Telecommunications and Information Exchange Between Systems

ISO/IEC JTC 1/SC 6

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Template for comments and secretariat observations

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1	3	(4)	5	6	(7)	(8)
MB[1]	**Clause No./ Subclause No./ Annex** (e.g. 3.1)	**Paragraph/ Figure/Table/Note** (e.g. Table 1)	**Type of com-ment**[2]	**Comment (justification for change) by the MB**	**Proposed change by the MB**	**Secretariat observations** on each comment submitted
FR	all		Ge	Le Fast Track DIS ISO/IEC DIS 25437 WS-Session refers to the WS-Eventing that is not yet approved at W3C level.		Accepted see Ecma-1
FR	all		Ge	It appears that the WS-Eventing used makes the WS-Session non compliant with the WS-I Basic profile		Noted, see JP02

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US1	3 References	Normative References	TE major	FAST Track DIS pointing to a W3c member submission: WS-Eventing The FAST Track submitter might have the assumption that the existing WS-Eventing will eventually get approved by some SDO and therefore its ok to refer to it because once its approved by W3C they will somehow solve this 'bad ref' problem. WS-Eventing uses WSDL in a manner which does not comply with the WS-I Basic profile. Due to the reference to and use of WS-Eventing, WS-Session is not BP compliant, which mean it will not work in BP-compliant tooling/runtimes - ie. jaxws. Due to this and other problems, while WS-Eventing is going thru w3c the output of that WG (WSRA) will produce a spec that is not the exact same thing as today's WS-Eventing - if nothing else it will have a new namespace which means an existing WS-Session impl will not be compatible with a W3C WS-Eventing implementation. This means that WS-Sessions would need to have a v2 (that refers to this new WS-Eventing - ie. a breaking change) to fix this - it will not come for free once the w3c is done.	Remove reference to and use of WS-Eventing.	Accepted per Ecma-1.
US2	2 Conformance and Annex A	Clause 2, Para 2 and Annex A para 1	TE major	Conformance requirements for two event distribution specs is unclear Rationale: As current worded it implies a requirement that both clients and services support and use both WS-E and WS-N. Having a service implementation able to support both options might be acceptable, however, it can be read to imply that a client "shall" subscribe using both - meaning it needs to subscribe twice, once with ws-e and once with ws-n.	If WS-Eventing reference and use remains in the standard, clarify static conformance requirments so that WS-Session does not require implementation of WS-Eventing.	Accepted per Ecma-1.

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				Annex A says: "The Service Provider shall implement the wse:SubscribeOp operation... ". and Annex B says: "The Service Provider shall implement the wsnt:Subscribe operation.... " and it says this w/o some conditional text like "If WS-eventing is being used then....". However, rechecking section 7, it says: "The Service Requester shall subscribe to receive the event notification from the Service Provider according to the event subscription mechanism of the Service Provider. " This could be read as a run time option or a static conformance conditional part. However, the Annexes could be taken to imply that both are required.		
US3	5, Annex A and Annex B	Schemas		The actual schemas reference multiple versions of WS-Addressing The bas Notification references are to a ratified OASIS Standard. BaseN and WS-Sessions requires the REC version of WS-Addressing WS-Eventing forces people to use the old WSA while BaseN and WS-Sessions requires the REC version	If WS-Eventing reference and use are retained, WS-Sessions must reconcile how both versions of WS-Addressing can be used in a conformant manner.	Accepted per JP12 .

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US4	6 WSDL Binding Description	Wsdl:binding element definition	TE major	Invalid WSDL binding name attribute Rationale: The wsdl binding has the line <binding name="xs:nmtoken" type="wss:ApplicationSessionServicesPortType"> This is erroneous. the binding needs a name which is an nmtoken, the string"xs:nmtoken" is not an nmtoken because it has a : char in it.	Change WSDL definition to use a valid binding name for the port type.	Clarify per JP13
US5	1 Scope	Para 1	GE	Rationale: Part of WS-Session reinvents an existing standard (WS-Coordination). They really should have looked at reusing that spec (an oasis standard) instead of redoing that work.	Add a reference to WS-Coordination, and add a section to the scope to explain why this WS-Session spec is necessary, given the existence of OASIS Standard WS-Coordination.	Clarified per JP1
US6	7	Para 5 Subscription message	TE minor	Use of a sessionID header on a Subscribe() – Rationale: It seems that it should really be a Subscription filter instead since its part of the pub/sub mechanism and not part of the WS-Addressing/routing mechanism. Referring to this text: “The aps:sessionID element shall be the first level child element of the subscription endpoint reference parameters [WS-Addressing 1.0], and the element is bound to the SOAP message as a header block as defined in Clause 6. “ This seems to be a mis-use WS-Addressing? Reference parameters are not intended to be used for identification. If this is meant to act as some kind of filtering then it needs be part of the wse:Filter element.	Either change specification to use filter mechanism for sessionID, or explain how WS-Sessions extends WS-Addressing by adding Identity semantics to WS-Addressing Endpoint References.	Accepted per JP14

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JP01			ge	Part of DIS25437 (WS-Session) reinvents an existing standard (WS-Coordination). They really should have looked at reusing that spec (an oasis standard) instead of redoing that work.	Make clear the difference between WS-Coordination and WS-Session, and explain why this WS-Session is necessary.	Noted. ISO/IEC 25437 (WS-Session) is a web service realization of ISO/IEC 22534. ISO/IEC 22534 and WS-Session have to satisfy the specific requirements of ISO/IEC 18051 applications. Therefore, this standard does not reinvent WS-Coordination.
JP02	3		te	SOAP 1.1 and WSDL 1.1 are mentioned and both of them are W3C NOTEs. To assure interoperability of them, WS-I Basic Profile Version 1.1(ISO/IEC 29361), WS-I Attachments Profile Version 1.0(ISO/IEC 29362) and WS-I Simple SOAP Binding Profile Version 1.0(ISO/IEC 29363) have been developed.	Three international standards; WS-I Basic Profile Version 1.1(ISO/IEC 29361), WS-I Attachments Profile Version 1.0(ISO/IEC 29362) and WS-I Simple SOAP Binding Profile Version 1.0(ISO/IEC 29363), should be included.	ISO/IEC 25437 requires an outbound operation in the abstract WSDL, therefore ISO/IEC 29361 cannot be included. ISO/IEC 29361 disallows outbound operations for lack of a standard binding mechanism. ISO/IEC 25437 addresses this concern by specifying a concrete binding using WS-BaseNotification. ISO/IEC 25437 requires only an abstract SOAP binding template, whereas ISO/IEC 29363 specifies concrete SOAP bindings, therefore ISO/IEC 29363 is not included. Since ISO/IEC 25437 does not use SOAP Attachments, ISO/IEC 29362 is not applicable.

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JP03	2		te	In DIS25437, 2 methods namely, WS-Eventing and WS-BaseNotification, are listed for event notification and it is set in “2. Conformance” as a conformance requirement that “The Service Provider implements at least one of the WS-Eventing and WS-BaseNotification event subscription Options”. WS-Eventing, however, is only under proposal (W3C member submission) and has not become a W3C recommendation (consensus by W3C members are not achieved yet). DIS25437 might have the assumption that the existing WS-Eventing will eventually get approved by some SDO and therefore it ok to refer to it because once its approved by W3C they will somehow solve this 'bad ref' problem. WS-Eventing uses WSDL in a manner which does not comply with the WS-I Basic Profile (ISO/IEC 29361). Due to the reference to and use of WS-Eventing, WS-Session is not compliant with the Basic Profile, which means it will not work in BP-compliant tooling/runtimes - ie. jaxws. Due to this and other problems, while WS-Eventing is going thru W3C the output of that WG (WSRA) will produce a spec that is not the exact same thing as today's WS-Eventing - if nothing else it will have a new namespace which means an existing WS-Session implementation will not be compatible with a W3C WS-Eventing implementation. This means that WS-Session would need to have a v2 (that refers to this new WS-Eventing -ie. a breaking change) to fix this - it will not come for free once the W3C is done.	All description about WS-Eventing (which are included in Introduction, 1, 2, 3, 4, 6, 7, Annex A, Annex C, Annex E, Annex F, Annex H) should be deleted and only WS-BaseNotification which is OASIS standard should be supported.	See Ecma-1 and JP02.
JP04	7.	2	te	There is an explanation as the following; “It shall provide the event sink URI as defined in Annex A and B”. The term “event sink” is defined in WS-Eventing and, therefore, this explanation is not appropriate as the term is not used in WS-BaseNotification1.3. Furthermore, WS-	Another term which corresponds to “event sink” should be defined properly in this specification.	Accepted. Use “notification consumer” instead of “event sink” in the body. And map “notification consumer” to “event sink” in the WS-E

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				Eventing should be removed from this specification as described in JP03 and the term “event sink” should not be used.		Annex.
JP05	4.1		te	Although the term “Application Session” is used in DIS25437, there is no proper term definition while there is an explanation about “Application Session” in ISO/IEC 22534:2005 (ECMA-354), the original specification for which the Web-Service is specified. Terms currently defined in "4.1 Terms and Definitions" include terms which are re-defined by assuring that the terms of ISO/IEC 22534 such as “Service Requester" and “Service Provider” comply with Web-Service.	“Application Session” should also be re-defined in DIS25437 as a term of Web-Service. The term “Application Session”, by the way, is used in cover title, Introduction, title of the specification, 1, 3, 7, E.1.2 and E.3.2. In addition to these, the term is used in operation name, namespace name and file name in the form “ApplicationSession***”	Accepted. Add “Application Session” to the clause 3 “Terms and Definitions” of ISO/IEC 25437 and refer to ISO/IEC 22534:2005 for definition.
JP06	4.2		te	There is the following explanation in “4.2 Namespaces”. This International Standard uses these Ecma prefixes and namespaces: 1. aps (http://www.ecma-international.org/standards/ecma-354/appl_session): This International Standard imports all XML messages defined in ISO/IEC 22534 from the aps namespace. 2. wss (http://www.ecma-international.org/standards/ecma-366/ws-session/ed2): The WSDL target namespace for this International Standard. 3. gsk (http://www.ecma-international.org/standards/ecma-366/ws-session/ed2/generic_sink): The target namespace of the wrapped sink WSDL. Concern remains as DIS25437 assumes the use of Ecma namespace and version management is not considered.	To make DIS25437 an ISO standard, namespace URIs should be re-defined using ISO URL.	Noted. To avoid confusion and undue complexity between the source Ecma standards and their ISO/IEC equivalents, the Ecma namespace URIs must be used for both technically aligned standards. Ecma namespace URIs contain edition numbers for version management.

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JP07	5. 6.		te/ed	The following two namespace declarations are made in the definition of Service Provider WSDL using namespace URI that indicate ECMA as pointed in JP06. xmlns:aps="http://www.ecma-international.org/standards/ecma-354/appl_session" xmlns:wss="http://www.ecma-international.org/standards/ecma-366/ws-session/ed2" By the way, ecma-345 in namespace URI used in namespace declaration of xmlns:wss in 6. is a typographic error and it should be ecma-366.	Description should be revised with the namespace URI using ISO URL in accordance with the modification requested in JP06 is implemented. And the following typographic error should be corrected. [Error]: xmlns:wss="http://www.ecma-international.org/standards/ecma-354/ws-session/ed2" [Correct]: xmlns:wss="http://www.ecma-international.org/standards/ecma-366/ws-session/ed2"	Accepted. Fix the namespace typo.
JP08	5.		te	Four schemas a imported in the definition of Service Provider WSDL using namespace URI which indicates ECMA as pointed in JP06 <xs:import namespace="http://www.ecma-international.org/standards/ecma-354/appl_session" schemaLocation="http://www.ecma-international.org/standards/ecma-354/appl_session/start-application-session.xsd"/> <xs:import namespace="http://www.ecma-international.org/standards/ecma-354/appl_session" schemaLocation="http://www.ecma-international.org/standards/ecma-354/appl_session/stop-application-session.xsd"/> <xs:import namespace="http://www.ecma-international.org/standards/ecma-354/appl_session" schemaLocation="http://www.ecma-international.org/standards/ecma-354/appl_session/reset-	appl_session/start-application-session.xsd, stop-application-session.xsd, reset-application-session-timer.xsd and application-session-terminated.xsd should be all moved to ISO site and this import description of WSDL should also be changed together.	See response to JP06.

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				application-session-timer.xsd"/> <xs:import namespace="http://www.ecma-international.org/standards/ecma-354/appl_session" schemaLocation="http://www.ecma-international.org/standards/ecma-354/appl_session/application-session-terminated.xsd"/> However, these WSDL files exist in ECMA site.		
JP09	6.		te	The following WSDL file is imported in the definition of SOAP Binding of Service Provider WSDL using namespace URI which indicates ECMA as pointed in JP06. <import namespace="http://www.ecma-international.org/standards/ecma-366/ws-session/ed2" location="http://www.ecma-international.org/standards/ecma-366/ws-session/ed2/ws-session-wsdlabstract-definitions.wsdl" /> However, this WSDL file exists in ECMA site.	ws-session-wsdlabstract-definitions.wsdl should be moved to ISO site and this import description of WSDL should also be changed together.	See response to JP06.
JP10	A.1		te	The following namespace declaration is made in the definitions of Event Sink WSDL and SOAP binding using namespace URI which indicates ECMA as suggested in JP06. xmlns:gsk="http://www.ecma-international.org/standards/ecma-366/ws-session/ed2/generic_sink"	Description of "http://www.ecma-international.org/standards/ecma-366/ws-session/ed2/generic_sink" should be revised with the namespace URI using ISO URL in accordance with the modification requested in JP06 is implemented.	See response to JP06.
JP11	E.4.2		te	The following namespace declaration is made as an	Description of "http://www.ecma-	See response to JP06.

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				example of SOAP message of event notification of ApplicationSessionTerminated using namespace URI which indicates ECMA as pointed in JP06. xmlns:gsk="http://www.ecma-international.org/standards/ecma-366/ws-session/ed2/generic_sink"	international.org/standards/ecma-366/ws-session/ed2/generic_sink" should be revised with the namespace URI using ISO URL in accordance with the modification requested in JP06 is implemented.	
JP12	3.		te	The actual schemas reference multiple versions of WS-Addressing. The bas Notification references are to a ratified OASIS Standard. BaseN and WS-Session requires the REC version of WS-Addressing. WS-Eventing forces people to use the old WSA while BaseN and WS-Session requires the REC version.	If WS-Eventing reference and use are retained, WS-Session must reconcile how both versions of WS-Addressing can be used in a conformant manner.	Accepted. Require WS-E to only use WS-Addressing 1.0 (REC version).
JP13	6.		te	Invalid WSDL binding name attribute. The wsdl binding has the line <binding name="xs:nmtoken" type="wss:ApplicationSessionServicesPortType"> This is erroneous. the binding needs a name which is an nmtoken, the string"xs:nmtoken" is not an nmtoken because it has a : char in it.	Change WSDL definition to use a valid binding name for the port type.	This is not an error because this WSDL in Clause 6 is not an actual binding specification but a SOAP binding template that uses XML Schema to define the data types. To clarify, replace the second sentence in Clause 6 with "The binding template uses XML Schema data types instead of values for some attributes. Any actual SOAP binding to a transport shall contain elements and attributes in this binding template where the attributes shall be substituted by permitted values."
JP14	7.		te	Use of a sessionID header on a Subscribe() It seems that it should really be a Subscription filter	Either change specification to use filter mechanism for sessionID, or explain how WS-Session extends WS-Addressing by adding Identity semantics to	Accepted. Agreed that the opaqueness of reference parameters should be

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				instead since its part of the pub/sub mechanism and not part of the WS-Addressing/routing mechanism. Referring to this text: "The aps:sessionID element shall be the first level child element of the subscription endpoint reference parameters [WS-Addressing 1.0], and the element is bound to the SOAP message as a header block as defined in Clause 6. "this seems to be a mis-use WS-Addressing? Reference parameters are not intended to be used for identification. If this is meant to act as some kind of filtering then it needs be partof the wse:Filter element.	WS-Addressing Endpoint References.	maintained. Therefore, use "/wsa:EndpointReference/{any}" extension mechanism instead for the sessionID element.

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National Committee	Clause/ Subclause	Paragraph Figure/ Table	Type of comment (General/ Technical/Editorial)	COMMENTS	Proposed change	OBSERVATIONS OF THE SECRETARIAT on each comment submitted
Ecma-1	2	2	Te	W3C's Web Service Resouce Access Working Group is developing the WS-Eventing (WS-E) into a W3C Recommendation. Therefore, Ecma suggests that ISO/IEC 24437:2009 refers to WS-Eventing as Informative instead of as an (Normative) Option.	Move all references to WS-Eventing (WS-E) from the body of DIS 25437:2009 to the self-contained WS-Eventing annex, which then becomes Informative. This change would be implemented such that WS-BaseNotification remains an (Normative) Option (unchanged).	Accepted