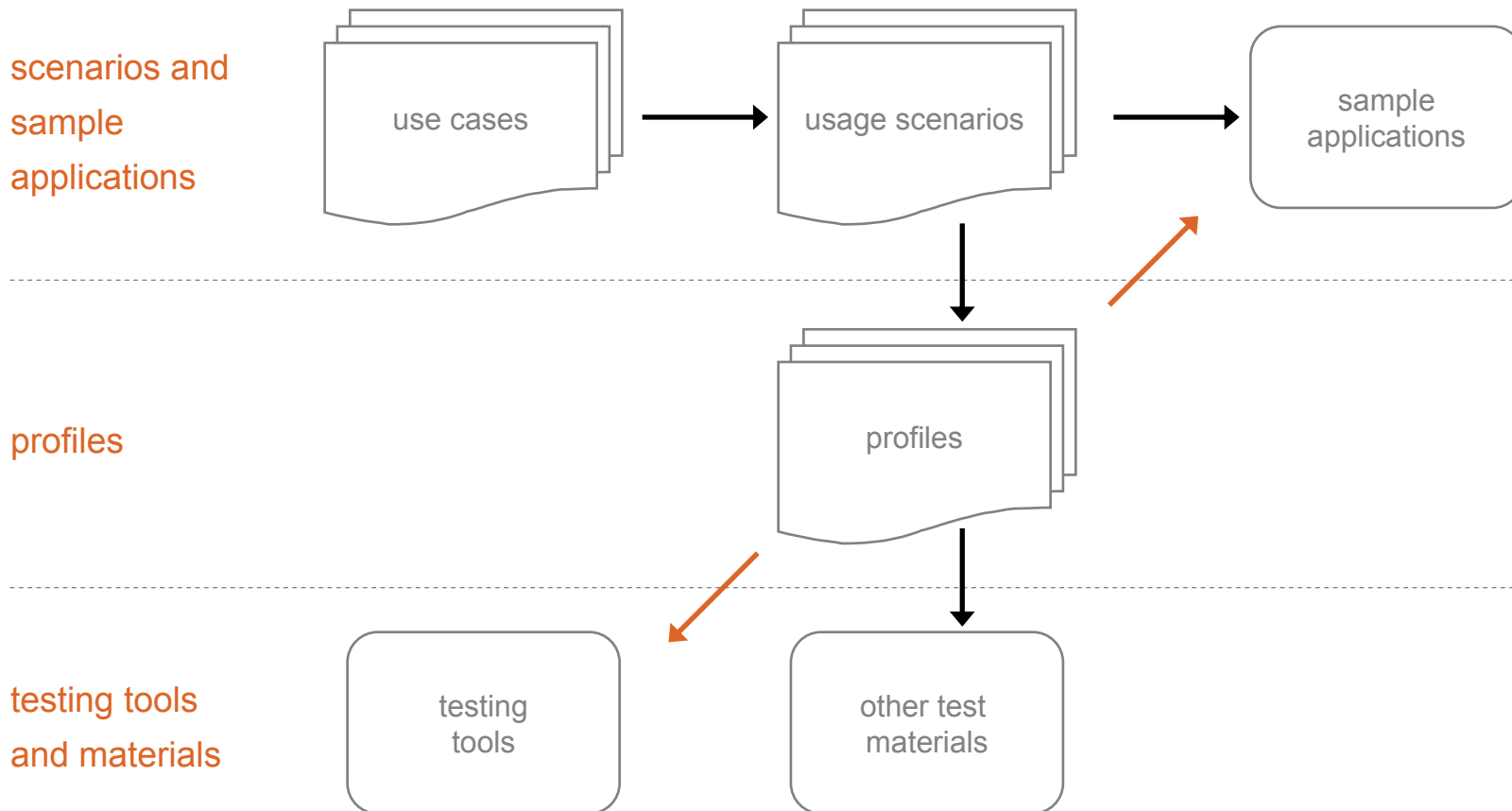**WS▸I**

WS-I DELIVERS BASIC PROFILE 1.0

- **What is a profile?**
  - ▸ A set of specifications at specific version levels
  - ▸ Guidelines and conventions for using the specifications together
- **What is the Basic Profile 1.0?**
  - ▸ SOAP 1.1, WSDL 1.1, UDDI 2.0, XML 1.0, XML Schema and HTTP 1.1
  - ▸ More than 200 interoperability issues resolved
  - ▸ Conventions around messaging, description, discovery such as:
    - – Deprecation of RPC-encoded (use schema as the interoperable type system)
    - – Support and guidelines for RPC/lit
    - – Unique signatures for input messages
    - – Fault and error handling clarifications

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THE BUSINESS VALUE OF BASIC PROFILE 1.0

- **Reduces cost, complexity and risk**
  - ▸ Provides confidence in interoperability
  - ▸ Common implementation guidelines

- **Improves productivity**
  - ▸ Eases collaboration, both internally and with business partners
  - ▸ Allows companies to focus on added value, not basic plumbing

- **Simplifies buying decisions**
  - ▸ Look for the WS-I logo

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RELATIONSHIP OF WS-I DELIVERABLES

scenarios and sample applications

use cases → usage scenarios → sample applications

profiles

profiles

testing tools and materials

testing tools

other test materials

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ASSOCIATED 1.0 DELIVERABLES

- **Available now**
  - Sample applications 1.0 documentation
    - Technical architecture, use cases and usage scenarios
  - Draft testing tools (v0.96)
- **Coming soon**
  - Testing tools 1.0
    - Candidate Approval Draft frozen for functional spec, test assertions and binaries
    - Entering board approval cycle shortly
  - Sample application 1.0 packages
    - Ten vendors with interoperating implementations, more to come
    - Currently in candidate approval cycle
  - Sample applications showcase site
    - Hosted sample applications used to demonstrate interoperability

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USE OF DELIVERABLES

- **The public is free (and encouraged) to**
  - ▶ Download, use, and display the Basic Profile
  - ▶ Download and use test tools and material to test their applications
  - ▶ Download, use, modify, and redistribute WS-I sample applications

- **Adopters may (in addition to the above)**
  - ▶ Reproduce and redistribute specifications with their products

- **Members may (in addition to all of the above)**
  - ▶ Ship test tools and material (as is or modified) within their products

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ADOPTION OF BASIC PROFILE 1.0

- **More than 25 companies have announced their support for the Basic Profile 1.0**

- **Sun has announced that J2EE 1.4 will support Basic Profile 1.0**

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ROADMAP AND FUTURE WORK

- **Coming soon**
  - ▸ Attachments
  - ▸ Basic Security Profile

- **Future work**
  - ▸ As the industry comes to some consensus around specifications for Web services reliability, orchestration, etc., WS-I will investigate potential interoperability issues and determine whether or not a new profile (or modification of existing profile) is warranted

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