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**Information technology — Web Services
Interoperability — WS-I Attachments
Profile Version 1.0**

*Technologies de l'information — Interopérabilité des services
du Web — Profil des fichiers joints WS-I, version 1.0*

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 29362 was prepared by the Web Services Interoperability Organization (WS-I) and was adopted, under the PAS procedure, by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, in parallel with its approval by national bodies of ISO and IEC.

This corrected version of ISO/IEC 29362:2008 includes characters which were missing from the sample code in 3.1, 3.4 and 4.4 of the original version.

Information technology — Web Services Interoperability — WS-I Attachments Profile

Version 1.0

1 Scope and introduction

1.1 Scope

This International Standard defines the WS-I Attachments Profile 1.0 (hereafter, "Profile"), consisting of a set of non-proprietary Web services specifications, along with clarifications to and amplifications of those specifications that are intended to promote interoperability. This profile complements the WS-I Basic Profile 1.1 to add support for conveying interoperable SOAP Messages with Attachments-based attachments with SOAP messages.

SOAP Messages with Attachments (SwA) defines a MIME multipart/related structure for packaging attachments with SOAP messages. This profile complements the WS-I Basic Profile 1.1 to add support for conveying interoperable SwA-based attachments with SOAP messages.

Section 1 introduces the Profile, and explains its relationships to other profiles.

Section 2, "Profile Conformance," explains what it means to be conformant to the Profile.

Each subsequent section addresses a component of the Profile, and consists of two parts: an overview detailing the component specifications and their extensibility points, followed by subsections that address individual parts of the component specifications.

1.2 Relationship to other Profiles

This Profile adds support for SOAP with Attachments and MIME bindings, and is intended to be used in combination with the Basic Profile 1.1.

1.3 Notational Conventions

The keywords "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as in [RFC2119](#).

Normative statements of requirements in the Profile (i.e., those impacting conformance, as outlined in "[Conformance Requirements](#)") are presented in the following manner: