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DESCRIPTION OF V1 CONTEXT AND CONTENT MANAGEMENT INFORMATION MODELS

Executive Summary

The Virtual Enterprise Collaboration Hub (VEC-Hub), which enables heterogeneous enterprises to collaborate, depends upon data structures (information models) for the exchange and sharing of information related to the products being developed within the hub.

In order to allow exchange and sharing within the collaboration hub and between its peer users, the three sub-tasks of VIVACE task 3.6.3 have the objectives of utilising and further developing an international consensus on content and context management technologies.

This version of the document (V1.0) contains surveys of current state of the art models used for context and content management. The context and content models are either standards based or provided by VIVACE member companies. The document also includes a survey of the current state of the art in binary data representation.

As a result of the surveys, the following models and technologies are recommended for further development within VIVACE task 3.6.3:

- AP233 data model and modules (ISO 10303-233) as the foundation for context/configuration management
- HDF5 as the technology for representing EXPRESS-driven large volume binary data
- EAR as the foundation for analysis content management

The document describes the modelling work and the initial extensions made to the information models during the firsts 18 months of the VIVACE project.

The document also includes and describes the planned future work within VIVACE task 3.6.3 and its sub-tasks.