

9

DTD files

The following are listings of the files for FMV Grund-DTD, version 2.0.

The files are, in order:

Description	Filename on diskette
<i>SGML Declarations</i>	<i>fmvgrund.dcl</i>
<i>FMV Grund DTD Main file</i>	<i>fmvgrund.dtd</i>
<i>Project Definable Attribute Values</i>	<i>projdef.ent</i>

Apart from these two files, the following Entity sets from ISO 8879:1986 are used (but not listed herein):

Clause	Description	Filename on diskette
<i>D.4.2.1 –</i>	<i>Added Latin 1</i>	<i>isolat1.ent</i>
<i>D.4.3.1 –</i>	<i>Numeric and Special Graphic Characters</i>	<i>isonum.ent</i>
<i>D.4.4.1 –</i>	<i>General Technical</i>	<i>isotech.ent</i>
<i>D.4.3.3 –</i>	<i>Publishing Characters</i>	<i>isopub.ent</i>
<i>D.4.4.2 –</i>	<i>Greek Symbols</i>	<i>isogr3.ent</i>

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SGML declarations

```

<!SGML "ISO 8879:1986"
-- Pre-release version 950601 --
-- Changes 950601 Revision 1.10 :   SHORTTAG YES --

CHARSET
  BASESET "ISO 646-1983//CHARSET International Reference Version
    (IRV)//ESC 2/5 4/0"
  DESCSET
    0    9    UNUSED
    9    2    9
    11   2    UNUSED
    13   1    13
    14   18   UNUSED
    32   95   32
    127  1    UNUSED
  BASESET "ISO 8859-1//CHARSET Right Part of Latin alphabet No. 1
    //ESC 2/13 4/1"
  DESCSET
    128  32    UNUSED
    160  96    160

CAPACITY  SGMLREF
  TOTALCAP 1000000
  ENTCAP   650000
  ENTCHCAP 650000
  GRPCAP   150000
  ATTCAP   150000
  AVGRPCAP 150000
  IDCAP    650000
  IDREFCAP 650000

SCOPE      DOCUMENT

SYNTAX
  SHUNCHAR CONTROLS 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
    18 19 20 21 22 23 24 25 26 27 28 29 30 31 127
  BASESET "ISO 646-1983//CHARSET International Reference Version
    (IRV)//ESC 2/5 4/0"
  DESCSET
    0    9    UNUSED
    9    2    9
    11   2    UNUSED
    13   1    13
    14   18   UNUSED
    32   95   32
    127  1    UNUSED
  BASESET "ISO 8859-1//CHARSET Right Part of Latin alphabet No. 1
    //ESC 2/13 4/1"
  DESCSET
    128  32    UNUSED
    160  96    160

  FUNCTION RE          13
    RS          10
    SPACE       32
    TAB   SEPCHAR 9
  NAMING  LCNMSTRT " "
    UCNMSTRT " "
    LCNMCHAR "- ."
    UCNMCHAR "- ."
    NAMECASE GENERAL YES
    ENTITY    NO

  DELIM   GENERAL SGMLREF
    SHORTREF SGMLREF
  NAMES   SGMLREF
  QUANTITY SGMLREF  LITLEN 2048
    NAMELEN 32

```

ATTCNT 80

FEATURES

MINIMIZE	DATATAG	NO	OMITTAG	NO	RANK	NO	SHORTTAG	NO
LINK	SIMPLE	NO	IMPLICIT	NO	EXPLICIT	NO		
OTHER	CONCUR	NO	SUBDOC	NO	FORMAL	YES		

APPINFO "HyTime"

>

<?HyTime VERSION "ISO/IEC 10744:1992" HYQCNT=32 >

<?HyTime MODULE base >

<?HyTime MODULE locs mixspace multloc spanloc >

<?HyTime MODULE links >

Main DTD file

```
<!-- *****
*
*                               F M V   G R U N D - D T D
*                               Version   2.0
*                               October 31, 1997
*
*                               Developed by
*                               Leif Karlsson, Enator Information Management,
*                               Peter Bergström EuroSTEP AB,
*                               Tomas Eriksson and Joakim Erland, Sörman Information AB,
*                               for Försvarets Materielverk
*
*   (C) Försvarets materielverk 1997.
*   FMV Grund-DTD and it's documentation is the property of FMV
*   and held in trust by FMV CALS Office. 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
*   TDOK department.
*
*****
* The DTD supports the following types of Information Modules:
*
*   system           System Description
*   konstruktion     Construction Description
*   konstr.funkt     Construction and Functional Description
*   funktion         Functional Description
*   foreskrift       Regulations
*   handhavande      Operation
*   felsokning       Fault Finding
*   felavhjalpning   Corrective Maintenance
*   period.uh        Periodic Maintenance
*   uh.atgard        Maintenance Task
*   kontroll         Test
*   oversyn          Overhaul
*   renovering       Renovation
*   modifiering      Modification
*   forradsstallning Storage Instructions
*   tekngrunddata    Basic Technical Data
*   underhallsdata   Basic Maintenance Data
*   reservdelar      Spare Parts
*   tillbehor        Accessories
*   schema           Diagram
*
* The DTD also supports Information Product Modules:
*   infoprodmodul    Information Product Module
*
* The DTD furthermore supports one types of management modules.
*   admindata        Administrative Data
*
*****
* Typical Doctype Declaration:
*   <!DOCTYPE FMVGRUND PUBLIC
*   "-//SWE-FMV//DTD FMV Grund-DTD 2.0//EN" "fmvgrund.dtd" [ ] >
*
***** -->
```

```
<!-- *****
* Change History:
*
*
* 1997-10-31  Revision 2.0:
*
* This version is NOT 100 % backward compatible.
*
* Changes in compatibility has been made for following elements:
*
* lankar          (entire module deleted)
*
* table          (entire module reconstructed)
*
* detail          (is replaced by KOMPL.INFO, FBET, FBEN
*                 REFBET in the MTRL.UPPG structure
*                 The attributes MTRLTYP.VARDEN and
*                 MTRLTYP.ALT.VARDEN are deleted
*                 The recurrence is deleted)
*
* infoga.uppg     (deleted in the TEXT and DIRTEXT
*                 structure and replaced by the element
*                 DETALJ in the SCHEMA, MTRL.FORT,
*                 RESERVDELAR and TILLBEHOR structure)
*
* mtrldata        (element with content is deleted)
*
* ref.bildpos     (is deleted from the HANVISNING structure
*                 and is replaced by %TECKEN)
*
* hanvisning      (the attribute ID is deleted)
*
* infoga.modul    (the attribute ID is deleted)
*
* conref          (the attribute IHREF is deleted)
*
* All other changes do not affect the compatibility, they are
* just additions.
*
* The following is a list of all made changes.
*
* Element table   The CALS table definition that is recommended
*                 by SGML OPEN (Exchange table model Document
*                 Type Definition TR 9503:1995) is used, one
*                 exception is that the element SPANSPEC
*                 remains.
*                 Additions: attribute SPANNAME added to the
*                 ENTRY element.
*                 attribute TGROUPSTYLE added to the
*                 TGROUP element.
*                 attribute ID added to the TABLE
*                 element.
*
* Elem. fmvgrund  is added. (Top element which encloses the
*                 information modules)
*                 The attributes MALGRUPP, SPECFORUTSATTN,
*                 SPRAK, UH.NIVA and MODULSTATUS are moved
*                 from the LANKAR module to the FMVGRUND
*                 element.
*                 The attribute Hytime is moved from
*                 INFORMATION PRODUCT MODULE to the FMVGRUND
*                 element.
*
* Module lankar   is deleted and is replaced by following:
*                 The elements HANVISNING and INFOGA.MODUL
*                 are changed and are now Hytime contextual
*                 links (clink).
```

| | |
|---|--|
| | The element ADM.LANK is changed to a clink and is moved to the SGML-instance. The Address elements are moved into the SGML-instance and are gathered under the HYTIMEADDRESSER element. |
| Module admindata | is expanded with a contextual link (clink) element MODUL.LANK. |
| Elem. gen.anvisn | Additions: elements TITEL and INFOGA.NONSGML. |
| Elem. Period.uh | The attributes BEORD.MTRL.FUNKT and SAMMANF.ATGARDER have changed from REQUIRED to IMPLIED. |
| Elem. Period.del | The attributes BEORD.MTRL.FUNKT and SAMMANF.ATGARDER have changed from REQUIRED to IMPLIED. |
| Element bild | The attributes BREDD och HOJD have changed from REQUIRED to IMPLIED. |
| Elem. schemablad | The attributes BREDD och HOJD have changed from REQUIRED to IMPLIED. |
| Attribute titel | is deleted and replaced by the element TITEL. |
| Elem. Mtrl.uppg | Additions: element SATSINFO. |
| Module reservdelar | Additions: element ANTAL
Element INFOGA.NONSGML has been changed from being REQUIRED to occur zero or more times.
The element POSNR has been changed from being REQUIRED to IMPLIED. |
| Module tillbehör | Additions: element ANTAL
Element INFOGA.NONSGML has been changed from being REQUIRED to occur zero or more times.
The element POSNR has been changed from being REQUIRED to IMPLIED. |
| Element posnr | Additions: attribute BILDREF. |
| Element komponent | Additions: element ANTAL. |
| Substructure fore | Element INFOGA.NONSGML has been changed from being REQUIRED to occur zero or more times. |
| Elem. forb.atgard | Additions: element TITEL |
| Elem. Aterst.atgard | Additions: element TITEL |
| <hr/> | |
| 1995-06-01 | Revision 1.10: |
| This revision is NOT 100% backward compatible. | |
| Changes in compatibility has been made for following elements: | |
| lankar | (entire module restrucured) |
| lamplfelavhj | (content model changed) |
| status | (2 attributes deleted) |
| All other changes do not affect the compatibility, they are just additions. | |

| | | |
|--|------------------------------------|--|
| The following is a list of all made changes. | | |
| Entity % Id.att : | Addition: | |
| | andr.utg (#IMPLIED) | |
| | (this affects most elements | |
| | attribute lists) | |
| Elem moment: | Content model is extended: | |
| | includes elem uppst | |
| Elem andrtext: | Content model is extended: | |
| | includes elem hanvisning | |
| Elem grunddata.block: | Content model is extended: | |
| | made repeatable, and includes | |
| | elem bild | |
| Elem uhdata.block: | Content model is extended: | |
| | made repeatable, and includes | |
| | elem bild | |
| Elem mtrl.uppg: | Content model is loosened up: | |
| | posnr made optional | |
| Elem lamplfelaavhj: | Content model is lessened: | |
| | may not include elems text, bild, | |
| | tabell, uppst, and sekvens. | |
| | may now include elems varn and obs | |
| Elem status: | Deleted attributes: | |
| | sprak and prodlage | |
| Elem system, funktion, konstruktion, konstr.funkt, | | |
| foreskrift, handhavande, felsokning, felavhjelpning, | | |
| period.uh, uh.atgard.del, kontroll, oversyn, renovering, | | |
| forradsstallning, tekgrunddata, underhallsdata, reservdelar, | | |
| tillbehor, schema, komponent, bild.poslista, ref.bildpos, | | |
| infoga.nonsgml, infoga.modul: | | |
| | Added attributes: | |
| | andr.utg | |
| Elem drift.atgard, felavhj.atgard, peruh.atgard, | | |
| kontroll.atgard, oversyn.atgard, renov.atgard: | | |
| | Changed attributes: | |
| | titel (made implied) | |
| Elem niv: | Added attributes: | |
| | atlydnadskrav, legal.status, and | |
| | andr.utg | |
| Elem mod.atgard: | Added attributes: | |
| | andr.utg | |
| | Changed attributes: | |
| | titel (made implied) | |
| Elem uppst: | Changed attributes: | |
| | kompakt (values & default changed) | |
| Elem uppst.sub: | Changed attributes: | |
| | kompakt (values & default changed) | |
| Elem andring: | Changed attributes: | |
| | andr.utg changed name to andr.nr | |
| Elem infoproduktmodul: | Added attributes: | |
| | boslevel and unmspace | |
| Elem lankar: | New content model: | |
| | (link.elem, adr.modul, adr.objekt, | |
| | adr.entity, adr.inuti) | |
| Elem hytimelankar | DELETED | |
| Elem hanv.lank | DELETED | |
| Elem infog.lank | DELETED | |
| Elem nsgml.lank | DELETED | |
| Elem modul.t.objekt | DELETED | |
| Elem nlok.indirekt | DELETED | |
| Elem lok.obj | DELETED | |
| Elem nlok.obj | Replaced by new element objekt | |
| Elem link.elem | New element: | |
| | Container element for all HyTime | |
| | ilink elements | |
| Elem adr.modul | New element: | |
| | Container element for all module | |
| | and module variant addresses | |

| | | | |
|---|-------------------------|------------------------------------|---|
| * | Elem adr.objekt | New element: | * |
| * | | Container element for all object | * |
| * | | representation elements | * |
| * | Elem adr.entity | New element: | * |
| * | | Container element for addresses to | * |
| * | | SGML entities and info fragments | * |
| * | Elem adr.inuti | New element: | * |
| * | | Container element for all | * |
| * | | addresses within SGML entities | * |
| * | Elem lnk.hanv | New element: | * |
| * | | Built on former lnk.hanv.enkel, | * |
| * | | lnk.hanv.mult and lnk.hanv.interv | * |
| * | Elem lnk.admin | New element: | * |
| * | | Links between info modules and | * |
| * | | their administrative data in the | * |
| * | | admindata module | * |
| * | Elem nlok.elem | New element: | * |
| * | | Built on nlok.enkel and nlok.mult | * |
| * | Elem nlok.dok | New element: | * |
| * | | Address of foreign (non FMV Grund- | * |
| * | | DTD) document | * |
| * | Elem objekt | New element: | * |
| * | | Represents the object described by | * |
| * | | the information module. | * |
| * | Elem lnk.hanv.enkel | Merged with new elem lnk.hanv | * |
| * | Elem lnk.hanv.interv | Merged with new elem lnk.hanv | * |
| * | Elem lnk.hanv.mult | Merged with new elem lnk.hanv | * |
| * | Elem nlok.enkel | Merged with new elem nlok.elem | * |
| * | Elem nlok.mult | Merged with new elem nlok.elem | * |
| * | Elem lok.lokalid.mult | Merged with elem lok.lokalid | * |
| * | Elem lok.entity.mult | Merged with elem lok.entity | * |
| * | Elem lnk.nonsgml | Changes in attributes: | * |
| * | | extra and intra have fixed values. | * |
| * | | anchor roles renamed. | * |
| * | | other default values changed. | * |
| * | Elem lnk.inf.element | New name: LNK.INF.FRAGM | * |
| * | | Changes in attributes: | * |
| * | | anchor roles renamed | * |
| * | | uppdatera has default value "frys" | * |
| * | Elem lnk.inf.data | Changes in attributes: | * |
| * | | extra and intra have fixed values. | * |
| * | | anchor roles renamed. | * |
| * | | other values and default values | * |
| * | | changed. | * |
| * | Elem lnk.modul.objekt | New name: LNK.OBJEKT | * |
| * | | Changes in attributes: | * |
| * | | extra and intra have fixed values. | * |
| * | | new values on anchrole. | * |
| * | Elem nlok.nsgml | New function and meaning: | * |
| * | | Address of non-sgml data (may be | * |
| * | | multiple entities) | * |
| * | | Content model changed due to name | * |
| * | | changes | * |
| * | Elem nlok.varianter: | Added attributes: | * |
| * | | uh.niva and modulstatus | * |
| * | Elem nlok.modul: | Added attributes: | * |
| * | | uh.niva and modulstatus | * |
| * | | Content model changed due to name | * |
| * | | changes | * |
| * | Elem nlok.obj.mult | New name: NLOK.MULTOBJ | * |
| * | Elem lok.lokalid.interv | New name: LOK.INTERV | * |
| * | Elem lok.entity.enkel | New name: LOK.ENTITY | * |
| * | Elem nlok.interv | Content model changed due to name | * |
| * | | changes | * |
| * | Elem nlok.entity | Content model changed due to name | * |
| * | | changes | * |
| * | | Added attributes to cater for | * |
| * | | multiple anchors | * |


```

*      Elem nlok.infdata      Content model changed:      *
*                               (lok.lokalid)              *
*                               Changes in attributes:      *
*                               some default values changed. *
*                               *                            *
*                               *                            *
*                               *                            *
*      1994-10-01  Review update:                          *
*      Order of appearance of elements changed             *
*      Spaces in #FIXED attributes in links reduced to single space *
*      *                                                    *
*      *                                                    *
*      1994-06-30  Bug update:                              *
*      Attr sammanhang.spec on tabell:  changed to #REQUIRED *
*      Attr titel on felsokn.del:      changed to #REQUIRED *
*      Attr titel on peruh.atgard:     changed to #REQUIRED *
*      Attr sprakkod on status:        replaced with sprak  *
*      Attr im.sekr on status:         deleted              *
*      Attr sekretess on detalj:       deleted              *
*      Attr mer.info in %Hanv.att:     default changed to "ja" *
*      Attr obnames on lok.indirekt:   default changed to "obnames" *
*      Attr mtrltyp on detalj:         project definable attr values *
*      Attr mtrltyp.alt on detalj:     project definable attr values *
*      Elem tecken.for.tecken:        content model changed to RCDATA *
*      *                                                    *
*      *                                                    *
*      1994-05-31  Release version 1                        *
*      *                                                    *
***** -->

<!-- *****
*      Declaration of PUBLIC ENTITIES Called from this File      *
***** -->

<!ENTITY % isolatl PUBLIC
"ISO 8879-1986//ENTITIES Added Latin 1//EN"  "isolatl.ent" >

<!ENTITY % isogr3 PUBLIC
"ISO 8879-1986//ENTITIES Greek Symbols//EN"  "isogr3.ent" >

<!ENTITY % isopub PUBLIC
"ISO 8879-1986//ENTITIES Publishing//EN"  "isopub.ent" >

<!ENTITY % isotech PUBLIC
"ISO 8879-1986//ENTITIES General Technical//EN"  "isotech.ent" >

<!ENTITY % isonum PUBLIC
"ISO 8879-1986//ENTITIES Numeric and Special Graphic//EN"  "isonum.ent" >

<!ENTITY % projdef PUBLIC
"--//SWE-FMV//ENTITIES FMV Grund-DTD 2.0 Project Values//EN"  "projdef.ent" >

<!-- *****
*      Declaration of NOTATIONS                                  *
***** -->

<!NOTATION SGML PUBLIC
"+//ISO/IEC 8879:1986//NOTATION Standard Generalized Markup Language//EN">

<!NOTATION CGMbin PUBLIC
"ISO 8632-3:1987//NOTATION CGM Binary text encoding//EN" >

<!NOTATION CCITT PUBLIC
"--//USA-DOD//NOTATION CCITT Group 4 Facsimile Type1 Untiled Raster//EN" >
<!ATTLIST #NOTATION ccitt  resolution NUMBER "300" -- Unit=DPI -- >

```

```

<!NOTATION EPS PUBLIC
"-//Adobe//NOTATION Encapsulated PostScript//EN">

<!NOTATION TIFF PUBLIC
"-//Aldus//NOTATION Tagged Image File Format//EN">

<!NOTATION JPEG PUBLIC
"ISO/IEC 10918-1:1993//NOTATION Digital compression and coding of
continuous-tone still images//EN">

<!-- Notations for MPEG video and audio formats might be revised soon. -->

<!NOTATION MPEG1vid PUBLIC
"ISO/IEC 11172-3:1993//NOTATION Information technology -
Coding of moving pictures and associated audio for digital storage media
at up to about 1,5 Mbit/s - Part 2: Video//EN">

<!NOTATION mpeg1aud PUBLIC
"ISO/IEC 11172-3:1993//NOTATION Information technology -
Coding of moving pictures and associated audio for digital storage media
at up to about 1,5 Mbit/s - Part 3: Audio//EN">

<!-- *****
*          Declaration of Entities for Special Characters          *
***** -->

<!--      ISO Entity Sets      -->

%isolat1;

%isogr3;

%isopub;

%isotech;

%isonum;

<!-- *****
*          Declaration of General Parameter Entities (Model Groups)          *
***** -->

<!ENTITY % tecken      "#PCDATA | index | exponent" >

<!ENTITY % infoprim    "text | anm | table | bild | uppst" >

<!ENTITY % dirprim     "dirtext | anm | table | bild" >

<!ENTITY % vad         "varn* , obs* , (moment | moment.block)+ ,
                        (anm | bild | table)*" >

```

```

<!-- Declaration of Project Defined Attribute Values -->
%projdef;

<!-- Discrete Element Identification common attributes -->

<!ENTITY % Id.att '
            id          ID          #REQUIRED
            andr.utg    NUMBER      #IMPLIED
        '>

<!-- Information Module Start Element common attributes -->

<!ENTITY % ModStart.att '
            modulid     ID          #REQUIRED
            sekretess   (hemlig , kvalhemlig , oppen) "oppen"
            andr.utg    NUMBER      #IMPLIED
        '>

<!-- Block Element common attributes -->

<!ENTITY % Block.att '
            blockpresentation (sekvens , parallell) "sekvens"
            blocktyp         (normal , uppmhet)     "normal"
        '>

<!-- *****
*                               START OF FMV GRUND-DTD                               *
***** -->

<!ELEMENT fmvgrund (hytime.adresser?, (adm.lank, objekt+)?, (system | funktion |
konstr.funkt | konstruktion | foreskrift | handhavande |
felsokning | tillbehor | felavhjalpning | period.uh |
uh.atgard | kontroll | oversyn | renovering | modifiering |
forradsstallning | tekngrunddata | underhallsdata |
reservdelar | schema | admindata | infoprodmodul))>

<!ATTLIST fmvgrund
            id          ID          #IMPLIED
            HyTime      NAME        #FIXED      "HyDoc"
            malgrupp    %malgrupp.varden;      #IMPLIED
            specforutsattn %specforutsattn.varden #IMPLIED
            sprak        %sprak.varden;        #IMPLIED
            uh.niva      %uhniva.varden;        #IMPLIED
            modulstatus  %modulstatus.varden;   #IMPLIED
        >

<!ELEMENT hytime.adresser (nlok.elem | nlok.interv | nlok.entity | nlok.dok |
nlok.modul)*>

<!-- *****
*                               System Information Module Elements                               *
***** -->

<!-- System description -->

<!ELEMENT system (titel, avsnitt+) >
<!ATTLIST system
            %ModStart.att;
        >

```

```

<!-- *****
*           Functional Description Module Elements           *
***** -->

<!--      Functional description      -->

<!ELEMENT funktion (titel, avsnitt+) >
<!--ATTLIST funktion
           %ModStart.att;
-->

<!-- *****
*           Construction Description Module Elements           *
***** -->

<!--      Description of construction      -->

<!ELEMENT konstruktion (titel, avsnitt+) >
<!--ATTLIST konstruktion
           %ModStart.att;
-->

<!-- *****
*           Construction and Functional Description Module Elements
***** -->

<!--      Description of construction mixed with function      -->

<!ELEMENT konstr.funkt (titel, avsnitt+) >
<!--ATTLIST konstr.funkt
           %ModStart.att;
-->

<!-- *****
*           Regulations Module Elements
***** -->

<!--      Regulation      -->

<!ELEMENT foreskrift (titel, foreskr.avsnitt+) >
<!--ATTLIST foreskrift
           foreskr.typ      %foreskr.typ.varden;      #REQUIRED
           %ModStart.att;
-->

<!--      Regulation section      -->

<!ELEMENT foreskr.avsnitt (titel , (text | anm | table | bild |
                               uppst | sekvens | foreskr.block)* ,
                               foreskr.avsnitt*) >
<!--ATTLIST foreskr.avsnitt
           avsnittstyp      %avsnittstyp.varden;      #IMPLIED
           %Id.att;
-->

```

```

<!--      Block for regulatory info (groups associated info)  -->

<!ELEMENT foreskr.block  (titel?, (text | anm | table | bild |
                                uppst | sekvens | foreskr.block)+) >
<!ATTLIST foreskr.block
            %Block.att;
            %Id.att;
>

<!-- *****
*                               Operations Module Elements                               *
***** -->

<!--      Operation  -->

<!ELEMENT handhavande  (titel, fore? , varn* , obs* , bild* ,
                        drift.atgard+ , efter?) >
<!ATTLIST handhavande
            %ModStart.att;
>

<!--      Operation task  -->

<!ELEMENT drift.atgard  (titel?, fore? , ((%vad;) | drift.atgard+) , efter?) >
<!ATTLIST drift.atgard
            %Id.att;
>

<!-- *****
*                               Fault Finding Module Elements                               *
***** -->

<!--      Fault finding  -->

<!ELEMENT felsokning  (titel, fore? , (gen.anvisn |
                                (felfunktion | felsokn.del)+ ) , efter?) >
<!ATTLIST felsokning
            %ModStart.att;
>

<!--      General instructions  -->

<!ELEMENT gen.anvisn  (titel?, (dirtext | infoga.nonsgml | uppst)+ )+ >
<!ATTLIST gen.anvisn
            %Id.att;
>

<!--      Fault finding, part  -->

<!ELEMENT felsokn.del  (titel, felfunktion+) >
<!ATTLIST felsokn.del
            %Id.att;
>

```

```

<!--      Malfunction  -->

<!ELEMENT felfunktion      (felytttring , (((troligorsak , lamplfelavhj)+ |
                                lamplfelavhj) , felavgransn?) | felavgransn)) >
<!ATTLIST felfunktion
            %Id.att;
>

<!--      Symptom  -->

<!ELEMENT felytttring      (felkod | dirtext) >
<!ATTLIST felytttring
            %Id.att;
>

<!--      Fault code  -->

<!ELEMENT felkod          ((#PCDATA) | anm )+ >

<!--      Probable cause of error  -->

<!ELEMENT troligorsak      (dirtext) >
<!ATTLIST troligorsak
            %Id.att;
>

<!--      Appropriate corrective action  -->

<!ELEMENT lamplfelavhj      (varn? , obs? , dirtext , anm?) >
<!ATTLIST lamplfelavhj
            %Id.att;
>

<!--      Fault delimitation  -->

<!ELEMENT felavgransn      (fore? , feltest , efter?)+ >
<!ATTLIST felavgransn
            %Id.att;
>

<!--      Result of fault delimitation  -->

<!ELEMENT resultat      (felkod | dirtext) >
<!ATTLIST resultat
            %Id.att;
>

<!--      Fault test  -->

<!ELEMENT feltest          (dirtext? , (resultat , ((troligorsak , lamplfelavhj)+ |
                                lamplfelavhj) ))+ >
<!ATTLIST feltest
            %Id.att;
>

```

```

<!-- *****
*                               *
*          Corrective Maintenace Module Elements          *
***** -->

<!--      Corrective maintenance  -->

<!ELEMENT felavhjalpning      (titel, fore? , varn* , obs* , bild* ,
                               felavhj.atgard+ , efter?) >
<!ATTLIST felavhjalpning
          atgard.typ      (byte , reparation)      #REQUIRED
          %ModStart.att;
>

<!--      Corrective maintenance task  -->

<!ELEMENT felavhj.atgard      (titel?, %vad;) >
<!ATTLIST felavhj.atgard
          %Id.att;
>

<!-- *****
*                               *
*          Periodic Maintenance Module Elements          *
***** -->

<!--      Periodic maintenance  -->

<!ELEMENT period.uh      (titel, fore? , varn* , obs* , bild* ,
                           (peruh.atgard | peruh.del)+ , efter?) >
<!ATTLIST period.uh
          driftlage      %driftlage.varden;      #IMPLIED
          tidsintervall      %tidsintervall.varden;      #IMPLIED
          driftintervall      %driftintervall.varden;      #IMPLIED
          anvstatus      %anvstatus.varden;      #REQUIRED
          berord.mtrl.funkt      CDATA      #IMPLIED
          sammanf.atgarder      CDATA      #IMPLIED
          %ModStart.att;
>

<!--      Periodic maintenance task  -->

<!ELEMENT peruh.atgard      (titel?, fore? , %vad; , efter?) >
<!ATTLIST peruh.atgard
          %Id.att;
>

<!--      Periodic maintenance, part  -->

<!ELEMENT peruh.del      (titel, peruh.atgard+) >
<!ATTLIST peruh.del
          berord.mtrl.funkt      CDATA      #IMPLIED
          sammanf.atgarder      CDATA      #IMPLIED
          %Id.att;
>

```

```

<!-- *****
*                               Maintenance Task Module Elements                               *
***** -->

<!--      Maintenance task      -->

<!ELEMENT uh.atgard      (titel, fore? , varn* , obs* , bild* ,
                          (sekvens | uh.atgard.del)+ , efter?) >
<!ATTLIST uh.atgard
          uhatgard.typ      %uhatgard.typ.varden;      #REQUIRED
          %ModStart.att;
>

<!--      Sub-task      -->

<!ELEMENT uh.atgard.del  (titel, fore? , sekvens , efter?) >
<!ATTLIST uh.atgard.del
          %Id.att;
>

<!-- *****
*                               Test Module Elements                               *
***** -->

<!--      Test      -->

<!ELEMENT kontroll      (titel, fore? , varn* , obs* , bild* ,
                          (kontroll.atgard | kontroll.del)+ , efter?) >
<!ATTLIST kontroll
          kontrolltyp      %kontrolltyp.varden;      #REQUIRED
          %ModStart.att;
>

<!--      Test task      -->

<!ELEMENT kontroll.atgard      (titel?, fore? , %vad; , efter?) >
<!ATTLIST kontroll.atgard
          %Id.att;
>

<!--      Sub-test      -->

<!ELEMENT kontroll.del      (titel, kontroll.atgard+) >
<!ATTLIST kontroll.del
          %Id.att;
>

<!-- *****
*                               Overhaul Module Elements                               *
***** -->

<!--      Overhaul      -->

<!ELEMENT oversyn      (titel, fore? , varn* , obs* , bild* ,
                          (oversyn.atgard | oversyn.del)+ , efter?) >
<!ATTLIST oversyn
          tidsintervall      %tidsintervall.varden;      #IMPLIED
          driftintervall      %driftintervall.varden;      #IMPLIED
          %ModStart.att;
>

```



```

<!--      Overhaul task  -->

<!ELEMENT oversyn.atgard      (titel?, fore? , %vad; , efter?) >
<!ATTLIST oversyn.atgard
          %Id.att;
>

<!--      Overhaul, part  -->

<!ELEMENT oversyn.del        (titel, oversyn.atgard+) >
<!ATTLIST oversyn.del
          %Id.att;
>

<!-- *****
*                               Renovation Module Elements                               *
***** -->

<!--      Renovation  -->

<!ELEMENT renovering (titel, fore? , varn* , obs* , bild* , renov.atgard+ ,
                      efter?) >
<!ATTLIST renovering
          %ModStart.att;
>

<!--      Renovation task  -->

<!ELEMENT renov.atgard      (titel?, fore? , %vad; , efter?) >
<!ATTLIST renov.atgard
          %Id.att;
>

<!-- *****
*                               Modification Module Elements                               *
***** -->

<!--      Modification  -->

<!ELEMENT modifying      (titel, fore? , varn* , obs* , bild* , mod.atgard+ ,
                          efter?) >
<!ATTLIST modifying
          %ModStart.att;
>

<!--      Modification task  -->

<!ELEMENT mod.atgard (titel?, fore? , %vad; , efter?) >
<!ATTLIST mod.atgard
          %Id.att;
>

```

```

<!-- *****
*
*                               Storage Module Elements
*
***** -->

<!--      Storage instructions  -->

<!ELEMENT forradsstallning  (titel, fore? , varn* , obs* , bild* ,
                           (forrads.atgard | forradsst.del)+ , efter?) >
<!ATTLIST forradsstallning
          forradslage          %forradslage.varden;      #REQUIRED
          utlamningslage      %utlamningslage.varden;    #IMPLIED
          %ModStart.att;
>

<!--      Storage task  -->

<!ELEMENT forrads.atgard    (titel?, fore? , %vad; , efter?) >
<!ATTLIST forrads.atgard
          forrads.atgardtyp    %forrads.atgardtyp.varden;  #REQUIRED
          %Id.att;
>

<!--      Storage instructions, part  -->

<!ELEMENT forradsst.del     (titel, forrads.atgard+) >
<!ATTLIST forradsst.del
          %Id.att;
>

<!-- *****
*
*                               Technical Data Module Elements
*
***** -->

<!--      General technical data  -->

<!ELEMENT tekngrunddata     (titel, ((anm? , grunddata+) | grunddata.block)+) >
<!ATTLIST tekngrunddata
          %ModStart.att;
>

<!--      Block of general data (groups associated info)  -->

<!ELEMENT grunddata.block   (titel?, ((anm? , grunddata+, bild*) |
                                   grunddata.block)+) >
<!ATTLIST grunddata.block
          %Id.att;
>

<!--      Technical data (one)  -->

<!ELEMENT grunddata         (datanamn , (datavarde+ | grunddata+) , anm?) >
<!ATTLIST grunddata
          datatyp             %datatyp.varden;          #REQUIRED
          %Id.att;
>

<!--      Data name  -->

<!ELEMENT datanamn          (%tecken;)+ >

```

```

<!--      Data value  -->

<!ELEMENT datavarde      (databeskr | (matetal , enhet?)) >
<!ATTLIST datavarde
          id      ID      #REQUIRED >

<!--      Data description  -->

<!ELEMENT databeskr      (%tecken;)+ >

<!--      Value  -->

<!ELEMENT matetal      (%tecken;)+ >

<!--      Unit  -->

<!ELEMENT enhet      (%tecken;)+ >

<!-- *****
*                               Maintenance Data Elements                               *
***** -->

<!--      Common maintenance data (many)  -->

<!ELEMENT underhallsdata      (titel, ((anm? , uhdata+ ) | uhdata.block)+) >
<!ATTLIST underhallsdata
          %ModStart.att;
>

<!--      Block of maintenance data (groups associated info)  -->

<!ELEMENT uhdata.block      (titel?, ((anm? , uhdata+ , bild*) | uhdata.block)+) >
<!ATTLIST uhdata.block
          %Id.att;
>

<!--      Maintenance data (one)  -->

<!ELEMENT uhdata      (datanamn , ((tillvdata , renovdata? , repdata?) |
          uhdata+ ) , anm?) >
<!ATTLIST uhdata
          %Id.att;
>

<!--      Manufacturing data  -->

<!ELEMENT tillvdata      (datavarde+) >

<!--      Renovation data  -->

<!ELEMENT renovdata      (datavarde+) >

<!--      Repair data  -->

<!ELEMENT repdata      (datavarde+) >

```

```

<!-- *****
*                               *
*                               *
***** -->

<!--    Detail in material breakdown structure    -->

<!ELEMENT detalj      ((fbet , ksiffra)? , fben , bestkod? , refbet ,
                      refbet.alt* , specuppg* , kupp* , iduppg*) >
<!ATTLIST detalj
      -- sekretess deleted --
      %Id.att;
>

<!--    FMV detail identifictaion    -->

<!ELEMENT fbet        (#PCDATA) >
<!ATTLIST fbet
      id      ID      #REQUIRED
>

<!--    Check sum number for FMV detail identifictaion    -->

<!ELEMENT ksiffra      (#PCDATA) >

<!--    FMV name of detail    -->

<!ELEMENT fben         (#PCDATA) >
<!ATTLIST fben
      %Id.att;
>

<!--    FMV ordering code    -->

<!ELEMENT bestkod      (#PCDATA) >

<!--    Manufacturer's detail identifictaion    -->

<!ELEMENT refbet        (firmakod , ritnnr) >
<!ATTLIST refbet
      id      ID      #REQUIRED
>

<!--    Alternative manufacturer's detail identifictaion    -->

<!ELEMENT refbet.alt    (firmakod , ritnnr) >
<!ATTLIST refbet.alt
      id      ID      #REQUIRED
>

<!--    Code of manufacturer    -->

<!ELEMENT firmakod      (#PCDATA) >

<!--    Drawing number    -->

<!ELEMENT ritnnr        (#PCDATA) >

```

```

<!--      Special information on detail  -->

<!ELEMENT specuppg      (%tecken;)+ >

<!--      Complementing information on detail  -->

<!ELEMENT kuppg          (%tecken;)+ >

<!--      Complementing identification information  -->

<!ELEMENT iduppg          (%tecken;)+ >

<!--      Quantity  -->

<!ELEMENT antal          (#PCDATA) >

<!-- *****
*                               Spare Parts Module Elements                               *
***** -->

<!--      Spare parts  -->

<!ELEMENT reservdelar      (titel, infoga.nonsgml*, detalj.uppg+) >
<!ATTLIST reservdelar
          %ModStart.att;
>

<!--      Information on the detail (spare part or accessory)  -->

<!ELEMENT detalj.uppg      (posnr? , antal?, (detalj | (fben , dirtext)) ,
                           detalj.uppg*) >
<!ATTLIST detalj.uppg
          %Id.att;
>

<!-- *****
*                               Accessories Module Elements                               *
***** -->

<!--      Accessories  -->

<!ELEMENT tillbehor        (titel, infoga.nonsgml* , detalj.uppg+) >
<!ATTLIST tillbehor
          %ModStart.att;
>

<!-- *****
*                               Diagram Module Elements                               *
***** -->

<!--      Diagram  -->

<!ELEMENT schema          (titel, schemablad+) >
<!ATTLIST schema
          ritningsnr      CDATA          #IMPLIED
          schematyp      %schematyp.varden;  #REQUIRED
          %ModStart.att;
>

```

```

<!--      Diagram sheet      -->

<!ELEMENT schemablad      (infoغا.nonsgml , kompfort?) >
<!ATTLIST schemablad
            bredd            NUMBER            #IMPLIED
            hojd            NUMBER            #IMPLIED
            mattenhet      (mm , cm , pica)    "mm"
            bladnr         CDATA             #IMPLIED
            %Id.att;
>

<!--      List of components      -->

<!ELEMENT kompfort      (komponent+) >

<!--      Component      -->

<!ELEMENT komponent      (kompbet , kompplacering? , antal? , kompinfo) >
<!ATTLIST komponent
            id      ID      #REQUIRED >

<!--      Component identifiacion      -->

<!ELEMENT kompbet      (%tecken;)+ >

<!--      Component position      -->

<!ELEMENT kompplacering      (%tecken;)+ >

<!--      Information on component      -->

<!ELEMENT kompinfo      (detalj) >

<!-- *****
*                      Elements for Descriptive Information                      *
***** -->

<!--      Descriptive section      -->

<!ELEMENT avsnitt      (titel , (%infoprim; | beskr.block)* , avsnitt*) >
<!ATTLIST avsnitt
            avsnittstyp      %avsnittstyp.varden;      #IMPLIED
            %Id.att;
>

<!--      Block for descriptive info (groups associated info)      -->

<!ELEMENT beskr.block      (titel? , (%infoprim; | beskr.block)+) >
<!ATTLIST beskr.block
            %Block.att;
            %Id.att;
>

```

```

<!-- *****
*           Elements for Procedural Information (used in %vad;)           *
***** -->

<!--      Action      -->

<!ELEMENT moment      (dirtext , (%dirprim; | uppst)* , sekvens? ,
                        (verifiering , korrigerer?)) >
<!ATTLIST moment
        %Id.att;
>

<!--      Block of actions (groups associated info)      -->

<!ELEMENT moment.block (titel?, %vad;) >
<!ATTLIST moment.block
        %Block.att;
        %Id.att;
>

<!--      Verification      -->

<!ELEMENT verifiering (dirtext+) >
<!ATTLIST verifiering
        %Id.att;
>

<!--      Correction      -->

<!ELEMENT korrigerer (%vad;) >
<!ATTLIST korrigerer
        %Id.att;
>

<!-- *****
*           Elements for Sequence           *
***** -->

<!--      Sequence      -->

<!ELEMENT sekvens      (titel?, varn* , obs* , (steg | sekv.block)+ ,
                        (anm | bild | table)*) >
<!ATTLIST sekvens
        %Id.att;
>

<!--      Sequence block (groups associated info)      -->

<!ELEMENT sekv.block      (titel?, varn* , obs* , (steg | sekv.block)+ ,
                           (anm | bild | table)*) >
<!ATTLIST sekv.block
        %Block.att;
        %Id.att;
>

```

```

<!--      Step      -->

<!ELEMENT steg      (dirtext , (%dirprim;)* , sekvens.sub?) >
<!ATTLIST steg
          %Id.att;

>

<!--      Sub-sequence      -->

<!ELEMENT sekvens.sub      (titel?, varn* , obs* , (steg.sub | sekv.block.sub)+ ,
          (anm | bild | table)*) >
<!ATTLIST sekvens.sub
          %Id.att;

>

<!--      Sub-sequence block      -->

<!ELEMENT sekv.block.sub      (titel?, varn* , obs* , (steg.sub | sekv.block.sub)+
          , (anm | bild | table)*) >
<!ATTLIST sekv.block.sub
          %Block.att;
          %Id.att;

>

<!--      Sub-step      -->

<!ELEMENT steg.sub      (dirtext , (%dirprim;)*) >
<!ATTLIST steg.sub
          %Id.att;

>

<!-- *****
          *                      Elements for Preconditions                      *
          ***** -->

<!--      Pre-conditions      -->

<!ELEMENT fore      (inledning? , ref.foreskr? , ref.data? ,
          ref.mtrl? , forutsattn? , forbered?) >
<!ATTLIST fore
          %Id.att;

>

<!--      Descriptive introduction      -->

<!ELEMENT inledning      (titel, (%infoprim;)+) >
<!ATTLIST inledning
          %Id.att;

>

<!--      Referenced regulations list      -->

<!ELEMENT ref.foreskr      (foreskr+) >
<!ATTLIST ref.foreskr
          %Id.att;

>

```



```

<!--      Referenced regulation  -->

<!ELEMENT foreskr      (dirtext) >
<!ATTLIST foreskr
          foreskr.typ      %foreskr.typ.varden;      #REQUIRED
          %Id.att;
>

<!--      Referenced data  -->

<!ELEMENT ref.data      (dirtext+) >

<!ATTLIST ref.data
          %Id.att;
>

<!--      Referenced materiel  -->

<!ELEMENT ref.mtrl      (stdverktyg.lista? , specverktyg.lista? ,
                          forbrmtrl.lista? , reservdel.lista?) >
<!ATTLIST ref.mtrl
          %Id.att;
>

<!--      Standard tools list  -->

<!ELEMENT stdverktyg.lista      (infoga.nonsgml* , mtrl.uppg+) >
<!ATTLIST stdverktyg.lista
          %Id.att;
>

<!--      Special tools list  -->

<!ELEMENT specverktyg.lista      (infoga.nonsgml* , mtrl.uppg+) >
<!ATTLIST specverktyg.lista
          %Id.att;
>

<!--      Consumables list  -->

<!ELEMENT forbrmtrl.lista      (infoga.nonsgml* , mtrl.uppg+) >
<!ATTLIST forbrmtrl.lista
          %Id.att;
>

<!--      Spare parts list  -->

<!ELEMENT reservdel.lista      (infoga.nonsgml* , mtrl.uppg+) >
<!ATTLIST reservdel.lista
          %Id.att;
>

<!--      Materiel data  -->

<!ELEMENT mtrl.uppg      (posnr? , fbet , fben , refbet? , satsinfo? , kompl.info?) >
<!ATTLIST mtrl.uppg
          %Id.att;
>

```

```

<!--      Complementing information  -->

<!ELEMENT kompl.info      (text) >

<!-- Satsinfo -->

<!ELEMENT satsinfo      (#PCDATA)>

<!--      Conditions  -->

<!ELEMENT forutsattn      (%infoprim;)+ >
<!ATTLIST forutsattn
          %Id.att;
>

<!--      Preparations  -->

<!ELEMENT forbered      (forb.atgard+) >
<!ATTLIST forbered
          %Id.att;
>

<!--      Preparatory task  -->

<!ELEMENT forb.atgard      (titel?, (%vad;)) >

<!ATTLIST forb.atgard
          %Id.att;
>

<!-- *****
          *                      Elements for Postconditions                      *
          ***** -->

<!--      Post-conditions  -->

<!ELEMENT efter      (avslutning? , ref.installn? , ref.kontroll? ,
          aterstallning? , dokumentering?) >
<!ATTLIST efter
          %Id.att;
>

<!--      Descriptive completion  -->

<!ELEMENT avslutning      (titel, (%infoprim;)* ) >
<!ATTLIST avslutning
          %Id.att;
>

<!--      Referenced adjustments  -->

<!ELEMENT ref.installn      (dirtext+) >
<!ATTLIST ref.installn
          %Id.att;
>

```

```

<!--      Referenced tests  -->

<!ELEMENT ref.kontroll      (dirtext+) >
<!ATTLIST ref.kontroll
          %Id.att;
>

<!--      Reset  -->

<!ELEMENT aterstallning    (aterst.atgard+) >
<!ATTLIST aterstallning
          %Id.att;
>

<!--      Reset task  -->

<!ELEMENT aterst.atgard    (titel?, (%vad;)) >
<!ATTLIST aterst.atgard
          %Id.att;
>

<!--      Documentation  -->

<!ELEMENT dokumentering    (%infoprime;)+ >
<!ATTLIST dokumentering
          %Id.att;
>

<!-- *****
*                                     Elements for Figure
***** -->

<!--      Figure  -->

<!ELEMENT bild              (titel? , infoga.nonsxml , bild.poslista?) >
<!ATTLIST bild
          bredd              NUMBER              #IMPLIED
          hojd              NUMBER              #IMPLIED
          mattenhet          (mm , cm , pica )    "mm"
          bildpresentation   (itext | separat) "itext"
          %Id.att;
>

<!--      Figure call-out description list  -->

<!ELEMENT bild.poslista     (bildpos+) >
<!ATTLIST bild.poslista
          id                ID                #REQUIRED
>

<!--      Figure call-out description  -->

<!ELEMENT bildpos           (posnr , postext) >
<!ATTLIST bildpos
          %Id.att;
>

```

```

<!--      Call-out number  -->

<!ELEMENT posnr      (#PCDATA) >
<!ATTLIST posnr
          bildref  IDREF #IMPLIED
>

<!--      Call-out text  -->

<!ELEMENT postext      (%tecken; | betoning)+ >

<!-- *****
*                               Elements for List                               *
***** -->

<!--      Descriptive list  -->

<!ELEMENT uppst      (titel?, punkt+) >
<!ATTLIST uppst
          kompakt    (ja , nej)    "nej"
          %Id.att;
>

<!--      List item  -->

<!ELEMENT punkt      (text , (text | anm | bild | table | uppst.sub)*) >
<!ATTLIST punkt
          %Id.att;
>

<!--      Sub-list  -->

<!ELEMENT uppst.sub  (punkt.sub+) >
<!ATTLIST uppst.sub
          kompakt    (ja , nej)    "ja"
          %Id.att;
>

<!--      Sub-list item  -->

<!ELEMENT punkt.sub  (text , (text | anm | bild | table)*) >
<!ATTLIST punkt.sub
          %Id.att;
>

<!-- *****
*                               Elements for Table                               *
***** -->

<!--      Table  -->

<!ENTITY % yesorno "NUMBER" >

<!ELEMENT title      (%tecken;)+>

```

```

<!-- Exchange Table model DTD module -->

<!--
Added SPANSPEC-specification
Not to use formal Public Identifier

<!ENTITY % calstbbls PUBLIC "-//SGML Open//DTD Exchange Table Model 19960430//EN">
%calstbbls;

-->

<!ELEMENT table - - (title?, tgroup+) -(table)>
<!ATTLIST table
    id ID #REQUIRED
    frame (top|bottom|topbot|all|sides|none) #IMPLIED
    colsep %yesorno; #IMPLIED
    rowsep %yesorno; #IMPLIED
    pgwide %yesorno; #IMPLIED>

<!ELEMENT tgroup - O (colspec*, spanspec*, thead?, tbody)>
<!ATTLIST tgroup
    tgroupstyle NMTOKEN #IMPLIED
    cols NUMBER #REQUIRED
    colsep %yesorno; #IMPLIED
    rowsep %yesorno; #IMPLIED
    align (left|right|center|justify|char) #IMPLIED>

<!ELEMENT colspec - O EMPTY>
<!ATTLIST colspec
    colnum NUMBER #IMPLIED
    colname NMTOKEN #IMPLIED
    colwidth CDATA #IMPLIED
    colsep %yesorno; #IMPLIED
    rowsep %yesorno; #IMPLIED
    align (left|right|center|justify|char) #IMPLIED
    char CDATA #IMPLIED
    charoff NUTOKEN #IMPLIED>

<!ELEMENT spanspec - O EMPTY>
<!ATTLIST spanspec
    namest NMTOKEN #REQUIRED
    nameend NMTOKEN #REQUIRED
    spanname NMTOKEN #IMPLIED
    align (left | right | center | justify | char) "center"
    charoff NUTOKEN #IMPLIED
    char CDATA #IMPLIED
    colsep %yesorno; #IMPLIED
    rowsep %yesorno; #IMPLIED>

<!ELEMENT thead - O (row+)>
<!ATTLIST thead
    valign (top|middle|bottom) #IMPLIED>

<!ELEMENT tbody - O (row+)>
<!ATTLIST tbody
    valign (top|middle|bottom) #IMPLIED>

<!ELEMENT row - O (entry+)>
<!ATTLIST row
    rowsep %yesorno; #IMPLIED
    valign (top|middle|bottom) #IMPLIED>

```

```

<!ELEMENT entry - O (text | tecken.for.tecken | anm | bild)*>
<!-- entry
      spanname          NMTOKEN          #IMPLIED
      colname           NMTOKEN          #IMPLIED
      namest            NMTOKEN          #IMPLIED
      nameend           NMTOKEN          #IMPLIED
      morerows          NUMBER          #IMPLIED
      colsep            %yesorno;       #IMPLIED
      rowsep            %yesorno;       #IMPLIED
      align             (left|right|center|justify|char) #IMPLIED
      char              CDATA           #IMPLIED
      charoff           NUTOKEN          #IMPLIED
      valign            (top|middle|bottom) #IMPLIED>

<!-- Verbatim text

      All RE/RS and leading TABs and SPACES are significant

-->

<!ELEMENT tecken.for.tecken RCDATA >

<!-- tecken.for.tecken
      %Id.att;
>

<!-- *****
      *                      Elements for Warning                      *
      ***** -->

<!-- Warning -->

<!ELEMENT varn (varn.text+) >
<!-- varn
      varntyp          %varntyp.varden.def;
      %Id.att;
>

<!-- Warning text -->

<!ELEMENT varn.text (%tecken; | hanvisning)+ >

<!-- *****
      *                      Elements for Observe (Caution)           *
      ***** -->

<!-- Observe -->

<!ELEMENT obs (obs.text , (obs.text | obs.uppst)*) >
<!-- obs
      obstyp          %obstyp.varden.def;
      %Id.att;
>

```

```

<!--      Observe text  -->

<!ELEMENT obs.text  (%tecken; | hanvisning)+ >
<!ATTLIST obs.text
          %Id.att;
>

<!--      Observe list  -->

<!ELEMENT obs.uppst      (obs.punkt+) >
<!ATTLIST obs.uppst
          %Id.att;
>

<!--      Observe list item  -->

<!ELEMENT obs.punkt      (%tecken; | hanvisning)+ >

<!-- *****
*                               Elements for Note                               *
***** -->

<!--      Note  -->

<!ELEMENT anm      (anm.text , (anm.text | anm.uppst)*) >
<!ATTLIST anm
          %Id.att;
>

<!--      Note text  -->

<!ELEMENT anm.text  (%tecken; | hanvisning)+ >
<!ATTLIST anm.text
          %Id.att;
>

<!--      Note list  -->

<!ELEMENT anm.uppst      (anm.punkt+) >
<!ATTLIST anm.uppst
          %Id.att;
>

<!--      Note list item  -->

<!ELEMENT anm.punkt      (%tecken; | hanvisning)+ >

```

```

<!-- *****
*
*                               Information Primitives
*
***** -->

<!--      Descriptive text  -->

<!ELEMENT text      (%tecken; | betoning | formel |
                    hanvisning)+ >
<!ATTLIST text
          %Id.att;
>

<!--      Directive text  -->

<!ELEMENT dirtext    (%tecken; | betoning | formel |
                    hanvisning)+ >
<!ATTLIST dirtext
          %Id.att;
>

<!--      Formula  -->

<!ELEMENT formel      (infoga.nonsgml) >
<!ATTLIST formel
          %Id.att;
>

<!-- *****
*
*                               Low Level (In-Line) Elements
*
***** -->

<!--      Subscript  -->

<!ELEMENT index      (#PCDATA) >

<!--      Superscript  -->

<!ELEMENT exponent    (#PCDATA) >

<!--      Emphasis  -->

<!ELEMENT betoning    (%tecken;)+ >

<!--      Title  -->

<!ELEMENT titel      (%tecken;)+ >

```



```

<!--      Reference (anchor)  -->

<!ELEMENT hanvisning      (%tecken;)+ >

<!ATTLIST hanvisning
      HyTime      NAME      #FIXED      "clink"
      linkend      IDREF      #REQUIRED
      anchrole      CDATA      #FIXED      "ReferencePoint ReferencedInfo #AGG"
      extra      NAMES      #FIXED      "A E"
      intra      NAMES      #FIXED      "A A"
      aggtrav      (agg | mem) "agg"
      sammanh.refinfo (visa | visa.ej)      "visa.ej"
      presentation (itext | separat | parallellt) "separat"
      viktighet      (nodvandig | viktig | bakgrundsinfo) "viktig"
      uppdatera      (frys | uppdatera) "frys"
>

<!--      Include non-SGML data (anchor)  -->

<!ELEMENT infoga.nonsgml  EMPTY  >
<!ATTLIST infoga.nonsgml
      id      ID      #REQUIRED
      bildid      ENTITY      #REQUIRED
      andr.utg      CDATA      #IMPLIED
      presentation (itext | separat | parallell) "itext"
      viktighet      (nodvandig | viktig | bakgrundsinfo) "nodvandig"
      uppdatera      (frys | uppdatera) "uppdatera"
>

<!-- *****
      *      Administrative Data Module Elements      *
      ***** -->

<!--      Administrative data  -->

<!ELEMENT admindata      (titel?, moduladmin+) >
<!ATTLIST admindata
      modulid      ID      #REQUIRED
>

<!--      Administrative data for one info module or infoproduct module  -->

<!ELEMENT moduladmin      (modul.lank?, status , proddata? , fmldata? , andrdata?) >
<!ATTLIST moduladmin
      id      ID      #REQUIRED
>

<!--      Status of info module  -->

<!ELEMENT status      (plandata? , godk.tekn.ih? , fastst.pres? ,
      fastst.konfig? , upphavd?) >
<!ATTLIST status
      utgdatt      NUTOKEN      #IMPLIED
      revdat      NUTOKEN      #IMPLIED
>

```

<!-- Planning information regarding info module or infoproduct module -->

<!ELEMENT plandata EMPTY >

<!ATTLIST plandata

| | | |
|-----------------|----------------------|----------|
| behovsdat | NUTOKEN | #IMPLIED |
| behovsprioritet | (normal , prioritet) | #IMPLIED |
| planautglev | NUTOKEN | #IMPLIED |
| planfutiglev | NUTOKEN | #IMPLIED |

>

<!-- Approval of technical content in info module -->

<!ELEMENT godk.tekn.ih EMPTY >

<!ATTLIST godk.tekn.ih

| | | |
|------------|-----------------------|-----------|
| gdk.beslut | (godkand , ejgodkand) | #REQUIRED |
| gdk.org | CDATA | #REQUIRED |
| gdk.namn | CDATA | #REQUIRED |
| gdk.dat | NUTOKEN | #REQUIRED |

>

<!-- Confirmation of presentation of infoproduct module -->

<!ELEMENT fastst.pres EMPTY >

<!ATTLIST fastst.pres

| | | |
|------------|---------|-----------|
| fst.p.org | CDATA | #REQUIRED |
| fst.p.namn | CDATA | #REQUIRED |
| fst.p.dat | NUTOKEN | #REQUIRED |
| fst.p.dok | CDATA | #IMPLIED |

>

<!-- Confirmation of configuration of infoproduct module -->

<!ELEMENT fastst.konfig EMPTY >

<!ATTLIST fastst.konfig

| | | |
|------------|---------|-----------|
| fst.k.org | CDATA | #REQUIRED |
| fst.k.namn | CDATA | #REQUIRED |
| fst.k.dat | NUTOKEN | #REQUIRED |
| fst.k.dok | CDATA | #IMPLIED |

>

<!-- Revokation of info module or infoproduct module -->

<!ELEMENT upphavd EMPTY >

<!ATTLIST upphavd

| | | |
|----------|---------|-----------|
| uph.org | CDATA | #REQUIRED |
| uph.namn | CDATA | #REQUIRED |
| uph.dat | NUTOKEN | #REQUIRED |

>

<!-- Information on producer of info module or infoproduct module -->

<!ELEMENT proddata EMPTY >

<!ATTLIST proddata

| | | |
|-------------|-------|-----------|
| producent | CDATA | #REQUIRED |
| p.pubansvar | CDATA | #REQUIRED |
| p.sakansvar | CDATA | #REQUIRED |

>

```

<!--      Information on responsible FMV staff  -->

<!ELEMENT fmvddata      (handl+) >
<!ATTLIST fmvddata
          %Id.att;
>

<!--      Responsible person at FMV  -->

<!ELEMENT handl          EMPTY >
<!ATTLIST handl
          f.admorg      CDATA      #REQUIRED
          f.admnamn     CDATA      #REQUIRED
          handl.typ     CDATA      #REQUIRED
>

<!--      Information on changes  -->

<!ELEMENT andrdata      (andrings)+ >

<!--      Change  -->

<!ELEMENT andrings      (andrtext , ersattinfomodul*) >
<!ATTLIST andrings
          andr.nr       NUMBER      #REQUIRED >

<!--      Change description  -->

<!ELEMENT andrtext      (%tecken; | betoning | hanvisning)+ >
<!ATTLIST andrtext
          %Id.att;
>

<!--      Replaced information module  -->

<!ELEMENT ersattinfomodul EMPTY >
<!ATTLIST ersattinfomodul
          id            ID          #REQUIRED >

<!-- *****
*              Information Product Module Elements              *
***** -->

<!--      Information product module  -->

<!ELEMENT infoprodmodul  (titel?, niv+) >
<!ATTLIST infoprodmodul
          boslevel      NUMBER      #IMPLIED
          unmspace      (unified | separate)      "unified"
          modulid       ID          #REQUIRED
          sekretess      (oppen , hemlig , kvalhemlig)      "oppen"
          syfte          CDATA      #REQUIRED
>

```

```

<!-- Presentation level (e.g. heading level) -->

<!ELEMENT niv      (titel? , (infoga.modul | niv)+) >
<!ATTLIST niv
      HyTime      NAME      #FIXED      "HyBrid"
      atlydnadskrav (direktiv | ej.direktiv)      #REQUIRED
      legal.status (foreskrift | allm.rad | avtalad) #REQUIRED
      andr.utg      NUMBER  #IMPLIED
>

<!-- Include Information Module (anchor) -->

<!ELEMENT infoga.modul      EMPTY >
<!ATTLIST infoga.modul
      HyTime      NAME      #FIXED      "clink"
      linkend      IDREF      #REQUIRED
      modultyp (system, funktion, konstruktion, konstr.funkt,
                foreskrift, handhavande, felsokning,
                felavhjalpning, period.uh, uh.atgard,
                oversyn, renovering, modifiering,
                forradsstallning, reservdelar, tillbehor,
                schema, tekngrunddata , underhallsdata,
                infoprodmodul, annan)      #REQUIRED
>

<!-- *****
*                               Link Module Main Structure                               *
***** -->

<!-- *****
*                               HyTime nameloc elements                               *
***** -->

<!-- Nameloc for modul anchor -->

<!ELEMENT nlok.modul      (lok.entity)>
<!ATTLIST nlok.modul
      HyTime      NAME      #FIXED      "nameloc"
      id      ID      #REQUIRED
>

<!-- Nameloc for span anchors -->

<!ELEMENT nlok.interv      (lok.interv) >
<!ATTLIST nlok.interv
      HyTime      NAME      #FIXED      "nameloc"
      id      ID      #REQUIRED
      spanloc      (spanloc)      #FIXED      "spanloc"
      limsort      (limsort | nlimsort)      "limsort"
>

<!-- Nameloc for single entity anchor -->

<!ELEMENT nlok.entity      (lok.entity) >
<!ATTLIST nlok.entity
      HyTime      NAME      #FIXED      "nameloc"
      id      ID      #REQUIRED
      ordering      (ordered | noorder) "noorder"
      set      (set | noset) "set"
      aggloc      (aggloc | agglink | nagg) "nagg"
>

```

```
<!ELEMENT nlok.elem      (lok.lokalid) >
<!ATTLIST nlok.elem
      HyTime      NAME      #FIXED      "nameloc"
      id          ID          #REQUIRED
      ordering     (ordered | noorder) "noorder"
      set          (set | noset) "set"
      aggloc       (aggloc | agglink | nagg) "nagg"
>
```

```
<!ELEMENT nlok.dok      (lok.entity?) >
<!ATTLIST nlok.dok
      HyTime      NAME      #FIXED      "nameloc"
      id          ID          #REQUIRED
      ordering     (ordered | noorder) "noorder"
      set          (set | noset) "set"
      aggloc       (aggloc | agglink | nagg) "nagg"
      dok.namn     CDATA      #IMPLIED
      dok.id       CDATA      #IMPLIED
      annan.info   CDATA      #IMPLIED
>
```

```
<!-- *****
*                               HyTime nmlist elements                               *
***** -->
```

```
<!ELEMENT lok.lokalid    (#PCDATA) >
<!ATTLIST lok.lokalid
      HyTime      NAME          #FIXED      "nmlist"
      nametype    (element | entity) #FIXED      "element"
      obnames     (nobnames | obnames) #FIXED      "nobnames"
      docorsub    ENTITY          #REQUIRED
>
```

```
<!ELEMENT lok.interv     (#PCDATA) >
<!ATTLIST lok.interv
      HyTime      NAME          #FIXED      "nmlist"
      nametype    (element | entity) #FIXED      "element"
      obnames     (nobnames | obnames) #FIXED      "nobnames"
      docorsub    ENTITY          #REQUIRED
>
```

```
<!ELEMENT lok.entity     (#PCDATA) >
<!ATTLIST lok.entity
      HyTime      NAME          #FIXED      "nmlist"
      nametype    (element | entity) #FIXED      "entity"
      obnames     (nobnames | obnames) #FIXED      "nobnames"
      docorsub    ENTITY          #IMPLIED
>
```

```

<!-- *****
*                               Admin and Objekt links                               *
***** -->

<!ELEMENT adm.lank      EMPTY>
<!ATTLIST adm.lank
      HyTime      NAME      #FIXED      "clink"
      id          ID        #IMPLIED
      linkend     IDREF     #REQUIRED
      anchrole    CDATA     #FIXED      "Module Admindata"
>

<!ELEMENT modul.lank    EMPTY>
<!ATTLIST modul.lank
      HyTime      NAME      #FIXED      "clink"
      id          ID        #IMPLIED
      linkend     IDREF     #REQUIRED
      anchrole    CDATA     #FIXED      "Module Admindata"
>

<!ELEMENT objekt        EMPTY>
<!ATTLIST objekt
      id          ID        #REQUIRED
      kontext     CDATA     #REQUIRED
      doman      NAMES     #REQUIRED
      iduppbyggnad CDATA     #REQUIRED
      objekt.id   CDATA     #REQUIRED
      objekt.namn CDATA     #IMPLIED
>

<!-- *****
*                               E N D   O F   F M V   G R U N D - D T D                               *
***** -->

```

Project definable attribute values

```
<!-- *****
*
*      Declaration of Project Definable Attribute Values
*      for FMV Grund-DTD
*      Version 2.0
*      October 30, 1997
*
*
*      Developed by
*      Leif Karlsson, Enator Information Management and
*      Peter Bergström EuroSTEP AB
*      for Försvarets Materielverk
*
* (C) Försvarets materielverk 1997.
* FMV Grund-DTD and it's documentation is the property of FMV
* and held in trust by FMV CALS Office. 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
* TDOK department.
*
*****
* Typical Invocation:
* <!ENTITY % projdef PUBLIC
*      "-//SWE-FMV//ENTITIES FMV Grund-DTD 2.0 Project Values//EN"
*      "projdef.ent" >
* &projdef;
*
***** -->

<!-- *****
* Change History:
*
* 1997-10-31 Revision 2.0:
* Removed project definable attribute values: mtrltyp.varden
*                                              mtrltyp.alt.varden
*                                              tabsklass.varden
*                                              obj.repres.varden
*
* 1995-06-01 Revision 1.10:
* Recommended values added for some entities (instead of
* examples).
* New project definable attribute values: uhniva.varden
*                                          modulstatus.varden
*
* 1994-10-01 Review update:
* No changes
*
* 1994-06-30 Bug update:
* Changes in descriptive comments.
* New project definable attribute values: mtrltyp.varden
*                                          mtrltyp.alt.varden
*
* 1994-05-31 Release version 1
*
***** -->
```

```
<!-- *****
* The purpose of the following entity declarations is to enable a
* standardized use of certain values in attributes. Those values are
* as a default declared as CDATA, which means they can be any text.
* The reason for this is that the requirements for values are very
* different between material system and defense branches. It is
* however the intention that they all are specified and standardized
* within each material system (or if possible one of the defense
* branches). The specific values should be defined during the
* information analysis.
*
* The project specific values are placed in a separate file (make a
* copy of this file) with a new name, indicating the project or
* usage, and must be part of the delivery to FMV. The file may be
* invoked as part of the DTD from the document instance
* declaration subset, or by redirecting the public entity calling
* the original file.
*
* To enter predefined values, substitute the CDATA string in the
* declaration with a parenthesis containing the values, all
* separated by a comma (and optional spaces), as shown in the
* examples. Only NAME characters are allowed in values:
*   characters A-Z, a-z
*   figures 0-9
*   period (.)
*   dash (-)
*
* SGML parsing errors may occur due to duplicate use of names in one
* attribute specification list (i.e. the same value is used in
* another attribute in the same element). That's the reason for the
* concluding full stops at the example values of parameter entity
* %mtrltyp.alt.varden (same names, but without full stops, are used
* in %mtrltyp.varden). Be cautious of this limitation when values
* are assigned to the parameter entities.
***** -->

<!-- *****
*
*           A T T R I B U T E   V A L U E S
***** -->

<!--

Values for Type of Regulation

Used in Module Start Element 'foreskrift' ,
and in Element 'foreskr' in Element 'fore' in all procedural information.
Example: ' (miljo , skydd , sakerhet) '

-->

<!ENTITY % foreskr.typ.varden 'CDATA' >

<!--

Values for Time Intervals for Periodic Maintenance

Used in Module Start Elements 'period.uh' and 'oversyn'
Example: ' (dag , vecka , manad , 6man , 12man) '

-->

<!ENTITY % tidsintervall.varden 'CDATA' >
```



```
<!--

Values for Operation Intervals for Periodic Maintenance
Used in Module Start Elements 'period.uh' and 'oversyn'
Example:  ' (100mil , 500mil , 1000mil , 100skott , 500skott) '

-->

<!ENTITY % driftintervall.varden 'CDATA' >

<!--

Values for Usage Status

Used in Module Start Elements 'period.uh'
Example:  ' (forradsstalld , ejforradsstalld) '

-->

<!ENTITY % anvstatus.varden 'CDATA' >

<!--

Values for Operation Status for Periodic Maintenance

Used in Module Start Element 'period.uh'
Example:  ' (fore.anv , under.uppeh , efter.anv , vid.tankn) '

-->

<!ENTITY % driftlage.varden 'CDATA' >

<!--

Values for Types of Maintenance Task

Used in Module Start Element 'uh.atgard'
Example:  ' (bort , dit , isär , ihop , just , inst , smorjn ,
           kalibr , rengor , packn , uppackn , kamofler) '

-->

<!ENTITY % uhatgard.typ.varden 'CDATA' >

<!--

Values for Types of Test Suites

Used in Module Start Element 'kontroll'
Example:  ' (system , funktion , prestanda , tillstand) '

-->

<!ENTITY % kontrolltyp.varden 'CDATA' >
```

```
<!--

Values for Storage Status

Used in Module Start Element 'forradsstallning'
Example: ' (fore.forv , forradsstallning , vid.utlamning) '

-->

<!ENTITY % forradslage.varden 'CDATA' >

<!--

Values for Storage Hand Out

Used in Module Start Element 'forradsstallning'
Example: ' (fred , mobilisering) '

-->

<!ENTITY % utlamningslage.varden 'CDATA' >

<!--

Values for Type of Diagram

Used in Module Start Element 'schema'
Example: ' (princip , block , krets , koppl ,
          fluid , disposition , oversikt) '

-->

<!ENTITY % schematyp.varden 'CDATA' >

<!--

Values for Descriptive Information Type Classification
(required headings etc)

Used in Elements 'avsnitt' and 'foreskr.avsnitt'
Example: ' (overgripande , historik , ing.objekt , uppgifter ,
          funktioner , taktiska.funkt , taktiska.delfunkt ,
          tekniska.funkt , tekniska.delfunkt ,
          prestanda , kallforteckning) '

-->

<!ENTITY % avsnittstyp.varden 'CDATA' >

<!--

Values for Type of Action for Storage

Used in Element 'forrads.atgard' (in Module 'forradsstallning')
Example: ' (kontroll , just , byte , smorjn , pafylln ,
          torrluftsforvaring) '

-->

<!ENTITY % forrads.atgardtyp.varden 'CDATA' >
```

```
<!--  
  
Values for Type of Data  
  
Used in Element 'grunddata' (in Module 'tekngrunddata')  
Example: ' (admin , fys) '  
  
-->  
  
<!ENTITY % datatyp.varden 'CDATA' >  
  
  
<!--  
  
Types of Target Groups  
  
Used in Root element 'fmvgrund'  
Recommended use: Use all, or a subset, of the following values:  
                forare , laddare , skytt , vagnchef ,  
                erfaren , nyborjare ,  
                elektriker , mekaniker , allm.tekniker ,  
                alla  
  
Any extension to the recommended values here must be reported to FMV.  
  
-->  
  
<!ENTITY % malgrupp.varden 'CDATA' >  
  <!--  
  
Types of Special Conditions  
  
Used in Root element 'fmvgrund'  
Recommended use: Use all, or a subset, of the following values:  
                krig , kris , fred ,  
                kyla , normal.temp , hetta ,  
                alla  
  
Any extension to the recommended values here must be reported to FMV.  
  
-->  
  
<!ENTITY % specforutsattn.varden 'CDATA' >  
  
  
<!--  
  
Language Types  
  
Used in Root element 'fmvgrund'  
Recommended use: Use all, or a subset, of the following values:  
                svenska , engelska , tyska  
  
Any extension to the recommended values here must be reported to FMV.  
  
-->  
  
<!ENTITY % sprak.varden 'CDATA' >
```

```

<!--

Level of maintenance

Used in Root element 'fmvgrund'
Recommended use: Use all, or a subset, of the following values:
    A , B , C , xxx

Any extension to the recommended values here must be reported to FMV.

-->

<!ENTITY % uhniva.varden 'CDATA' >

<!--

Module status

Used in Root element 'fmvgrund'
Recommended use: Use all, or a subset, of the following values:
    planerad , arbetsutg , godkand , faststalld , upphavd

Any extension to the recommended values here must be reported to FMV.

-->

<!ENTITY % modulstatus.varden 'CDATA' >

<!--

Values for Warning Type Classification (for formatting reasons mainly)

Used in Element 'varn'
Example:  ' (hogspanning , klamskada , fratskada , brannskada ,
           allvarlig.maskinskada)  #IMPLIED '

It's also possible to define a default value here:
Example:  ' (hogspanning , klamskada , fratskada , brannskada ,
           allvarlig.maskinskada)  "klamskada" '

-->

<!ENTITY % varntyp.varden.def 'CDATA  #IMPLIED' >

<!--

Values for Observe Type Classification (for formatting reasons mainly)

Used in Element 'obs'
Example:  ' (maskinskada , personskada)  #IMPLIED '

It's also possible to define a default value here:
Example:  ' (maskinskada , personskada)  "maskinskada" '

-->

<!ENTITY % obstyp.varden.def 'CDATA  #IMPLIED' >

<!-- *****
*           E N D   O F   P R O J E C T   D E F I N E D   V A L U E S           *
***** -->

```