

**Accredited Standards Committee
INCITS, International Committee for Information Technology Standards**

Doc. No: V1-N2007-70

Project:

Ref.Doc.: V1-N2007-67

Title: Ballot on Foreign Comments Results

Reply to:

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TO: V1 Members

SUBJECT: Vote to approve ad hoc committees recommendation of two (2) foreign body comments as meriting special attention by the US delegation to the BRM on DIS 29500.

A letter ballot was issued on 21 December 2007 with the following language for approval:

Statement: The ad hoc on comments on DIS 29500 recommends approval of the following foreign body comments on DIS 29500 as meriting special attention from the US delegation to the BRM on DIS 29500:

GB-0003*: It must be possible to process data within office documents using standard tools for processing XML files, including tools that can process XML Schema Datatypes. In many cases the same sort of data is recorded in different ways in the various sections of the DIS. Obvious examples are the way in which dates are recorded in word processing documents and spreadsheets, and the way binary data is identified. It must be possible to identify and record an XSL processable form of every datatype represented in an OOXML document. For example, every element recording a date should be qualified with an attribute whose value is a processable xsd:date (or xsd:dateTime) representation of the recorded date. All integer, real and currency datatypes that are referenced in spreadsheet formulas should also be appropriately datatyped. Similarly every element containing binary data, or extensions that need to be processed using a non-XML processor, should have an attribute that records the MIME type of the data to be processed. This suggestion does not imply that all data that is processed as strings should need to be datatyped (as it is in languages such as the Web Ontology Language OWL).

*Except that data values for spreadsheets are treated differently than in other types of documents and so to that extent, the UK comment should recognize that fact. V1 expresses no opinion on the range of options for answering this comment.

GB-0621*: The OOXML XML Schemas use xml:import incorrectly. Stylesheets contain multiple import statements, each giving the same namespace, but different schemaLocation hints. It is ambiguous whether this is legal XML Schema, but it goes against the intention of the XML Schema specification (Noah Mendelsohn), is not supported by several major validation tools (e.g. XSV, Xerces 2.9, at least some versions of Tibco Turbo, and older versions of MSXML), and is not an approach

recommended by XML Schema experts (Jeni Tennison, Michael Kay).

*V1 expresses no opinion on the range of options for answering this comment.

The result of the letter ballot was as follows:

3Sharp – Yes
BlackBird Technologies – Yes
Farance – Yes
IBM – Yes
Ligent – Yes
Microsoft – Yes
NextPage – Yes
Oracle – Yes
Peters and Associates – Yes
Red Hat – Yes
Snowfall – Yes
Sun Microsystems – Yes
Text Structure - Yes
US DoD/DISA – Yes
Y-12 – Yes

Final tally: 15/0/0/8/23