



Casting Emission Reduction Program

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**US Army Task N256
ASAM ODS XML Progress Report**

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Association for the Standardization of Automation and
Measuring Systems (ASAM) Open Data System
(ODS) Standard ODS/ Extensible Markup Language
(XML) Progress Report

WBS: 3.4.4

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Association for Standardization of Automation Systems (ASAM) Open Data System (ODS) /
Extensible Markup Language (XML) / Document Type Declaration (DTD) Prototype Progress
Report

23-April-01

Reviewed and Approved by Robert E. Linn Date: 23 APR 01

A. Summary

This document is a report of the progress to date on the ASAM-ODS/XML/DTD Standards Prototype. There has been proposed a SCHEMA for the interchange of measurement and testing information to be adopted by the Open Data Services (ODS) XML Task Group of ASAM.

B. Background

Specification standards of the Association Standardization of Automation Systems (ASAM) organization that define the interfaces between software tools and measurement instruments for the storage and retrieval of data from vehicle engine calibration files, crash test data files, emissions data files, etc. Much interest, in this area, has been seen over the past few years in the automobile industry. There are six areas within the conceptual framework of ASAM. Each have there own set of specifications. Our job has been to coordinate ASAM activities and to promote these standards within the U.S. car manufacturers and their tool and instrument suppliers. The purpose of this promotion has been to standardize the interfaces to the ASAM specifications and develop a method for validation and certification of said software tools and automation systems to lower cost of production and permit interoperability between vendors.

C. Progress to Date

The declarations for the application instance elements have been modified to address concerns voiced at the XML workgroup meeting in Glashütten. There now exists a combined approach that was decided upon at the workgroup meeting in Glashütten. In order to make it work, it uses a very specific schema. An element in the schema must be defined for each different type of instance element.

There are problems with this approach in that the schema is not very generic for instance elements. Thus, this schema is not yet accepted.

ASAM ODS XML files shall not be limited to pointing to the ASAM application schema file. A suitable location on the ASAM server will need to be provided for the schema. Organizations may use their own schemas for applying additional namespaces and validation requirements.

D. Summary

This report is not complete because we are waiting on the final feedback from the U.S. auto manufacturers next month at which time the final report will be delivered.