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ISO/IEC JTC 1/SC 32/WG 2

**Data Management and Interchange
Working Group 2
Metadata**

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JTC 1/SC 32/WG 2 Study Group Rationale
8 June 2012, Berlin, Germany

SC32 WG2 met in Berlin, Germany to discuss programme of work.

Study Group on Cloud Computing Metadata:

Ewelina Szczekocka (PL), Baba Piprani (CA) and Sungjoon Lim (KR) presented progress on study of metadata for Cloud Computing and presented materials submitted in WG2 N1648, with supporting materials in WG2 N1666, WG2 N1665. The high level need for metadata to describe services in the cloud was presented along with examples of the kinds of services offered by cloud service providers. This was very helpful, but more work is needed before a new work item can be proposed. The group was asked to look into what kind of metadata is available for existing cloud computing service providers for each of the different kinds of cloud services and begin to formulate a possible metamodel, determine if one model for cloud services is possible, or if each kind of service needs its own standard. It was noted that 19763-7 and SaaS (Software as a service) have significant overlap, and that standards being created by SC38 also need to be evaluated and harmonized. Any new requirements for SaaS metadata that come from the group's analysis should be given to 19763-7 project editor.   For these reasons, it is requested that JTC1 SC32 request approvl of a Study Group to be convened by Baba Piprani (CA) for one year.

Study Group on Metamodel for Fact Based Modelling:

Baba Piprani (CA) and Valera Serge in WG2N1640 presented a working draft as a proposal for a project split for fact based models based on TR 9007. It appears that fact based models are a different approach to modeling information than the entity/attribute types of models covered by the current draft of 19763-12 Information models. In order to support next generation analytics, big data and semantic web approaches to sharing data, fact based modeling using languages such as OWL and RDF may be needed to support interoperability. Registration of such models could potentially be supported by a new part of 19763. More research is needed including looking at 11179-3 Ed 3 Concept region to see if fact based models can be registered using 11179. Serge will also look at RDF to see if it is a type of fact based models, and 19763-10 to see if fact based models can fit into the framework described by part 10. An NWIP may need to be proposed. It is requested that JTC1 SC32 form a study group on Fact Based Models, convened by Baba Piprani, for one year.