



Casting Emission Reduction Program

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**US Army Task N256**  
**Provide Support of ASAM Technical Efforts**

**Technikon #1256-345**

This document was revised for unlimited public distribution and published on  
**6 May 2003**



**Provide Support of Association for the  
Standardization of Automation and Measuring  
Systems (ASAM) Technical Efforts Progress  
Report**

**WBS 3.4.5**

**23 April 2001**



## Association for the Standardization of Automation and Measuring Systems (ASAM) Multiple Standards Progress Report

23 April 2001

Reviewed and Approved by: William C. Walden Date: 23 Apr 01

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### A. Summary

This document is a report of the progress to date on the ASAM Multiple Standards Support task.

### B. Background

Specification standards of the ASAM organization that define the interfaces between software tools and measurement instruments for the calibration of vehicle engines and powertrains have been of great interest to the automobile industry over the past few years. There are six areas within the conceptual framework of ASAM that have their own set of specifications. During this contract, efforts have been aimed at coordinating ASAM activities and promoting these standards among 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 the software tools and automation systems to lower cost of production and permit interoperability between vendors.

### C. Progress to Date

Technikon has coordinated efforts to bring together active U.S. members of ASAM into workgroups that focus on particular specifications and the associated processes. Currently there are three active projects.

- 1). The ASAM-GDI driver for Ebench (emissions bench) implementation.
- 2). Calibration files with a common file format.
- 3). Validation and certification calibration tools.

ASAM-MCD is being used for the Measurement, Calibration and Diagnostics of engines during development, production and post-production.

Technikon has made much progress in supporting these standards by understanding the problems the U.S. automobile manufacturers are having implementing these standards into their processes. Technikon is then able to focus on solutions based on the ASAM standards. Technikon is directing meetings and the ASAM standards are being more widely employed as a result.

### D. Summary

This report is not complete. Technikon is waiting on the final feedback on the three active projects from the U.S. auto manufacturers next month at which time the final report will be delivered.