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# Introduction

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## Purpose

The Swedish Defence needs a unified and neutral way of describing all Product Data for any materiel system used by the Army, Navy and the Air Force. One important part of product data is the technical information describing the operation and maintenance of a materiel system. This information is traditionally found in paper documents or publications, where it is given a format and is presented. In this document, information describing the operation and maintenance of a materiel system (without any presentation form) is called "technical information".

The purpose of FMV Grund-DTD is to give this technical information a modularised, neutral and content oriented structure.

## Scope

FMV Grund-DTD is a Swedish name. "*FMV*" stands for *Försvarets materielverk*, or, in English, the Swedish Defence Materiel Administration. "*Grund-DTD*" is Swedish for "basic DTD", or "fundamental DTD".

It is a basic or fundamental DTD, on which other DTD's may be built for specific applications. It is also the DTD for technical information in a neutral form, separated from any application specific form. This basic, "naked" information may then be presented through a specific application for a specific purpose.

FMV Grund-DTD is developed to capture and handle the technical information, and it is aimed at the long-term preservation of technical information in a neutral form, separated from its presentation or production form. The DTD is also the specification of how technical information should be encoded when delivered to FMV.

To reduce the number of application DTDs and to enable less SGML mature parties to deliver Technical Information according to FMV Grund-DTD, the working group decided to restructure the DTD. This release the DTD is fully compatible with most editing tools on the market.

## Referenced standards

ISO/IEC 8879 "Information processing – Text and office systems – Standard Generalized Markup Language (SGML)"

ISO/IEC 10744 "Information technology – Hypermedia/Time-based Structuring Language (HyTime)"

## Ownership and usage

FMV Grund-DTD and its documentation is the property of FMV and held in trust by the FMV TDOK department. There is no additional charges or royalty connected to the FMV Grund-DTD. Users might change the structure to the DTD, but is then not allowed to use the name "FMV Grund-DTD". By using the FMV Grund-DTD, users commit themselves to give supportive feed-back. All reports on usage, applications, suggestions and critics are greatly appreciated by the FMV CALS Office and the FMV TDOK department.

## Maintenance

With this release the maintenance responsibilities are transferred from the FMV CALS Office to the FMV TDOK department. The working routines for maintenance are currently not set.

FMV Grund-DTD 2.0 deviates from its predecessors on a number of vital points. It is hence not backward compatible.

Beneficial comments are well received to the following address:

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S-115 88 Stockholm  
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## Consolidation

During the last year it became obvious that the DTD had to be fundamentally changed to support FMV personnel in the purchasing process. The extra costs involved in the creation of the application DTDs needed for editing and filters for conversions back to the 1.10 model, in combination with the extensive SGML knowledge demanded from contractors were obstacles that seriously slowed down the process of getting SGML deliveries. Therefore, the goal of this years work has been to create a DTD that was compliant with existing tools. Consequently both table definition and linking module have been abandoned.

The changes introduced in the DTD in version 2.0 are not backwards compatible.

The consolidation group:

Ulf Carlsson	FMV:UvapenS
Jarl S Magnusson	FMV:InfoSystC/FMV CALS Office
Åke Westin	FMV:InfoSystC/FMV CALS Office
Leif Karlsson	Enator Information Management
Peter Bergström	EuroSTEP AB
Joakim Erland	Sörman Information AB
Tomas Eriksson	Sörman Information AB

The DTD will now be administered by FMV:TDOKD and the consolidation group is resolved.

## About this document

This document is written in order to describe the DTD, both in an SGML technical sense – it's a description of elements, attributes and other technical aspects of the DTD – but also to describe why the DTD has been developed, and how it fits into a greater vision.

Therefore, the first chapters of this document describes the vision of CALS within the Swedish defence and the basic principles behind the DTD. These chapters are written for anybody taking interest in FMV Grund-DTD.

The following chapters and the appendices are continuously more technical, and written more specifically for people who are about to implement the DTD, or who wants to know more of its details.

Sometimes it has been inevitable to use Swedish terms in the documentation. Whenever a Swedish term or expression is used, it is indicated by an italic typeface: *svenska*.