

# OASIS TECHNICAL COMMITTEE

## FORMAT OF AUTOMOTIVE REPAIR INFORMATION

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### Terms of Reference Survey of Existing Data Models

#### Document Control

<b>Document Code</b>	<b>SC2-003</b>
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<b>Date</b>	<b>29-09-02</b>
<b>Version</b>	<b>Version 1.0</b>

#### Notes:

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TC-xxx	General TC documents
SC1-xxx	Documents for sub-committee 1 – Use Cases and Requirements
SC2-xxx	Documents for sub-committee 2 – Architecture and Specification
SC3-xxx	Documents for sub-committee 3 – Terminology and Vocabulary
SC4-xxx	Documents for sub-committee 4 – Accessibility

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<b>Version</b>	<b>Note</b>
1.0	First version

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## 1. Scope

This Terms of Reference covers work to be undertaken by sub-committee SC2 – Architecture and Specification of the OASIS Technical Committee for Format of Automotive Repair Information.

The scope of the work is survey existing data models which may be suitable for the automotive repair information.

The Charter for the Technical committee (item 1) states that the scope should be to:

“Review existing data sources, structures and use of data by manufacturers and third-party users. The project will take account of similar standards or legislation adopted in other world areas”

The purpose of this study can be summarised as:

1. Survey and list all existing data models that may be suitable for the Format of Automotive Repair Information.
2. For each model, assess its suitability
3. Make a recommendation for the data model(s) that should be used to feed into the architecture design and specification, including how they should be adapted or extended

The scope of requirements for terminology and vocabulary will also depend on the architectural approach taken for the final Specification for Format of Automotive Repair Information. The possible approaches (meta data and/or content oriented) are outlined in SC2-D3 Architecture Approaches.

Note also that SC3 – Terminology and Vocabulary is undertaking a survey and investigation of existing terminology systems that may be applicable to the Format of Automotive Repair Information. There may be some overlap between that activity and this one, particularly in consideration of SAE J2008.

## 2. Deliverables

The deliverable from this work is a report (SC2-D4 – Survey of Existing Data Models).

## 3. Materials

The following materials will be used as input to the activities described in this terms of reference:

- SC1-D1 Use Case Summary contains some existing data models currently used by the industry
- This study of data models should inform the study architectural approaches (SC2-D3). However, since the two deliverables are being developed in parallel, the early draft of SC2-D3 can be used to ensure that the scope of the survey of data models includes all methods that may be applicable to the architectures being considered.

- At its first meeting on 02-08-02 members of SC2 identified possible models in use in Holland
- The chairman of the TC (Paul Greening) has been contacted by Autologic Data Systems Ltd who have developed a data model for the UK Vehicle Inspectorate

## **4. Activities and Methods**

The work covered by this Terms of Reference can be sub-divided into the following activities:

1. Identify and list the candidate data models
2. Assess the suitability of each candidate
3. Agree a recommendation of the data model(s) that should be used to feed into the architecture design and specification, including how they should be adapted or extended

### **4.1 Identify Data Models**

All members of the SC2 committee will provide input to identifying candidate data models. These will be collated and documented in a first draft of the deliverable SC2-D4 – Survey of Existing Data Models which will be circulated to the sub-committee for comment.

### **4.2 Assess Suitability of Data Models**

Develop a template set of criteria that can be used to assess the suitability of each candidate distribution medium. Circulate and agree this within the sub-committee.

Use the template to assess each of the candidate data models identified in step one. Document the assessments in a second draft of the deliverable SC2-D4 – Survey of Existing Data Models which will be circulated to the sub-committee for comment.

### **4.3 Agree a Recommendation of the Distribution Media to Use**

From the assessments in Step two, discuss and agree within the sub-committee a recommendation for the data models to be used as input to the Format of Automotive Repair Information, including a recommendation on how they could be adapted or extended.

Produce a final version of the deliverable SC2-D4 – Survey of Existing Data Models which will be circulated to the Technical Committee for comment and voted upon for issue as a project deliverable.

## **5. Interactive Working**

Members of the team working on the deliverables described in this Terms of Reference will interact using the following discussion list set up for the OASIS Technical Committee for Format of Automotive Repair Information:

autorepair-arch@lists.oasis-open.org

To sign up to this list please go to <http://lists.oasis-open.org/ob/adm.pl> enter your email address and check the box marked 'subscribe' for the list ' autorepair-arch '.

General discussion of the activities and deliverables should take place through the discussion list, which is open for scrutiny by any member of the public, and for comment by any OASIS member.

If necessary, participants in the activities may email each other directly to discuss points or issues that are not appropriate or relevant for the more open discussion list. Email addresses for the members of each of the sub-committees are contained in the overview documents

## 6. Timescale

The estimated timescale for completion of the activities and deliverables are shown in the following table.

Description	Due Date
First draft of SC2-D4 identifying data models	18-10-02
Second draft of SC2-D4 with assessment of suitability	TBA
Final version of document	TBA

Note that the original timescale was for this work to be completed by 18<sup>th</sup> October, but the timescale has been pushed out due to the late start. The date for delivery of the final version of the deliverable will be set at the face-to-face meeting on 18<sup>th</sup> October.

## 7. Responsibilities and Resources

The Programme Managers will collate input and be responsible for the production of the document SC2-D4 – Survey of Existing Data Models.

The Programme Managers will try to find a member of the sub-committee SC2 to take overall responsibility for production of the deliverable.

Each member of sub-committee SC2 will contribute to, and comment, on the draft deliverable.

Eligible members of the Technical Committee will vote to accept the final document SC2-D4 – Survey of Existing Data Models, through an email vote.