

## —— 6 ——

# Description of elements and attributes

*Elements are listed in alphabetical order, and are presented with the attributes connected to the element.*

*Some attributes are defined in parameter entities, indicated by a percent sign before the name. Those parameter entities are described in the section called "Description of Parameter Entities", or if they contain only attribute values, in section "Description of Project Definable Attribute Values".*

## Conventions used

The following typographic conventions have been used in this section:

- Explanations and examples given in Swedish are indicated with italic typeface:  
*svenska*
- Element names are surrounded by less-than and greater-than signs:  
<element.name>
- Attribute names and values are surrounded by double quotation marks:  
"attribute.name"  
"attribute.value"

## Changes in version 2.0

The following elements have been changed, added or deleted:

ELEMENT NAME	CHANGE	CHANGES
<b>Admindata</b>	Changed	Contains changed
<b>Adm.lank</b>	New	
<b>Adr.entity</b>	Deleted	
<b>Adr.inuti</b>	Deleted	
<b>Adr.modul</b>	Deleted	
<b>Adr.objekt</b>	Deleted	
<b>Andrtext</b>	Changed	Attribute IHREF removed
<b>Anm</b>	Changed	Contained in changed
<b>Antal</b>	Changed	Contained in changed
<b>Aterst.atgard</b>	Changed	Contains changed
<b>Avslutning</b>	Changed	Contains changed, attribute Titel removed
<b>Beskr.block</b>	Changed	Contains changed
<b>Bild</b>	Changed	Contained in changed, attributes bredd and hojd have changed from Required to Implied
<b>Bild.poslista</b>	Changed	Attribute Andr.utg removed
<b>Cell</b>	Deleted	
<b>Colspec</b>	New	
<b>Detalj</b>	Changed	Contains and Contained in changed, attributes IHREF, Mtrltyp and Mtrltyp.alt removed, attribute Andr.utg added
<b>Detalj.uppg</b>	Changed	Contains changed
<b>Dirtext</b>	Changed	Contains and Contained in changed
<b>Drift.atgard</b>	Changed	Contained in changed, attribute Titel removed
<b>Entry</b>	New	
<b>Fben</b>	Changed	Contained in changed, attribute IHREF removed
<b>Fbet</b>	Changed	Contained in changed
<b>Felavhj.atgard</b>	Changed	Contains changed, attribute Titel removed
<b>Felavhj.alpning</b>	Changed	Contains changed
<b>Felsokn.del</b>	Changed	Contains changed, attribute Titel removed
<b>Felsokning</b>	Changed	Contains changed
<b>Fmvdata</b>	Changed	Contained in changed, attribute IHREF removed
<b>Fmvgrund</b>	New	
<b>Forb.atgard</b>	Changed	Contains changed

ELEMENT NAME	CHANGE	CHANGES
<b>Forbrmtrl.lista</b>	Changed	Infoga.nonsgml has changed from occurring zero or one time to occur zero or more times
<b>Foreskr.block</b>	Changed	Contains changed
<b>Foreskrift</b>	Changed	Contains changed
<b>Forrads.atgard</b>	Changed	Contains changed, attribute Titel removed
<b>Forradsst.del</b>	Changed	Contains changed, attribute Titel removed
<b>Forradsstallning</b>	Changed	Contains changed
<b>Funktion</b>	Changed	Contains changed
<b>Gen.anvisn</b>	Changed	Contains changed
<b>Grunddata.block</b>	Changed	Contains changed, attribute Blocktitel removed
<b>Handhavande</b>	Changed	Contains changed
<b>Hanvisning</b>	Changed	All the content have changed
<b>Hytime.adresser</b>	New	
<b>Infoga.modul</b>	Changed	Contains and usage changed, attribute Andr.utg and ID removed, attribute Linkend added
<b>Infoga.nonsgml</b>	Changed	Contained in changed
<b>Infoga.uppg</b>	Deleted	
<b>Infoprodmodul</b>	Changed	Contains changed, attributes Boslevel and Unmspace added, attributes Hytime and Titel removed
<b>Inledning</b>	Changed	Contains changed, attribute Titel removed
<b>Kolhuvud</b>	Deleted	
<b>Kompinfo</b>	Changed	Contains changed
<b>Kompl.info</b>	New	
<b>Komponent</b>	Changed	Contains changed
<b>Konstr.funkt</b>	Changed	Contains changed
<b>Konstruktion</b>	Changed	Contains changed
<b>Kontroll</b>	Changed	Contains changed
<b>Kontroll.atgard</b>	Changed	Contains changed, attribute Titel removed
<b>Kontroll.del</b>	Changed	Contains changed, attribute Titel removed
<b>Lankar</b>	Deleted	
<b>Link.elem</b>	Deleted	
<b>Lnk.admin</b>	Deleted	
<b>Lnk.hanv</b>	Deleted	
<b>Lnk.inf.data</b>	Deleted	
<b>Lnk.inf.fragm</b>	Deleted	
<b>Lnk.nonsgml</b>	Deleted	
<b>Lnk.objekt</b>	Deleted	
<b>Lok.entity</b>	Changed	Contained in changed
<b>Lok.indirekt</b>	Deleted	

ELEMENT NAME	CHANGE	CHANGES
<b>Lok.lokalid</b>	Changed	Contained in changed
<b>Mod.atgard</b>	Changed	Contains changed, attribute Titel removed
<b>Modifying</b>	Changed	Contains changed
<b>Moduladmin</b>	Changed	Contains changed
<b>Modul.lank</b>	New	
<b>Moment.block</b>	Changed	Contains changed
<b>Mtrl.uppg</b>	Changed	Contains changed, Usage changed
<b>Mtrldata</b>	Deleted	
<b>Niv</b>	Changed	attributes atlydnadskrav and legal.status added
<b>Nlok.dok</b>	Changed	Contained in changed
<b>Nlok.elem</b>	Changed	Contained in changed
<b>Nlok.entity</b>	Changed	Contained in changed
<b>Nlok.infdata</b>	Deleted	
<b>Nlok.interv</b>	Changed	Contained in changed
<b>Nlok.modul</b>	Changed	Contained in changed, attributes Malgrupp, Modulstatus, Specforutsattn, Sprak and Uh.niva removed.
<b>Nlok.multobj</b>	Deleted	
<b>Nlok.nsgml</b>	Deleted	
<b>Nlok.varianter</b>	Deleted	
<b>Objekt</b>	Changed	Contained in changed, Usage changed
<b>Oversyn</b>	Changed	Contains changed
<b>Oversyn.atgard</b>	Changed	Contains changed, attribute Titel removed
<b>Oversyn.del</b>	Changed	Contains changed, attribute Titel removed
<b>Period.uh</b>	Changed	Contains changed, attributes Berord.mtrl.funkt and Sammanf.atgarder have changed from Required to Implied
<b>Peruh.atgard</b>	Changed	Contains changed, attribute Titel removed
<b>Peruh.del</b>	Changed	Contains changed, attributes Berord.mtrl.funkt and Sammanf.atgarder have changed from Required to Implied
<b>Posnr</b>	Changed	Attribute Bildref added
<b>Rad</b>	Deleted	
<b>Row</b>	New	
<b>Ref.bildpos</b>	Deleted	
<b>Refbet</b>	Changed	Contained in changed
<b>Renov.atgard</b>	Changed	Contains changed, attribute Titel removed
<b>Renovering</b>	Changed	Contains changed
<b>Reservdel.lista</b>	Changed	Infoga.nonsgml has changed from occurring zero or one time to occur zero or more times
<b>Reservdelar</b>	Changed	Contains changed
<b>Satsinfo</b>	New	

ELEMENT NAME	CHANGE	CHANGES
<b>Schema</b>	Changed	Contains changed
<b>Schemablad</b>	Changed	Attributes Bredd and Hojd have changed from Required to Implied
<b>Sekv.block</b>	Changed	Contains changed
<b>Sekv.block.sub</b>	Changed	Contains changed
<b>Sekvens</b>	Changed	Contains changed, attribute Titel removed
<b>Sekvens.sub</b>	Changed	Contains changed, attribute Titel removed
<b>Specverktyg.lista</b>	Changed	Infoga.nonsgml has changed from occurring zero or one time to occur zero or more times
<b>Stdverktyg.lista</b>	Changed	Infoga.nonsgml has changed from occurring zero or one time to occur zero or more times
<b>Spanspec</b>	New	
<b>System</b>	Changed	Contains changed
<b>Tabell</b>	Deleted	
<b>Table</b>	New	
<b>Tabell.block</b>	Deleted	
<b>Tbody</b>	New	
<b>Tecken.for.tecken</b>	Changed	Contained in changed
<b>Tekngrunddata</b>	Changed	Contains changed
<b>Text</b>	Changed	Contains and contained in changed
<b>Tgroup</b>	New	
<b>Thead</b>	New	
<b>Tillbehor</b>	Changed	Contains changed
<b>Titel</b>	Changed	Contained in changed
<b>Title</b>	New	
<b>Uh.atgard</b>	Changed	Contains changed
<b>Uh.atgard.del</b>	Changed	Contains changed, attribute Titel removed
<b>Uhdata.block</b>	Changed	Contains changed, attribute Blocktitel removed
<b>Underhallsdata</b>	Changed	Contains changed
<b>Uppst</b>	Changed	Contains changed, attribute Titel removed

## ADM.LANK

### Link between Information Module and Admindata module

*Länk mellan Informationsmodul och Admindatamodul*

- Definition:** A link that connects an information module to its administrative data in the admindata module
- Contains:** EMPTY
- Contained in:** Fmvgrund
- Usage:** Each information module can have one corresponding 'adm.lank' that connects it with its administrative data within the admindata module. The first anchor point, 'Module' is always an information module. The second anchor point, 'Admindata' is always an element of type 'moduladmin'. For further explanations, see the HyTime standard (ISO 10744), clause 9.2.2.

### Attributes:

#### ANCHROLE

Anchor roles

*Ankarroller*

**Definition:** HyTime attribute: Defines the roles of the anchors.

**Type/Values:** Fixed CDATA

**Default:** Fixed value that differs depending on element. The first value corresponds to the first linkend (attribute 'linkends'), the second value to the second linkend.

The keyword '#AGG' after an anchrole value indicates that multiple anchors may be treated as an aggregate (which means that they are thought of as being one object).

Fixed value on this element is Module Admindata

**Usage:** The 'anchrole' values differs between links, but it is always a fixed value that must not be changed. An application can build it's processing around anchor roles, but they have no other meaning in HyTime.  
For further explanations, see the HyTime standard (ISO 10744), clause 9.2.1.

---

## HYTIME

HyTime architectural form

*HyTime-namn*

Definition: HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

Type/Values: NAME

Default: Fixed value depending on element:

HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.

HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.

clink: The element is a HyTime Contextual Link Element

nameloc: The element is a HyTime Name Location Element

nmllist: The element is a HyTime Name List Element

Fixed value on this element is clink

Usage: The HyTime values differs between elements, but it is always a fixed value that must not be changed.

For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## ID

Identity

*Identitet*

Definition: Reference identity of the element.

Type/Values: ID

Default: Required or implied depending on element.

Usage: Used to identify the element to enable referring by use of HyTime. Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## LINKEND

Link End

*Definierar länkens ände*

Definition: Hytime attribute: Defines the link end, used by the link. Points to location elements (nameloc).

Type/Values: IDREF

Default: Required

Usage: The ID value of the nameloc element used by the link must be entered in this attribute. For further explanations, see HyTime standard (ISO 10744), clause 9.2.2.

## ADMINDATA

### Administrative Data

#### *Administrativa Data*

- Definition:** Start element of information module containing administrative data.
- Contains:** titel? , moduladmin+
- Contained in:** Fmvgrund
- Usage:** Start element of the information module containing administrative data, used for information exchange of administrative data regarding information modules and information product modules. Contains attributes for identification.  
For each exchange of information modules there must be at least one admindata module, and the admindata module(s) must contain information on all information modules to be exchanged.

#### Attributes:

##### MODULID

Module identification

*Identifiering av modul*

**Definition:** A unique identifier for a unique information module

**Type/Values:** ID

**Default:** Required

**Usage:** Module ID's should be a unique identifier throughout the materiel system, but it is not a requirement.

## ANDRDATA

### Change information

#### *Ändringsdata*

- Definition:** Information regarding changes of the information module or IPM.
- Contains:** andring+
- Contained in:** moduladmin
- Usage:** Record of changes and reason for changes since first issue.

#### Attributes:



## ANDRING

### Change

#### *Ändring*

- Definition:** Information regarding changes, made in one issue of the information module or IPM.
- Contains:** andrtext , ersattinfomodul\*
- Contained in:** andrdata
- Usage:** Each new issue should be given a new element of this type. The content of this element should describe all changes that are relevant to end users or FMV officials, both verbally and by indicating replaced infomodules. It is also possible to use references (hanvisning) to the changed elements in the information module or IPM

### Attributes:

#### ANDR.NR

Change issue number

*Ändringsutgåvenummer*

**Definition:** Defines the change issue number of an information module or IPM.

**Type/Values:** NUMBER

**Default:** Required

Required for this element.

**Usage:** A number, incremented for new version being exchanged, starting at "1".

## ANDRTEXT

### Change description

#### *Ändringstext*

- Definition:** Short description, intended for end users, of changes and reason for changes for a new issue.
- Contains:** (%tecken; | betoning | hanvisning)+
- Contained in:** andring
- Usage:** The reason for change, e.g. change proposal number, and a verbal description of the changes made is typically entered in this element.

### Attributes:

#### %ID.ATT

See Description of Parameter Entities

## ANM

### Note

*Anmärkning*

**Definition:** Identifies a note and its sub-elements.

**Contains:** anm.text , (anm.text | anm.uppst)\*

**Contained in:** felkod, foreskr.avsnitt, foreskr.block, grunddata, grunddata.block, %dirprim, %infoprim, %vad, punkt, punkt.sub, sekv.block, sekv.block.sub, sekvens, sekvens.sub, tekngrunddata, uhdata, uhdata.block, underhallsdata, lamplfelavhj, entry

**Usage:** A note is regarded as additional information, that is not essential to understand and perform the task.  
The "heading" (usually the wording "Anm:") is supposed to be automatically generated by the system, as are other formatting. Do not enter the heading in this element or any of it's sub-elements.

### Attributes:

%ID.ATT See Description of Parameter Entities

## ANM.PUNKT

### Note list item

*Listpunkt i anmärkning*

**Definition:** Identifies a list item in a list in Note <anm-uppst>.

**Contains:** (%tecken; | hanvisning)+

**Contained in:** anm.uppst

**Usage:** Used to produce list elements in a list <anm.uppst> in note elements <anm>. The list element can contain only one single text paragraph, and no sub-lists.

### Attributes:

## ANM.TEXT

### Note text

*Text i anmärkning*

**Definition:** Text paragraph of a note

**Contains:** (%tecken; | hanvisning)+

**Contained in:** anm

**Usage:** Contains the actual text of a note <anm>. If several text paragraphs are desired, it may be repeated.

### Attributes:

%ID.ATT See Description of Parameter Entities

## ANM.UPPST

### Note list

*Punktuppstallning i Anmarkning*

**Definition:** A list in a note.

**Contains:** anm.punkt+

**Contained in:** anm

**Usage:** Lists in Note can only contain one level. The order between the items are of no importance, ordered list cannot exist in notes.

### Attributes:

%ID.ATT See Description of Parameter Entities

## ANTAL

### Quantity

*Antal*

**Definition:** Gives the number of occurrences of the following <detail> in the current system or assembly.

**Contains:** #PCDATA

**Contained in:** detalj.uppg, komponent,

**Usage:** This element is used to show how many pieces of a certain detail that are used in the topical position.  
The content of this element should be a number.

### Attributes:

## ATERST.ATGARD

### Reset task

*Återställningsåtgärd*

**Definition:** A single reset task

**Contains:** titel? , %vad;

**Contained in:** aterstallning

**Usage:** Each reset task should be placed in it's own element of this type.

### Attributes:

%ID.ATT See Description of Parameter Entities

## ATERSTALLNING

### Reset

#### *Återställning*

**Definition:** Gives the resetting actions to be taken after the execution of a procedure

**Contains:** aterst.atgard+

**Contained in:** efter

**Usage:** This element is used to enclose all needed resettings after a procedure is executed.

### Attributes:

%ID.ATT See Description of Parameter Entities

## AVSLUTNING

### Deskriptive completion

#### *Beskrivande avslutning*

**Definition:** Descriptive information regarding the post-conditions.

**Contains:** titel , (%infoprim;)+

**Contained in:** efter

**Usage:** This element can be used as an introductory piece of information for the post-conditions.

### Attributes:

%ID.ATT See Description of Parameter Entities

## AVSNITT

### Descriptive Section

#### *Avsnitt/kapitel i beskrivande text*

**Definition:** A section (part) of descriptive information.

**Contains:** titel , (%infoprim; | beskr.block)\* , avsnitt\*

**Contained in:** avsnitt, funktion, konstr.funkt, konstruktion, system

**Usage:** Each part of descriptive information should be placed in it's own <avsnitt>, whether it is called "chapter", "section", "subsection", etc. A <avsnitt> may contain <avsnitt>s, which then constitutes parts of a part.

### Attributes:

%ID.ATT See Description of Parameter Entities

### AVSNITTSTYP

#### Section type

#### *Typ av avsnitt*

**Definition:** Type of section, as defined by project.

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

Default:	Implied
Usage:	<p>This attribute is intended to separate types of sections, or classes of sections, in descriptive information. Section types can for instance be derived from standard headings.</p> <p>In a future it is possible that the structure for descriptive information is taken further, based on the values given here by different projects.</p> <p>The values of this attribute must be defined by each project.</p> <p>See further Parameter Entity "avsnittstyp.varden" in chapter 8.</p>

## BESKR.BLOCK

### Block for descriptive information

*Block för beskrivande information*

<b>Definition:</b>	An association or grouping of descriptive information with an internal relationship.
<b>Contains:</b>	titel? , (%infoprim;   beskr.block)+
<b>Contained in:</b>	avsnitt, beskr.block
<b>Usage:</b>	<p>Used to group information that is related to each other, and that is not already associated or grouped by the DTD structure itself.</p> <p>Example: Text and figure, which must not be put on different pages at printing or must be displayed on the screen simultaneously.</p>

### Attributes:

%BLOCK.ATT	See Description of Parameter Entities
%ID.ATT	See Description of Parameter Entities

## BESTKOD

### Ordering Code

*Beställningskod*

<b>Definition:</b>	Code denoting by which maintenance level ordering is done.
<b>Contains:</b>	#PCDATA
<b>Contained in:</b>	detalj
<b>Usage:</b>	Contains a singel character code denoting where responsibility for ordering pertains (related to maintenance level).

### Attributes:

## BETONING

### Emphasis

*Betonad text*

- Definition:** Text that should be emphasized.
- Contains:** (%tecken;)+
- Contained in:** andrtext, dirttext, posttext, text
- Usage:** Used to produce an emphasis of the text, such as bold, italics or highlight. The format (typeface etc.) of the emphasis is decided by the format specification. There is only one type of emphasis available in an information module, i.e. for a <betoning> in a given place, you cannot have two different types of emphasis formatting.  
This is one of the "inline text elements" that can exist almost everywhere in the information module where text is allowed.

### Attributes:

## BILD

### Figure

*Bild; Illustration*

- Definition:** Defines the position, size, and content of a figure (or figure anchor).
- Contains:** titel? , infoga.nonsgml , bild.poslista?
- Contained in:** entry, felavhjalpning, foreskr.avsnitt, foreskr.block, forradsstallning, grunddata.block, handhavande, kontroll, modifiering, oversyn, %dirprim, %infoprim, %vad, period.uh, punkt, punkt.sub, renovering, sekv.block, sekv.block.sub, sekvens, sekvens.sub, uh.atgard, grunddata.block, uhdata.block
- Usage:** The figure contains a title ("rubrik") <bild-titel>, the graphics anchor ("själva illustrationen") <infoga-nonSGML>, and an optional call-out description list ("poslista eller posnyckel") <bild-poslista>.  
The tag <bild> contains most of the attributes that defines the figure.

### Attributes:

%ID.ATT See Description of Parameter Entities

## BILDPRESENTATION

Figure presentation

*Bildpresentation*

- Definition:** Defines how and where the figure should be presented on-screen.
- Type/Values:** itext = in the text flow  
separat = in a separate window
- Default:** Implied (Null implies "itext")
- Usage:** By use of this attribute it is possible for the author to indicate that he wants the figure to be presented in a separate window. This might be the case for a very complicated and/or large figure, or if it is being referenced to from many places in the text (compare with a "fold-out").

## BREDD

Width

*Bredd*

Definition: Width of the figure space.

Type/Values: NUMBER

Default: Implied

Usage: Defines the horizontal space of the figure, including possible white space to the right and left.

A project may define standardized figure sizes. However, to conform to the Grund-DTD the value here must be a number (An application DTD might use a name group of values, and then convert to number at delivery. Just ensure that the value in attribute "mattenhet" corresponds).

## HOJD

Height, depth

*Hojd*

Definition: Vertical height of figure space.

Type/Values: NUMBER

Default: Implied

Usage: Defines the vertical space of the figure, including figure title <titel> and possible white space above and below.

A project may define standardized figure sizes. However, to conform to the Grund-DTD the value here must be a number (An application DTD might use a name group of values, and then convert to number at delivery. Just ensure that the value in attribute "mattenhet" corresponds).

## MATTENHET

Unit of measurement

*Måttenhhet*

Definition: Defines the unit of measurement for the width and height of the figure.

Type/Values: mm = unit is millimeter  
cm = unit is centimeter  
pica = unit is pica

Default: mm

Usage: Defines the unit of measurement for the attributes "bredd" (width) and "hojd" (height) of this element.

## BILD.POSLISTA

### Figure call-out description list

*Positionslista ("poslista" eller "posnyckel")*

**Definition:** List of figure call-out descriptions.

**Contains:** bildpos+

**Contained in:** bild

**Usage:** The call-out description list can be part of the information module text (in which case this element is used), or of the graphics (do not use this element). If it is part of the graphics it will not be accessible through SGML, and it might not be readable, depending on media, resolution, and graphics format. It will, however, be positioned inside the graphics area. If it is part of the SGML text, it will be positioned in the normal flow of text, possibly after the figure.

## Attributes:

### ID

Identity

*Identitet*

Definition: Reference identity of the element.

Type/Values: ID

Default: Required or implied depending on element.

Required on this element.

Usage: Used to identify the element to enable referring by use of HyTime.  
Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## BILDPOS

### Figure call-out Description

*Bildpos*

**Definition:** The definition or name of the called-out object.

**Contains:** posnr , postext

**Contained in:** bild.poslista

**Usage:** The explanation of the call-out is entered as data.  
The number of the call-out that is being described is entered in <posnr>. Since graphics formats do not include functions for SGML references today, this number is not supposed to be automatically generated.

## Attributes:

%ID.ATT See Description of Parameter Entities

## COLSPEC

### Column specification

*Beskrivning av kolumn*

**Definition:** Contains a column specification for each column present

**Contains:** EMPTY

**Contained in:** tgroup

**Usage:** Used to specify each column present. Contain attributes to define column widths, column names, and defaults for border lines and text alignment.

## Attributes:

### ALIGN

Text alignment

*Positionering av text*

Definition: Horizontal alignment of table entry content.

Type/Values: left = quad flush left  
right = quad flush right



center = centered  
justify = both quad left and right  
char = align text to the leftmost occurrence of the value of the non-null attribute char value.

Default: Implied

Usage: This attribute controls horizontal alignment of text within the column or spanning columns. Applies to text that is #PCDATA or other in-line elements.

## CHAR

Alignment character

*Positionerande tecken*

Definition: Aligns text on a nominated character.

Type/Values: CDATA

Default: Implied

Usage: When the 'char' option is selected, further information is required. Both the character to be used for alignment, and the position of this character within the entry are needed. The significant character is specified in the Char attribute (typically, its value would be a full-point, '.', for alignment of decimal numbers in columns of figures).

## CHAROFF

horizontal offset

*Horisontell offset*

Definition: Horizontal offset of alignment character.

Type/Values: NUTOKEN

Default: Implied

Usage: Charoff attribute value must be a numeric token that represents a percentage offset from the left edge of the entry. A value of '25', for example, would place the left edge of the significant character a quarter of the width of the column from the left edge of the cell.

## COLNAME

Column name

*Namn på kolumn*

Definition: Attaches a user-defined name to a logical column number.

Type/Values: NMTOKEN

Default: Implied

Usage: Used to specify the position or horizontal span of columns in a row by reference in entry.

## COLNUM

Column number

*Nummer på kolumn*

Definition: Number of column, counting from 1 at left of the table.

Type/Values: NUMBER

Default: Implied

Usage: The value of column is not useful to identify a column in an entry, so serves no functional purpose other than consistency check on the order of the <colspec>s.

## COLSEP

Column separators

*Linjer för att separera kolumner*

Definition: Column separators (vertical ruling).

Type/Values: NUMBER

Default: Implied

Usage: Vertical border lines are defined using the Column separator attribute (Colsep). The attribute hold numeric values, where a value of '0' (zero) indicates no border line, and a value of '1' (one) represents the presence of a line. The default value is '1'.

## COLWIDTH

Column width

*Bredd på kolumn*

Definition: Column width specification

Type/Values: CDATA

Default: Implied

Usage: Used to determine the with of a specific column. Both propotional measure (5\*, 1\*) and fixed measure (2pt, 3 pica) are allowed.

## ROWSEP

Row separators

*Linjer för att separera rader*

Definition: Row separators (horizontal ruling).

Type/Values: NUMBER

Default: Implied

Usage: Horizontal border lines are defined using the Row separator attribute (Rowsep). The attribute hold numeric values, where a value of '0' (zero) indicates no border line, and a value of '1' (one) represents the presence of a line. The default value is '1'.

# DATABESKR

## Data description

*Databeskrivning*

**Definition:** Contains data that is not values with units, but text.

**Contains:** (%tecken;)+

**Contained in:** datavarde

**Usage:** Used to define such data as manufacturer's name (Volvo), direction of rotation (left) etc.

**Attributes:**

## DATANAMN

### Data Name

*Datanamn*

- Definition:** Contains information on e.g. which quantity the values (figures) represent.
- Contains:** (%tecken;)+
- Contained in:** grunddata, uhdata
- Usage:** A specification can cover excitation voltage, power consumption, direction of rotation, length, weight etc.

### Attributes:

## DATAVARDE

### Data value

*Datavärde*

- Definition:** Value of one technical data.
- Contains:** databeskr | (matetal , enhet?)
- Contained in:** grunddata, renovdata, repdata, tillvdata
- Usage:** The data value can be described in free text, or by using elements <matetal> and <enhet> for numerical value and unit.

### Attributes:

#### ID

##### Identity

*Identitet*

- Definition:** Reference identity of the element.
- Type/Values:** ID
- Default:** Required or implied depending on element.  
Required on this element.
- Usage:** Used to identify the element to enable referring by use of HyTime.  
Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## DETALJ

### Detail

*Detalj*

- Definition:** A single detail of the materiel, identified as such.
- Contains:** (fbet , ksiffra?)? , fben , bestkod? , refbet , refbet.alt\* , specuppg\* , kuppg\* , iduppg\*
- Contained in:** detalj.uppg, kompinfo
- Usage:** Contains all information concerning the detail.

#### Attributes:

%ID.ATT

Identification attributes

*Identifieringsattribut*

Definition: See Parameter Entity List

Type/Values:

Default:

Required for this element.

Usage:

## DETALJ.UPPG

### Detail info

*Detaljuppgifter*

**Definition:** Information regarding a detail in a specific environment (the detail is connected to an illustration with call-outs)

**Contains:** (posnr? , antal? , (detalj | (fben , dirtext)) , detalj.uppg\*

**Contained in:** detalj.uppg, reservdelar, tillbehör

**Usage:** For each call-out in the illustration, a <detalj.uppg> should exist, but not necessarily on the same level.  
<detalj.uppg>s can be nested, i.e. they can contain other <detalj.uppg>.

#### Attributes:

%ID.ATT

See Description of Parameter Entities

## DIRTEXT

### Directive text

*Direktiv text.*

**Definition:** Identifies text in a information module as directive information.

**Contains:** (%tecken; | betoning | formel | hanvisning)+

**Contained in:** detalj.uppg, feltest, lamplfelavh, felyttring, foreskr, gen.anvisn, moment, %dirprim, ref.data, ref.installn, ref.kontroll, resultat, steg, steg.sub, troligorsak, verifiering

**Usage:** Data inside a <dirtext> element is often considered to be one separate text paragraph. Generally speaking, a <dirtext> element is supposed to contain only one instruction, one message. The information is supposed to be written in a directive style.

#### Attributes:

%ID.ATT

See Description of Parameter Entities

## DOKUMENTERING

## Documentation

## Dokumentering

**Definition:** Gives instructions regarding the documentation of the work that has been performed.

**Contains:** (%infoprims;)+

**Contained in:** after

**Usage:** Used when end user should be informed of how to document his work, or where to document it.

**Attributes:**

%ID.ATT	See Description of Parameter Entities
---------	---------------------------------------

**DRIFT.ATGARD**

## Operation task

*Driftåtgärd*

**Definition:** Operation task, for a specific handling of one object or function.

**Contains:** titel? , fore? , ((%vad;) | drift.atgard+ ) , efter?

**Contained in:** drift.atgard, handhavande

**Usage:** Each task to be performed should be placed in it's own element of this type. The task should be documented as a complete package of information, with specific pre- and post-conditions.

An operation task may also contain operation tasks, i.e. the element is recursive. This should be used sparsely, and only when it is not possible to divide the operation module instead.

**Attributes:**

%ID.ATT	See Description of Parameter Entities
---------	---------------------------------------

## EFTER

### Post-conditions

#### *Efterarbete*

- Definition:** Information about restoring after a procedure (operation, renovation, modification or a maintenance task).
- Contains:** avslutning? , ref.installn? , ref.kontroll? , aterstallning? , dokumentering?
- Contained in:** drift.atgard, felavhjalpning, felsokning, forrads.atgard, forradsstallning, handhavande, kontroll, kontroll.atgard, mod.atgard, modifiering, oversyn, oversyn.atgard, period.uh, peruh.atgard, renov.atgard, renovering, uh.atgard, uh.atgard.del, felavgransn
- Usage:** To be used for post-conditions information on e.g. adjustments, tests, documentation of work etc.  
Some examples:  
In Periodiskt underhåll (periodic maintenance) there can be information about discovered faults to be reported, how to complete a fault report, to update the test documentation.  
For Förrådsställning (storage instructions): filling out a "Förrådskort", "Kontrollapp", fault reports etc.  
For Installation, there are reports to fill in, surveys to order etc.

### Attributes:

%ID.ATT See Description of Parameter Entities

## ENHET

### Unit

#### *Enhet*

- Definition:** States the unit of measurement in which the data particular is presented.
- Contains:** (%tecken;)+
- Contained in:** datavarde
- Usage:** Contains the unit of measurement, but not the value. The possible space between value and measurement must be generated by the formatting, it is not part of this element or the element containing the value <matetal>.

### Attributes:

## ENTRY

### Table cell

#### *Tabellcell*

- Definition:** One cell in a table.
- Contains:** (text | tecken.for.tecken | anm | bild)\*
- Contained in:** row
- Usage:** This is the entry in the table.

---

**Attributes:**

**ALIGN**

Text alignment

*Positionering av text*

Definition: Horizontal alignment of table entry content.

Type/Values: left = quad flush left  
right = quad flush right  
center = centered  
justify = both quad left and right  
char = align text to the leftmost occurrence of the value of the non-null attribute char value.

Default: Implied

Usage: This attribute controls horizontal alignment of text within the column or spanning columns. Applies to text that is #PCDATA or other in-line elements.

**CHAR**

Alignment character

*Positionerande tecken*

Definition: Aligns text on a nominated character.

Type/Values: CDATA

Default: Implied

Usage: When the 'char' option is selected, further information is required. Both the character to be used for alignment, and the position of this character within the entry are needed. The significant character is specified in the Char attribute (typically, its value would be a full-point, '.', for alignment of decimal numbers in columns of figures).

**CHAROFF**

horizontal offset

*Horisontell offset*

Definition: Horizontal offset of alignment character.

Type/Values: NUTOKEN

Default: Implied

Usage: Charoff attribute value must be a numeric token that represents a percentage offset from the left edge of the entry. A value of '25', for example, would place the left edge of the significant character a quarter of the width of the column from the left edge of the cell.

**COLNAME**

Column name

*Namn på kolumn*

Definition: Attaches a user-defined name to a logical column number.

Type/Values: NMTOKEN

Default: Implied

Usage: Used to specify the position or horizontal span of columns in a row by reference in entry.

## COLSEP

Column separators

*Linjer för att separera kolumner*

Definition: Column separators (vertical ruling).

Type/Values: NUMBER

Default: Implied

Usage: Vertical border lines are defined using the Column separator attribute (Colsep). The attribute hold numeric values, where a value of '0' (zero) indicates no border line, and a value of '1' (one) represents the presence of a line. The default value is '1'.

## MOREROWS

Additional rows

*Antal rader i ett intervall*

Definition: Number of additional rows in a vertical span.

Type/Values: NUMBER

Default: Implied

Usage: Defines the number of rows over which a <entry> element spans. An implied attribute with a default value of '0', meaning no span. Larger values identify the number of extra rows to occupy beneath the current row.

## NAMEEND

Name of ending column

*Namn på slut-kolumn*

Definition: Name of ending column for a specific entry.

Type/Values: NMTOKEN

Default: Implied

Usage: The name of the last column in a spanning entry is placed in the Nameend attribute. The value must be some colname in a <colspec> of the current <tgroup>. The column must be to the right of the column identified by nameest.

## NAMEST

Name of the starting column

*Namn på start-kolumn*

Definition: Name of the starting column of a specific entry.

Type/Values: NMTOKEN

Default: Implied

Usage: The name of the first column in a spanning entry is placed in the Name Start attribute. The value must be some colname in a <colspec> of the current <tgroup>.



## ROWSEP

Row separators

*Linjer för att separera rader*

Definition: Row separators (horizontal ruling).

Type/Values: NUMBER

Default: Implied

Usage: Horizontal border lines are defined using the Row separator attribute (Rowsep). The attribute hold numeric values, where a value of '0' (zero) indicates no border line, and a value of '1' (one) represents the presence of a line. The default value is '1'.

## SPANNAME

Span name

*Namn på kolumnintervall*

Definition: Span name for a range of columns

Type/Values: NMTOKEN

Default: Implied

Usage: Provides a name for a range of columns. The assigned name refers to a range identified by the Namestart and Nameend attributes.

## VALIGN

Vertical alignment

*Vertikal positionering*

Definition: Text vertical positioning within the <entry>s.

Type/Values: top  
middle  
bottom

Default: Implied

Usage: Used to positioning text vertical within the <entry>s. Provides default value for <row>s and <entry>s in <thead>.

# ERSATTINFOMODUL

## Replaced Information Module

*Ersatt informationsmodul*

**Definition:** Identifies the information module that is replaced/superseded

**Contains:** EMPTY

**Contained in:** andring

**Usage:** Used when the information module replaces or supersedes another information module, but not for revisions of the same information module.  
If more than one replaced information module, use one ersattinfomodul for each.

## Attributes:

### ID

Identity

*Identitet*

Definition: Reference identity of the element.

Type/Values:	ID
Default:	Required or implied depending on element. Required on this element.
Usage:	Used to identify the element to enable referring by use of HyTime. Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## EXPONENT

### Superscript

*Upphöjd text (exponent)*

<b>Definition:</b>	Superscripted text.
<b>Contains:</b>	#PCDATA
<b>Contained in:</b>	%tecken
<b>Usage:</b>	Superscripted text is normally set in a smaller typeface and lifted a few points from the baseline. An example of this would be the notation used for "square meter": m<exponent>2</exponent>. This is one of the "inline text elements" that can exist almost everywhere in an information module.

**Attributes:**

## FASTST.KONFIG

### Confirmed module configuration

*Fastställd modul-konfiguration*

<b>Definition:</b>	Information regarding confirmation (fastställelse) of information product module configuration.
<b>Contains:</b>	EMPTY
<b>Contained in:</b>	status
<b>Usage:</b>	Responsibility of FMV. Filled out at time of confirmation of configuration of information product modules.

**Attributes:**

FST.K.DAT

Date of confirmation of configuration

*Fastställersedatum för konfiguration*

**Definition:** Date of confirmation of configuration of infoproduct module

**Type/Values:** NUTOKEN

**Default:** Required

**Usage:** Date is given in the form YYYY-MM-DD, with dashes inbetween groups.

#### FST.K.DOK

Confirmation Document.

*Fastställersedokument*

Definition: Identification of the legal confirmation document.

Type/Values: CDATA

Default: Implied (Null)

Usage: The ID and name of the confirmation document used for confirmation of infoproduct module configuration. This information is not supposed to constitute any real link to the document, but rather a pointer to a paper document, for legal reasons.

#### FST.K.NAMN

Name of person who confirmed infoproduct module

*Fastställares namn*

Definition: Name of person who confirmed infoproduct module configuration

Type/Values: CDATA

Default: Required

Usage: Given name followed by family name.

#### FST.K.ORG

Organisational designation of person who confirmed infoproduct module

*Fastställares organisatoriska hemvist*

Definition: Organisational designation of person who confirmed infoproduct module configuration.

Type/Values: CDATA

Default: Required

Usage: Name of organisational unit.  
Examples: "FMV:FuhBM" or "FMV:Förplägn"

### FASTST.PRES

#### Confirmed presentation

*Fastställd presentation*

**Definition:** Information regarding confirmation (fastställelse) of information product module presentation.

**Contains:** EMPTY

**Contained in:** status

**Usage:** Responsibility of FMV. Filled out at time of confirmation of presentation of information product modules.  
Note: This is the confirmation of the real information product.

#### Attributes:

#### FST.P.DAT

Date of confirmation of presentation

*Fastställersedatum för presentation*

Definition: Date of confirmation of presentation of infoproduct module

Type/Values: NUTOKEN

Default: Required

Usage:

Date is given in the form YYYY-MM-DD, with dashes inbetween groups.

#### FST.P.DOK

Confirmation Document.

*Fastställersedokument*

**Definition:** Identification of the legal confirmation document.

**Type/Values:** CDATA

**Default:** Implied (Null)

**Usage:** The ID and name of the confirmation document used for confirmation of infoproduct module presentation. This information is not supposed to constitute any real link to the document, but rather a pointer to a paper document, for legal reasons.

#### FST.P.NAMN

Name of person who confirmed infoproduct module

*Fastställares namn*

**Definition:** Name of person who confirmed infoproduct module presentation

**Type/Values:** CDATA

**Default:** Required

**Usage:** Given name followed by family name.

#### FST.P.ORG

Fastställares organisatoriska hemvist

*Organisational designation of person who confirmed data module*

**Definition:** Organisational designation of person who confirmed infoproduct module presentation.

**Type/Values:** CDATA

**Default:** Required

**Usage:** Name of organisational unit.  
Examples: "FMV:FuhBM" or "FMV:Förplägn"

## FBEN

### Detail name

*Förrådsbenämning*

**Definition:** The name of a detail, as specified in FREJ and identified by <fbet>.

**Contains:** #PCDATA

**Contained in:** detalj, detalj.uppg, mtrl.uppg

**Usage:** The name of a detail, as specified in FREJ.  
This is the FMV common name for the detail, not necessarily the same as manufacturer's name.

### Attributes:

%ID.ATT See Description of Parameter Entities

## FBET

### FMV Detail ID

*Förrådsbeteckning*

**Definition:** Unique identification of the detail as given in FREJ.  
**Contains:** #PCDATA  
**Contained in:** detalj, mtrl.uppg  
**Usage:** This is the FMV ID of the detail as given in FREJ.

### Attributes:

#### ID

Identity

*Identitet*

**Definition:** Reference identity of the element.

**Type/Values:** ID

**Default:** Required or implied depending on element.  
Required on this element.

**Usage:** Used to identify the element to enable referring by use of HyTime.  
Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## FELAVGRANSN

### Fault delimitation

*Felavgränsning*

**Definition:** Identifies appropriate actions to delimit the actual fault.  
**Contains:** fore? , feltest , efter?  
**Contained in:** felfunktion  
**Usage:** Used when the mal function and it's symptom is not discrete enough to give an appropriate corrective action directly.  
The delimitation process can occasionally be very closely related to "Funktionskontroll" functional test. If so, the information should be referenced and not duplicated here.

### Attributes:

%ID.ATT See Description of Parameter Entities

## FELAVHJ.ATGARD

### Corrective task

*Felavhjälpande åtgärd*

**Definition:** Corrective maintenance task

**Contains:** titel? , %vad;

**Contained in:** felavhjalpning

**Usage:** Contains information about corrective maintenance tasks to be performed on an object.  
Each task to be performed should be placed in it's own element of this type.

### Attributes:

%ID.ATT See Description of Parameter Entities

## FELAVHJALPNING

### Corrective Maintenance

*Felavhjälkning*

**Definition:** Module start element for module "felavhjalpning", corrective maintenance.

**Contains:** titel , fore? , varn\* , obs\* , bild\* , felavhj.atgard+ , efter?

**Contained in:** Fmvgrund

**Usage:** Starts an information module containing corrective maintenance. Comprises information about actions for correction of delimited error or malfunction.

### Attributes:

%MODSTART.ATT See Description of Parameter Entities

### ATGARD.TYP

Type of corrective action

*Åtgärdstyp*

**Definition:** Identifies replacement or repair as corrective action.

**Type/Values:** Byte = Replacement, corrective action is replacement  
Reparation = Repair, corrective action is repair

**Default:** Required

**Usage:** Used when measures to correct a fault implies either to perform replacement or repair of the object.

## FELFUNKTION

### Mal function

#### *Felfunktion*

- Definition:** Comprises the information needed to localize one indicated fault.
- Contains:** felyttring , (((troligorsak , lamplfelavhj+)+ | lamplfelavhj+), felavgransn?) | felavgransn
- Contained in:** felsokn.del, felsokning
- Usage:** Felfunktion is created only in purpose to clearly separate procedures for one fault from other similar treestructures beginning with Felyttring. Thus several Felfunktion can occur for the same object.

#### **Attributes:**

%ID.ATT See Description of Parameter Entities

## FELKOD

### Fault code

#### *Felkod*

- Definition:** A fault code, e.g. in a diagnostics system.
- Contains:** ((#PCDATA) | anm )+
- Contained in:** felyttring, resultat
- Usage:** Contains a fault code, as opposed to free text describing the fault.

#### **Attributes:**

## FELSOKN.DEL

### fault finding part

#### *Del av felsökning*

- Definition:** A sub-division of fault finding
- Contains:** titel , felfunktion+
- Contained in:** felsokning
- Usage:** Used when the fault finding is extensive and needs to be broken down into parts. The title attribute of <felsokn.del> can be used as a sub-heading at presentation.

#### **Attributes:**

%ID.ATT See Description of Parameter Entities

## FELSOKNING

### Fault finding

*Felsökning; Åtgärder vid driftsstörning*

- Definition:** Module start element for module "felsökning", fault finding.
- Contains:** titel , fore? , (gen.anvisn | (felfunktion | felsokn.del)+ ) , efter?
- Contained in:** Fmvgrund
- Usage:** Comprises information about the localization of predictable faults referring to one object or part of object, recommendations for appropriate corrective action(s) and verification.  
Can be used at any level of breakdown of a materials system or for user perceived error symptoms.

### Attributes:

%MODSTART.ATT      See Description of Parameter Entities

## FELTEST

### Fault test

*Feltest*

- Definition:** A test with the purpose to isolate a fault, based on a fault symptom.
- Contains:** dirtext? , (resultat , ((troligorsak , lamplfelavhj+)+ | lamplfelavhj+ )+)
- Contained in:** felavgransn
- Usage:** Contains descriptions of a singel test for fault isolation.

### Attributes:

%ID.ATT      See Description of Parameter Entities

## FELYTTRING

### Symptom

*Felyttring*

- Definition:** Predicted fault symptoms related to one object or part of object.
- Contains:** felkod | dirtext
- Contained in:** felfunktion
- Usage:** Description of the mal function as perceived by the user or shown by the system. The description may be a fault code, or free text.

### Attributes:

%ID.ATT      See Description of Parameter Entities



## FIRMAKOD

### Manufacturer Code

*Tillverkarens firmakod*

**Definition:** The unique code assigned to a manufacturer by FMV.

**Contains:** #PCDATA

**Contained in:** refbet, refbet.alt

**Usage:** FMV code for manufacturer.

**Attributes:**

## FMVDATA

### Data About FMV Personnel

*Data om FMV-personal*

**Definition:** Information regarding personnel at FMV responsible for information module or IPM

**Contains:** handl+

**Contained in:** moduladmin

**Usage:** Responsibility of FMV.

**Attributes:**

%ID.ATT See Description of Parameter Entities

## FMVGRUND

### FMV Grund-DTD top element

*Topp-elementet i FMV Grund-DTD*

**Definition:** Top element which encloses the information modules.

**Contains:** (hytime.adresser?, (adm.lank, objekt+)?, (system | funktion | ..... | schema |  
admindata | infoprodmodul)

**Contained in:**

**Usage:** Used to enclose all information modules. Contains also an element for managing links <hytime.adresser>, a linkelement which references to administrative data <adm.lank>, an element containing IPM data <objekt>

**Attributes:**

HYTIME

HyTime architectural form

*HyTime-namn*

**Definition:** HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

**Type/Values:** NAME

**Default:**

Fixed value depending on element:  
 HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.  
 HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.  
 clink: The element is a HyTime Contextual Link Element  
 nameloc: The element is a HyTime Name Location Element  
 nmlist: The element is a HyTime Name List Element  
 Fixed value on this element: HyDoc  
 Usage: The HyTime values differs between elements, but it is always a fixed value that must not be changed.  
 For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## ID

Identity

*Identitet*

Definition: Reference identity of the element.

Type/Values: ID

Default: Required or implied depending on element.

Usage: Used to identify the element to enable referring by use of HyTime. Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## MALGRUPP

Target group

*Målgrupp*

Definition: Defines the target group for which the information in the module is written.

Type/Values: Project defineable attribute.  
 Defined as CDATA as default in FMV Grund-DTD.

Default: Implied (Null implies 'for all target groups')

Usage: The possible values of this attribute must be defined by each project, based on the information analysis. See further Parameter Entity "malgrupp.varden" in chapter 8.  
 If attribute is not used, all target groups are implied. It is however good practice to always supply a value, even if the information is written for "all".

## MODULSTATUS

Module status

*Modulstatus*

Definition: Defines the status of the information module, in terms of production status, or version.

Type/Values: Project defineable attribute.  
 Defined as CDATA as default in FMV Grund-DTD.

Default: REQUIRED

Usage: The values of this attribute must be defined by each project. See further Parameter Entity "modulstatus.varden" in chapter 8.

## SPECFORUTSATTN

Special conditions

*Speciella förutsättningar*

**Definition:** Defines the special conditions (external conditions or internal modes) to which the information in the module has been written.

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Implied (Null implies 'no special conditions')

**Usage:** The values of this attribute must be defined by each project, based on the information analysis. See further Parameter Entity "specforutsattn.varden" in chapter 8.  
If attribute is unused, no special conditions are implied. It is however good practice to always supply a value, even if the information is written for "normal use".

## SPRAK

Language

*Språk*

**Definition:** Defines the language used in the information module

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Implied (Null implies Swedish)

**Usage:** The values of this attribute must be defined by each project, based on the information analysis.  
See further Parameter Entity "sprak.varden" in chapter 8.

## UH.NIVA

Maintenance level

*Underhållsnivå*

**Definition:** Defines the maintenance level for which the information in the module is written.

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Implied (Null implies 'alla')

**Usage:** The values of this attribute must be defined by each project.  
See further Parameter Entity "uhniva.varden" in chapter 8.  
If attribute is unused, "all maintenance levels" are implied. It is however good practice to always supply a value, even if the information is written for "all".

## FORB.ATGARD

**Preparation task**

*Förberedande åtgärd*

**Definition:** A single preparatory task

**Contains:** titel? , %vad;

**Contained in:** forbered

**Usage:** Each preparatory task should be placed in it's own element of this type.

**Attributes:**

%ID.ATT

See Description of Parameter Entities

# FORBERED

## Preparations

## Förberedelser

**Definition:** Gives the preparative actions to be taken before starting the procedure

**Contains:** forb.atgard+

**Contained in:** fore

**Usage:** This element is used to enclose all needed preparations before performing a procedure.

**Attributes:**

%ID.ATT

See Description of Parameter Entities

## FORBRMTRL.LISTA

## Consumables list

*Lista med förbrukningsmateriel*

**Definition:** List of consumables required for the procedure

**Contains:** infoga.nongml\* , mtrl.uppg+

**Contained in:** ref.mtrl

**Usage:** Lists all consumables that might be required for the procedure, together with an optional illustration.

**Attributes:**

%ID.ATT

See Description of Parameter Entities

## FORE

### Pre-conditions

#### *Förberedelser*

- Definition:** A general unit containing preparatory work and information required to execute an operation, renovation, modification or maintenance task.
- Contains:** inledning? , ref.foreskr? , ref.data? , ref.mtrl? , forutsattn? , forbered?
- Contained in:** drift.atgard, felavhjalpning, felsokning, forrads.atgard, forradsstallning, handhavande, kontroll, kontroll.atgard, mod.atgard, modifiering, oversyn, oversyn.atgard, period.uh, peruh.atgard, renov.atgard, renovering, uh.atgard, uh.atgard.del, felavgransn
- Usage:** E.g. reference to tools needed, reference to safety precautions etc.  
For Periodiskt underhåll there might be information about necessary tools, articles of consumption, conditions, general information about how to perform the maintenance task.  
It can also involve e.g. connecting a measuring device, demands to obtain in the Vad-Hur-procedure.  
As for Förrädsställning, delimitations, special instructions, references to required documents, technical overhaul are examples of information that can be stated here.  
As for Installation, Före also can include regular tasks to be performed before the actual installation takes place. E.g. at installation of an electric plant it is necessary to cast a foundation. This has to be described within Före, not as an installation task. Otherwise Före contains the same information as the other Före.

### Attributes:

%ID.ATT See Description of Parameter Entities

## FORESKR

### Referenced Regulation

#### *Refererad föreskrift*

- Definition:** Reference to a regulation
- Contains:** dirtext
- Contained in:** ref.foreskr
- Usage:** This element is used to reference a regulation, through element <hanvisning>. Text describing the reference can be written also.

### Attributes:

%ID.ATT See Description of Parameter Entities

### FORESKR.TYP

Regulation type

*Typ av föreskrift*

**Definition:** Identifies the type of regulation

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Required

Usage:

usage:

The values of this attribute must be defined by each project.  
See further Parameter Entity "foreskr.typ.varden" in chapter 8.

## FORESKR.AVSNITT

### Regulation section

#### *Föreskriftsavsnitt*

- Definition:** A section (part) of regulatory information.
- Contains:** titel , (text | anm | table | bild | uppst | sekvens | foreskr.block)\* , foreskr.avsnitt\*
- Contained in:** foreskr.avsnitt, foreskrift
- Usage:** Each part of regulatory information should be placed in it's own <foreskr.avsnitt>, whether it is called "chapter", "section", "subsection", etc. A <foreskr.avsnitt> may contain <foreskr.avsnitt>s, which then constitutes parts of a part.  
This element contains a mix of decriptive and procedural elements.

### Attributes:

%ID.ATT See Description of Parameter Entities

### AVSNITTSTYP

Section type

*Typ av avsnitt*

**Definition:** Type of section, as defined by project.

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Implied

**Usage:** This attribute is intended to separate types of sections, or classes of sections, in descriptive information. Section types can for instance be derived from standard headings.  
In a future it is possible that the structure for descriptive information is taken further, based on the values given here by different projects.  
The values of this attribute must be defined by each project.  
See further Parameter Entity "avsnittstyp.varden" in chapter 8.

## FORESKR.BLOCK

### Block for regulatory information

#### *Block av föreskriftsinformation*

- Definition:** An association or grouping of regulatory information with an internal relationship.
- Contains:** titel? , (text | anm | table | bild | uppst | sekvens | foreskr.block)+
- Contained in:** foreskr.avsnitt, foreskr.block
- Usage:** Used to group information that is related to each other, and that is not already associated or grouped by the DTD structure itself.  
Example: Text and figure, which must not be put on different pages at printing or must be displayed on the screen simultaneously.

**Attributes:**

%BLOCK.ATT	See Description of Parameter Entities
%ID.ATT	See Description of Parameter Entities

## FORESKRIFT

### Regulation

#### *Föreskrift*

<b>Definition:</b>	Module start element for module "foreskrift", regulatory information
<b>Contains:</b>	titel , foreskr.avsnitt+
<b>Contained in:</b>	Fmvgrund
<b>Usage:</b>	Starts an information module containing regulatory information, such as environmental, safety or precautions regulations.

**Attributes:**

%MODSTART.ATT	See Description of Parameter Entities
---------------	---------------------------------------

#### FORESKR.TYP

Regulation type

*Typ av föreskrift*

<b>Definition:</b>	Identifies the type of regulation
<b>Type/Values:</b>	Project defineable attribute. Defined as CDATA as default in FMV Grund-DTD.
<b>Default:</b>	Required
<b>Usage:</b>	The values of this attribute must be defined by each project. See further Parameter Entity "foreskr.typ.varden" in chapter 8.

## FORMEL

### Formula

#### *Formel*

<b>Definition:</b>	Chemical, mathematical, or other formula that cannot be produced as text.
<b>Contains:</b>	infoqa.nonsgml
<b>Contained in:</b>	dirtext, text
<b>Usage:</b>	Formulas are in current version of the DTD permitted only as graphics by use of the <infoqa.nonSGML> element. In future revisions this might be extended by incorporating one of the formula encoding schemes in existence, such as the "ISO formula DTD". This is one of the "inline text elements" that can exist almost everywhere in an information module.

**Attributes:**

%ID.ATT	See Description of Parameter Entities
---------	---------------------------------------

## FORRADS.ATGARD

### Storage task

*Förrådsåtgärd*

- Definition:** Contains information about one storage task to be performed on an object.
- Contains:** titel? , fore? , %vad; , efter?
- Contained in:** foradsst.del, foradsstallning
- Usage:** Each task to be performed in storage (including preparations for storage, and dispatch) should be placed in it's own element of this type. The task should be documented as a complete package of information, with specific pre- and post-conditions.

### Attributes:

%ID.ATT See Description of Parameter Entities

## FORRADS.ATGARDTYP

Type of storage task

*Typ av förrådsåtgärd*

**Definition:** Identifies type of storage task to be performed.

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Required

**Usage:** The values of this attribute must be defined by each project.  
See further Parameter Entity "forads.atgardtyp.varden" in chapter 8

## FORRADSST.DEL

### Storage instruction part

*Del av förrådsställning*

- Definition:** A logical part of the storage instructions
- Contains:** titel , forads.atgard+
- Contained in:** foradsstallning
- Usage:** A part of a storage instruction, that is not mapped to a specific object, but still is valid as a separate part in the documentation.

### Attributes:

%ID.ATT See Description of Parameter Entities



## FORRADSTALLNING

### Storage instructions

#### *Förrådsställning*

- Definition:** Module start element for module "förrådsställning", instructions for storage
- Contains:** titel , fore? , varn\* , obs\* , bild\* , (förrads.atgard | förradsst.del)+ , efter?
- Contained in:** Fmvgrund
- Usage:** Comprises the information on how to prepare one object for storage, how to perform maintenance on the object while in storage, and how to take the object out of storage.

### Attributes:

- %MODSTART.ATT      See Description of Parameter Entities

## FORRADSLAGE

### Storage status

#### *Förrådsläge*

- Definition:** Identifies status of the object according to storage procedures.
- Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.
- Default:** Required
- Usage:** The values of this attribute must be defined by each project.  
See further Parameter Entity "förradslage.varden" in chapter 8.

## UTLAMNINGSLAGE

### State of alert at dispatch

#### *Utlämningsläge*

- Definition:** Identifies state of alert at dispatch of one object.
- Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.
- Default:** Implied (Null if the module is not dealing with dispatch of the object; otherwise: highest defined alert state)
- Usage:** The values of this attribute must be defined by each project.  
See further Parameter Entity "utlamningslage.varden" in chapter 8.  
This attribute is valid only when the required attribute "förradslage" indicates that the module concerns dispatch of an object (e.g. "vid utlämning").

## FORUTSATTN

### Conditions

#### *Förutsättningar*

- Definition:** Gives the conditions for the procedure
- Contains:** (%infoprim;)+
- Contained in:** fore
- Usage:** This element is used to enclose all conditions that must be filled to execute a procedure.

**Attributes:**

%ID.ATT                      See Description of Parameter Entities

## FUNKTION

### Functional Description

#### *Funktionsbeskrivning*

**Definition:**              Module start element for module "funktion", containing description of the function of one object.

**Contains:**                titel , avsnitt+

**Contained in:**           Fmvgrund

**Usage:**                    Contains a functional description of an object.

**Attributes:**

%MODSTART.ATT            See Description of Parameter Entities

## GEN.ANVISN

### General instructions

#### *Generella anvisningar*

**Definition:**              General instructions for fault finding

**Contains:**                (titel? , (dirtext | infoga.nonsgml | uppst)+)+

**Contained in:**           felsökning

**Usage:**                    Used when the fault finding cannot be documented by use of element <felfunktion>, e.g. if the fault finding is very general in it's nature, or is too complex and depends on too many factors.

**Attributes:**

%ID.ATT                      See Description of Parameter Entities

## GODK.TEKN.IH

### Approval of technical content

#### *Godkännande av tekniskt innehåll*

**Definition:**              Information regarding approval (godkännande) of technical content of information module

**Contains:**                EMPTY

**Contained in:**           status

**Usage:**                    Responsibility of FMV. Filled out at time of approval.

**Attributes:**

#### GDK.BESLUT

Approval Procedure Decision

*Godkännandebeslut*

Definition: Indication whether the info module technical content has been approved or not.

Type/Values: godkand = Approved (godkänd)  
ejgodkand = Not approved (ej godkänd)

Default: Required

Usage: A flag that reflects the decision of the approval process.

#### GDK.DAT

Date of approval or disapproval

*Datum för godkännande eller icke godkännande*

Definition: Date of approval or disapproval of info module technical content

Type/Values: NUTOKEN

Default: Required

Usage: Date is given in the form YYYY-MM-DD, with dashes inbetween groups.

#### GDK.NAMN

Name of person responsible for the approval process.

*Godkännandes namn*

Definition: Name of person who approved or disapproved info module technical content.

Type/Values: CDATA

Default: Required

Usage: Given name followed by family name.

#### GDK.ORG

Organisational designation of person responsible for the approval process.

*Godkännande organisatoriska hemvist*

Definition: Organisational designation of person responsible for the approval process.

Type/Values: CDATA

Default: Required

Usage: Name of organisational unit.  
Example: "FMV:FuhF1"

## GRUNDDATA

### General data

*Grunddata; Generellt data, generell uppgift*

**Definition:** One single (general) data concerning an object

**Contains:** datanamn , (datavarde+ | grunddata+) , anm?

**Contained in:** grunddata, grunddata.block, tekgrunddata

**Usage:** Contains one single but general data about an object. <grunddata> consists of name, <datanamn>, followed by a value, <datavarde>, or subdivided into more detail by recursive use of <grunddata>. Use of more than one sub-level is discouraged, and often prohibited in projects.

**Attributes:**

%ID.ATT See Description of Parameter Entities

**DATATYP**

Type of general data

*Typ av grunddata*

**Definition:** Identifies the type of general data

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Required

**Usage:** The values of this attribute must be defined by each project.  
See further Parameter Entity "datatyp.varden" in chapter 8.

## GRUNDDATA.BLOCK

**Block of general data**

*Block med grunddata*

**Definition:** An association or grouping of general technical data.

**Contains:** titel? , ((anm? , grunddata+ , bild\*) | grunddata.block)+

**Contained in:** grunddata.block, tekngrunddata

**Usage:** Used to group general data that is related to each other.  
Typically used for subdivision of data, where subheadings introduces each new division (the subheading itself may be the blocktitle attribute).

**Attributes:**

%ID.ATT See Description of Parameter Entities

## HANDHAVANDE

**Operation**

*Handhavande*

**Definition:** Module start element for module "handhavande", containing information on how to operate an object.

**Contains:** titel , fore? , varn\* , obs\* , bild\* , drift.atgard+ , efter?

**Contained in:** Fmvgrund

**Usage:** Contains instructions for the operation of an object.

**Attributes:**

%MODSTART.ATT See Description of Parameter Entities

## HANDL

### FMV responsible peson

*FMV ansvarige handläggare*

**Definition:** Person at FMV, responsible for all or part of the information module or IPM  
**Contains:** EMPTY  
**Contained in:** fmvdata  
**Usage:** Responsibility of FMV.

#### Attributes:

##### F.ADMNAMN

Name of the Person

*Namn på FMV administrative handläggare*

**Definition:** Name of the Person in charge of administrative matters at FMV

**Type/Values:** CDATA

**Default:** Required

**Usage:** Given name followed by family name.

##### F.ADMORG

Organisational ID

*Organisatorisk hemvist*

**Definition:** The name of the organisational unit where the person is.

**Type/Values:** CDATA

**Default:** Required

**Usage:** Name of organisational unit.  
Example: "InternADB"

##### HANDL.TYP

Official's responsibilities

*Typ av handläggare*

**Definition:** Declares the responsibilities of the official, i.e. the type of official

**Type/Values:** CDATA

**Default:** Required

**Usage:** Some possible values could be "administrativ" (administrative official),  
"teknisk" (official responsible for technical solution),  
"publikationsansvarig" (official responsible for publications,  
presentation).

## HANVISNING

### Reference

#### *Hanvisning*

- Definition:** Contextual link which Identifies a HyTime reference to an information element.
- Contains:** (%tecken;)\*
- Contained in:** anm.punkt, anm.text, dirttext, obs.punkt, obs.text, text, varn.text, andrtext
- Usage:** Used for references to any type of SGML-information, whether a complete module or a detail inside a module. The 'hanvisning' element is a contextual link which references to one of the 'HyTime.adresser' subelements, which constitutes a link to the information module.
- The general rule for a reference catchword (e.g. a hot spot, button name, etc) in FMV Grund-DTD is that it should be generated by the presentation software. If so, this element should have no other content than white spaces.
- This element should only have content other than white space if the generated catchword would be inappropriate, e.g. a more generic word is desired than the title of the referenced module: 'safety precautions' instead of 'safety precautions for welding inside airplane chassis'.
- This is one of the "inline text elements" that can exist almost everywhere in an information module.

### Attributes:

#### AGGTRAV

Aggregate traversal

*Definierar hur en länk ska fungera interaktivt*

**Definition:** HyTime attribute: Defines the traversal rules of an aggregate

**Type/Values:** agg = Traversal to aggregate link, for further traversal thereafter  
mem = Traversal directly to the members

**Default:** Default value differs depending on element.

**Usage:** Usually there is no need to change the default value.

This attribute is only significant when attribute aggloc at the nameloc element is set to "agglink".

If aggtrav=mem and aggloc=agglink, the same result is obtained as if aggloc=aggloc (i.e. the aggregate is no longer defined as a link).

For further explanations, see the HyTime standard (ISO 10744), clause 9.2.1.

## ANCHROLE

Anchor roles

*Ankarroller*

Definition: HyTime attribute: Defines the roles of the anchors.

Type/Values: Fixed CDATA

Default: Fixed value that differs depending on element. The first value corresponds to the first linkend (attribute 'linkends'), the second value to the second linkend.

The keyword '#AGG' after an anchrole value indicates that multiple anchors may be treated as an aggregate (which means that they are thought of as being one object).

Fixed value on this element is ReferencePoint ReferencedInfo #AGG

Usage: The 'anchrole' values differs between links, but it is always a fixed value that must not be changed. An application can build it's processing around anchor roles, but they have no other meaning in HyTime.  
For further explanations, see the HyTime standard (ISO 10744), clause 9.2.1.

## EXTRA

External Traversal

*Definierar hur länken ska kunna följas, om den accessas utifrån*

Definition: Defines the traversal rules for the linkends, when the link is accessed externally (from outside the link) in an interactive application

Type/Values: NAMES

Default: Fixed values differ depending on element. The first value corresponds to the first linkend (attribute 'linkends'), the second value to the second linkend.

A = Any traversal is possible (of this link or others)

E = External traversal only (this link cannot be traversed from this anchor point, if accessed from outside)

Usage: The 'extra' values differs between links, but it is always a fixed value that must not be changed. For further explanations, see the HyTime standard (ISO 10744), clause 9.2.1.

## HYTIME

HyTime architectural form

*HyTime-namn*

Definition: HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

Type/Values: NAME

Default: Fixed value depending on element:  
HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.  
HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.  
clink: The element is a HyTime Contextual Link Element  
nameloc: The element is a HyTime Name Location Element  
nmllist: The element is a HyTime Name List Element  
Fixed value on this element is clink.

Usage: The HyTime values differs between elements, but it is always a fixed value that must not be changed.  
For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## INTRA

Internal Traversal

*Definierar hur länken ska kunna följas, om den accessas inifrån*

Definition: Defines the traversal rules for the linkends, when the link is accessed internally (from inside the link, i.e. after a first traversal)

Type/Values: NAMES

Default: Fixed values differ depending on element. The first value corresponds to the first linkend (attribute 'linkends'), the second value to the second linkend.  
A = Any traversal is possible (of this link or others)  
I = Internal traversal only (you can't traverse other links after a traversal of this link, the only way to go is to some other anchor of this link. Only from the source anchor you can continue with other links)

Usage: The 'intra' values differs between links, but it is always a fixed value that must not be changed. For further explanations, see the HyTime standard (ISO 10744), clause 9.2.1.

## LINKEND

Link End

*Definierar länkens ände*

Definition: Hytime attribute: Defines the link end, used by the link. Points to location elements (nameloc).

Type/Values: IDREF

Default: Required

Usage: The ID value of the nameloc element used by the link must be entered in this attribute. For further explanations, see HyTime standard (ISO 10744), clause 9.2.2.



## PRESENTATION

### Presentation

*Presentation av målinformationen i förhållande till källinfor*

- Definition: Indicates how the target information should be presented to the user, compared to the source information.
- Type/Values: itext = linked info should be presented in text flow  
separat = linked info should be presented separate from the source info  
parallellt = linked info should be presented separate, but both source and target info must be visible simultaneously
- Default: Default values differ depending on element.
- Usage: This attribute gives the author a possibility to control how referenced information is presented to the user.

## SAMMANH.REFINFO

### Show context of target info

*Visa sammanhanget i vilket målinfor finns*

- Definition: Indicates whether the context in which the target info is placed should be shown at the source anchor.
- Type/Values: visa = show, context of target info should be presented  
visa.ej = don't show, context of target info is not presented
- Default: visa.ej
- Usage: The general rule for a reference catchword (e.g. a hot spot, button name, etc) in FMV Grund-DTD is that it should be generated by the presentation software. If it is generated, this attribute controls if the context in which the referenced information is located should be identified in the catchword text, e.g. "table 2 in section 4.3". This attribute will only make sense when the catchword is generated by the presentation software. If the element 'hanvisning' (which is the 'ReferencePoint') has content other than white spaces, that content will constitute the catchword text, and this attribute will have no effect.

## UPPDATERA

### update

*uppdateringsregler*

- Definition: Indicates whether the link should be preserved or updated when new versions are created
- Type/Values: frys = freeze, preserve this link even if target information changes  
uppdatera = update, this link should point to the most recent info.
- Default: Default values differ depending on element.
- Usage: Freeze ("frys") would be appropriate when the second linkend is an element or an information fragment, or when a specific version or variant is referenced.  
Update ("uppdatera") might be desirable for more generic links, e.g. to safety precautions, tools, etc., when the most current information is desired.  
In both cases it is recommended that the application informs the author of the consequences, and it should be possible to override this attribute in any specific instance of a link.

## VIKTIGHET

importance

*Indikerar hur viktig den hänvisade info är i källinformationens sammanhang*

**Definition:** Indicates the degree of importance the referenced info has in the context of the source anchor.

**Type/Values:** nodvändig = necessary, referenced information is essential and must always be accessed by or presented to the user  
viktig = important, referenced information is important  
bakgrundsinfo = background information, referenced information serves as background information

**Default:** Default values differ depending on element.

**Usage:** Indicates the importance of the linked information. An application may handle links differently depending on their importance, e.g. necessary ("nodvändig") info is always presented automatically, important ("viktig") buttons are big and red, and "bakgrundsinfo" buttons are ordinary text-buttons.

## HYTIME.ADRESSER

**HyTime addresses**

*HyTime adresser*

**Definition:** Container element for all HyTime clink elements

**Contains:** (nlok.elem | nlok.interv | nlok.entity | nlok.dok | nlok.modul)\*

**Contained in:** Fmvgrund

**Usage:** Within this element, all link elements.

**Attributes:**

## IDUPPG

**ID-info**

*Identifierande uppgifter*

**Definition:** Information specifying the properties of the detail/object

**Contains:** (%tecken;)+

**Contained in:** detalj

**Usage:** Corresponds to the field "iduppg" in FREJ.

**Attributes:**

## INDEX

### Subscript

*Nedsänkt text (index)*

**Definition:** Subscripted text.

**Contains:** #PCDATA

**Contained in:** %tecken

**Usage:** Subscripted text is normally set in a smaller typeface and lowered a few points below the baseline. An example of this would be the notation used in the chemical formula for water: <index>2<index>O.  
This is one of the "inline text elements" that can exist almost everywhere in the information module.

**Attributes:**

## INFOGA.MODUL

### Include Module

*Infoga modul*

**Definition:** Anchor pont for the inclusion of an information module or IPM into an IPM.

**Contains:** EMPTY

**Contained in:** niv

**Usage:** This element contains a contextual link to one of the 'HyTime.adresser' subelements, that constitutes the link to an information module.

**Attributes:**

### HYTIME

HyTime architectural form

*HyTime-namn*

**Definition:** HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

**Type/Values:** NAME

**Default:** Fixed value depending on element:

HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.

HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.

clink: The element is a HyTime Contextual Link Element

nameloc: The element is a HyTime Name Location Element

nmllist: The element is a HyTime Name List Element

Fixed value on this element is clink.

**Usage:** The HyTime values differs between elements, but it is always a fixed value that must not be changed.

For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## LINKEND

Link End

*Definierar länkens ände*

**Definition:** Hytime attribute: Defines the link end, used by the link. Points to location elements (nameloc).

**Type/Values:** IDREF

**Default:** Required

**Usage:** The ID value of the nameloc element used by the link must be entered in this attribute. For further explanations, see HyTime standard (ISO 10744), clause 9.2.2.

## MODULTYP

Module type

*Modul typ*

**Definition:** Indicates what type of module that is supposed to be included for presentation

**Type/Values:** system, funktion, konstruktion, konstr.funkt, foreskrift, handhavande, felsökning, felavhjälpning, period.uh, uh.atgard, oversyn, renovering, modifiering, forradsstallning, reservdelar, tillbehör, schema, tekngrunddata, underhallsdata, infoprodmodul, annan

**Default:** Required

**Usage:** Possible values are all module start elements of ordinary information modules and information product modules. There is also a possibility to include non-module information, e.g. an ordinary existing document such as a technical order, by the use of value "annan" (other).

## INFOGA.NONSGML

### Include non-SGML

*Infogning av icke-SGML-data*

**Definition:** A anchor for including non-SGML data into the document.

**Contains:** EMPTY

**Contained in:** bild, forbrmtrl.lista, formel, reservdel.lista, reservdelar, schemablad, specverktyg.lista, stdverktyg.lista, tillbehör, gen.anvisn

**Usage:** This element uses an external entity to include data that is not stored in SGML, e.g. a raster image, vector graphics, video, audio, animations, etc.

### Attributes:

## ANDR.UTG

Change

*Ändringsutgåva*

**Definition:** A number that indicates element content changes in a specific issue of an information module or IPM

**Type/Values:** NUMBER

**Default:** Implied (NULL = no change)

**Usage:** Used when this element and/or its contained elements have been changed in a revision or update and it is required that the change shall be visible to the end user, e.g. through change bars. The number shall correspond to the change issue number ( attribute andr.nr on element andring) in the

Administrative data module where the change description is.  
Example: If andr.utg has a value of "3", it means that changes has been made since issue number "2"  
This attribute is used in order to enable the generation of change bars on paper. If no change bars are required, it is enough to document the change in the admindata module, possibly with references (hanvisning) to changed elements.  
Note: Deletion of an element is never directly indicated. Instead, the change attribute on a parent element is filled in.

## ID

### Identity

#### *Identitet*

Definition: Reference identity of the element.

Type/Values: ID

Default: Required or implied depending on element.  
Required on this element.

Usage: Used to identify the element to enable referring by use of HyTime.  
Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## PRESENTATION

### Presentation

#### *Presentation av målinformationen i förhållande till källan*

Definition: Indicates how the target information should be presented to the user, compared to the source information.

Type/Values: itext = linked info should be presented in text flow  
separat = linked info should be presented separate from the source info  
parallellt = linked info should be presented separate, but both source and target info must be visible simultaneously

Default: Default values differ depending on element.

Usage: This attribute gives the author a possibility to control how referenced information is presented to the user.

## UPPDATERA

### update

#### *uppdateringsregler*

Definition: Indicates whether the link should be preserved or updated when new versions are created

Type/Values: frys = freeze, preserve this link even if target information changes  
uppdatera = update, this link should point to the most recent info.

Default: Default values differ depending on element.

Usage: Freeze ("frys") would be appropriate when the second linkend is an element or an information fragment, or when a specific version or variant is referenced.

Update ("uppdatera") might be desirable for more generic links, e.g. to safety precautions, tools, etc., when the most current information is desired.

In both cases it is recommended that the application informs the author of the consequences, and it should be possible to override this attribute in any specific instance of a link.

## VIKTIGHET

importance

*Indikerar hur viktig den hänvisade infon är i källinformationens sammanhang*

**Definition:** Indicates the degree of importance the referenced info has in the context of the source anchor.

**Type/Values:** nodvändig = necessary, referenced information is essential and must always be accessed by or presented to the user  
viktig = important, referenced information is important  
bakgrundsinfo = background information, referenced information serves as background information

**Default:** Default values differ depending on element.

**Usage:** Indicates the importance of the linked information. An application may handle links differently depending on their importance, e.g. necessary ("nodvändig") info is always presented automatically, important ("viktig") buttons are big and red, and "bakgrundsinfo" buttons are ordinary text-buttons.

## INFOPRODMODUL

### Information-produkt module

*Modul för informationsprodukt*

**Definition:** Module start element for an Information Product Module (IPM).

**Contains:** titel? , niv+

**Contained in:** Fmvgrund

**Usage:** This module contains of links to information modules and other IPMs, and a simple mechanism to structure them for presentation.  
An information product module defines one single information product, such as a document, a book, a binder, a set of binders, an electronic distribution on CD-ROM, an computerbased application, etc.

### Attributes:

## BOSLEVEL

Bounded object set level

*Definierar hur långt länkar ska lösas upp*

**Definition:** Specifies how many levels of references shall be resolved by the HyTime engine.

**Type/Values:** NUMBER

**Default:** Implied (Null implies decided by application)

**Usage:** Use only if there is a specific risk of getting too far or too narrow. Note that the value might anyhow be overridden at run time.  
For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

---

## MODULID

Module identification

*Identifiering av modul*

Definition: A unique identifier for a unique information module

Type/Values: ID

Default: Required

Usage: Module ID's should be a unique identifier throughout the materiel system, but it is not a requirement.

## SEKRETESS

Security

*Sekretess*

Definition: Security classification of the information module.

Type/Values: *öppen* = Open (*öppen*)  
*hemlig* = Classified  
*kvalhemlig* = Secret (kvalificerat hemlig)

Default: Implied (Null implies "öppen")

Usage: Security classification is decided by FMV.

## SYFTE

Purpose

*Syftet med Infoprodukt modulen*

Definition: Purpose of the information product module

Type/Values: CDATA

Default: Required

Usage: This attribute is intended to carry the purpose of an information product module.  
An infoproduct module can be created for different purposes, e.g. a chapter, document, book or CD-ROM.

## UNMSPACE

Unified name space

*Enhetligt namn-område*

Definition: HyTime attribute: Specifies how names and name spaces are treated (relations between id's and entity names).

Type/Values: *unified* = ID's and entities share the same name space.  
*separate* = Separate name spaces for ID's and entity names.

Default: *unified*

Usage: If your system can't handle entities and ID names in the same name space, you can specify "separate". However, *unified* is the preferred value, since it is then more flexible to split or merge modules. For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## INLEDNING

### **Descriptive introduction**

*Beskrivande inledning*

**Definition:** Descriptive introduction to a pre-condition of a procedure  
**Contains:** titel , (%infoprim;)+  
**Contained in:** fore  
**Usage:** Used for general information concerning the pre-conditions or procedure.

### **Attributes:**

%ID.ATT See Description of Parameter Entities

## KOMP BET

### **Component ID**

*Komponentbeteckning*

**Definition:** Component ID as defined in the diagram  
**Contains:** (%tecken;)+  
**Contained in:** komponent  
**Usage:** Same ID as the component has in the diagram. This is the connection between the textual part and the illustration.

### **Attributes:**

## KOMP FORT

### **Component list**

*Komponentförteckning*

**Definition:** Component list of a diagram  
**Contains:** komponent+  
**Contained in:** schemablad  
**Usage:** Contains the textual part of a diagram.

### **Attributes:**

## KOMP INFO

### **Component information**

*Komponentinformation*

**Definition:** Information regarding the component, referenced from other sources.  
**Contains:** detalj  
**Contained in:** komponent  
**Usage:** The component information is typically found in the spare parts module.



Attributes:

## KOMPL.INFO

### Complementing information

*Kompletterande information*

**Definition:** Additional information to identify a material detail/object.  
**Contains:** text  
**Contained in:** mtrl.uppg  
**Usage:** Contains free text and references which gives further information about the material detail/object e.g. alternative manufacturer's id, ordering code etc.

Attributes:

## KOMPONENT

### Component

*Komponent*

**Definition:** A component in the diagram  
**Contains:** kompbet , kompplacering? , antal? , kompinfo  
**Contained in:** kompfort  
**Usage:** Each component that is identified in the diagram should have a <komponent> element.

Attributes:

%ID.ATT

Identification attributes

*Identifieringsattribut*

**Definition:** See Parameter Entity List

**Type/Values:**

**Default:**

Required on this element.

**Usage:**

## KOMPPLACERING

### Component Position

*Komponentplacering*

**Definition:** Component position in the diagram, expressed in a diagram-specific notation.  
**Contains:** (%tecken;)+  
**Contained in:** komponent  
**Usage:** Use the diagram-specific notation for indication of placement in the diagram.

Attributes:

## KONSTR.FUNKT

### Description of Construction and Function

#### *Konstruktions- och Funktionsbeskrivning*

- Definition:** Module start element for module "konstruktion och funktion", containing description of the construction and function of one object.
- Contains:** titel , avsnitt+
- Contained in:** Fmvgrund
- Usage:** Description of both the construction and function of an object. This module is used when construction and function are hard to separate from each other (typically for mechanical devises), or when the user requires less and more compressed information about the two than what is given in modules "kostruktion" and "funktion".

#### **Attributes:**

%MODSTART.ATT      See Description of Parameter Entities

## KONSTRUKTION

### Description of Construction

#### *Konstruktionsbeskrivning*

- Definition:** Module start element for module "konstruktion", description of the construction of an object.
- Contains:** titel , avsnitt+
- Contained in:** Fmvgrund
- Usage:** Description of the construcion of an object.

#### **Attributes:**

%MODSTART.ATT      See Description of Parameter Entities

## KONTROLL

### **Test**

#### *Kontroll*

- Definition:** Module start element for module "kontroll", test information.
- Contains:** titel , fore? , varn\* , obs\* , bild\* , (kontroll.atgard | kontroll.del)+ , efter?
- Contained in:** Fmvgrund
- Usage:** Comprises information on carrying out test of one object, verifying that the demands are obtained in addition to appropriate corrective action in case the demands are not obtained.  
There are different kinds of tests: functional test, performance test, system test, status test etc.

#### **Attributes:**

%MODSTART.ATT      See Description of Parameter Entities

## KONTROLLTYP

Test type

*Typ av kontroll*

**Definition:** Identifies the type of test to be performed.

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Required

**Usage:** The values of this attribute must be defined by each project.  
See further Parameter Entity "kontrolltyp.varden" in chapter 8.

## KONTROLL.ATGARD

**Test task**

*Kontrollåtgärd*

**Definition:** Comprises information on how to carry out one test task.

**Contains:** titel , fore? , %vad; , efter?

**Contained in:** kontroll, kontroll.del

**Usage:** Each task to be performed in a test should be placed in it's own element of this type. The task should be documented as a complete package of information, with specific pre- and post-conditions.

**Attributes:**

%ID.ATT See Description of Parameter Entities

## KONTROLL.DEL

**Sub-test**

*Delkontroll*

**Definition:** A logical part of the test

**Contains:** titel , kontroll.atgard+

**Contained in:** kontroll

**Usage:** A part of a test, that is not mapped to a specific object, but still is valid as a separate part in the documentation.

**Attributes:**

%ID.ATT See Description of Parameter Entities

## KORRIGERING

### Correction

*Korrektion av fel*

**Definition:** Comprises information on appropriate tasks to correct deviations.

**Contains:** %vad;

**Contained in:** moment

**Usage:** This can constitute a description on how to carry out the task, or a reference to such information.

### Attributes:

%ID.ATT                      See Description of Parameter Entities

## KSIFFRA

### Check sum number

*Kontrollsiffra*

**Definition:** Check sum number calculated in FREJ for a <fbet>.

**Contains:** #PCDATA

**Contained in:** detalj

**Usage:** Corresponds to field "ksiffra" in FREJ.

### Attributes:

## KUPPG

### Complementing info

*Kompletterande uppgifter*

**Definition:** Additional information about the detail/object.

**Contains:** (%tecken;)+

**Contained in:** detalj

**Usage:** Corresponds to field "kuppg" in FREJ.

### Attributes:

## LAMPLFELAVHJ

### Appropriate corrective action

*Lämplig avhjälpande åtgärd*

- Definition:** Contains information about appropriate actions to correct an indicated fault.
- Contains:** varn? , obs? , dirtext , anm?
- Contained in:** feltest, felfunktion
- Usage:** Gives the appropriate actions to correct a fault. If an action is described elsewhere (e.g. as a <uh.atgard>) a reference should be made using <hanvisning> together with some text describing the action in very general terms. Actions that are not used for other purposes may be described in detail, using <sekvens>

### Attributes:

%ID.ATT See Description of Parameter Entities

## LOK.ENTITY

### Nmlist for one or more entities

*Nmlist som lokaliserar en eller fler SGML entities*

- Definition:** Locates one or more entities as anchors
- Contains:** #PCDATA
- Contained in:** nlok.entity, nlok.modul, nlok.dok
- Usage:** Used to locate one or more entities, through entity declarations. The content of this element must be the name(s) of the entity declaration(s) for the entity. Names are separated with a comma or blanks. The entity must be declared in the same instance as this element, or in module named in attribute 'docorsub'. For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.2.

### Attributes:

#### DOCORSUB

Document or sub-document

*SGML dokument eller sub-dokument entity namn*

**Definition:** HyTime attribute: Name of the SGML entity containing anchors or entity declarations named in the content of this element

**Type/Values:** ENTITY

**Default:** Attribute is required or implied depending on element. If it is not used, 'this SGML entity' is implied. (When it is implied it is probably not very meaningful to use it.)  
Implied for this element.

**Usage:** Gives the name of the entity containing the information module in which the anchors or entity declarations are found.  
This attribute is normally used only when the declaration of the content of this element is found in another SGML entity than this linking module. If the content of this element is the name of an entity, this attribute gives the entity in which the 'content entity' is declared. If element content is the name (ID) of an element, this attribute gives the entity in which the

element is located.

If they are declared in the same SGML entity as this element (this linking module), this attribute need not be used. If it is used, it must contain the name of an entity for this linking module, and the entity must be declared in this linking module too.

For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.2.

## HYTIME

HyTime architectural form

*HyTime-nam*

**Definition:** HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

**Type/Values:** NAME

**Default:** Fixed value depending on element:

HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.

HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.

clink: The element is a HyTime Contextual Link Element

nameloc: The element is a HyTime Name Location Element

nmlist: The element is a HyTime Name List Element

Fixed value on this element: nmlist

**Usage:** The HyTime values differs between elements, but it is always a fixed value that must not be changed.

For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## NAMETYPE

Name Type

*Typ av namn (entity eller element)*

**Definition:** HyTime attribute: Declares whether the content of the element is to be treated as ID's of elements or Entity names.

**Type/Values:** element = Anchors are ID attributes at elements

entity = Anchors are entity names, corresponding to entity declarations

**Default:** Fixed value depending on element.

Fixed value on this element: entity

**Usage:** The nametype values differs between links, but it is always a fixed value that must not be changed.

For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.2.

## OBNAMES

Object treated as names

*HyTime objektnamn*

**Definition:** HyTime attribute: Declares whether the content of this element is to be treated as a name (e.g. content identifies another nameloc element) or not (the entity or ID represents the actual anchor, and no further indirection is possible)

**Type/Values:** nobnames = content is not a name of a HyTime object, but the name of the anchor itself  
obnames = content is a name of a HyTime object, and another level of indirection occurs

**Default:** Fixed value depending on element.  
Fixed value on this element: nobnames

**Usage:** The obnames values differs between links, but it is always a fixed value that must not be changed.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.2.

## LOK.INTERV

### Nmlist for a span (interval)

*Nmlist som lokaliserar ett intervall (startelement, slutelement)*

**Definition:** Locates two SGML elements, by their ID attribute values. The first ID is the span start element (the first element in the span), the second is the span end element (the last one in the span).

**Contains:** #PCDATA

**Contained in:** nlok.interv

**Usage:** Used when a span is located. The content of this element must be identical to the values of the located elements' ID-attributes. Exactly two ID's are required as content. The ID's are separated with a comma or blanks.  
The module in which the span occurs is identified in attribute "docorsub", pointing at an entity declaration in the same instance as this element.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.2.

### Attributes:

#### DOCORSUB

Document or sub-document

*SGML dokument eller sub-dokument entity namn*

**Definition:** HyTime attribute: Name of the SGML entity containing anchors or entity declarations named in the content of this element

**Type/Values:** ENTITY

**Default:** Attribute is required or implied depending on element. If it is not used, 'this SGML entity' is implied. (When it is implied it is probably not very meaningful to use it.)  
Required for this element.

**Usage:** Gives the name of the entity containing the information module in which the anchors or entity declarations are found.  
This attribute is normally used only when the declaration of the content of this element is found in another SGML entity than this linking module.

If the content of this element is the name of an entity, this attribute gives the entity in which the 'content entity' is declared. If element content is the name (ID) of an element, this attribute gives the entity in which the element is located.

If they are declared in the same SGML entity as this element (this linking module), this attribute need not be used. If it is used, it must contain the name of an entity for this linking module, and the entity must be declared in this linking module too.

For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.2.

## HYTIME

HyTime architectural form

*HyTime-namn*

**Definition:** HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

**Type/Values:** NAME

**Default:** Fixed value depending on element:  
 HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.  
 HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.  
 clink: The element is a HyTime Contextual Link Element  
 nameloc: The element is a HyTime Name Location Element  
 nmlist: The element is a HyTime Name List Element  
 Fixed value on this element: nmlist

**Usage:** The HyTime values differs between elements, but it is always a fixed value that must not be changed.  
 For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## NAMETYPE

Name Type

*Typ av namn (entity eller element)*

**Definition:** HyTime attribute: Declares whether the content of the element is to be treated as ID's of elements or Entity names.

**Type/Values:** element = Anchors are ID attributes at elements  
 entity = Anchors are entity names, corresponding to entity declarations

**Default:** Fixed value depending on element.  
 Fixed value on this element: element

**Usage:** The nametype values differs between links, but it is always a fixed value that must not be changed.  
 For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.2.



## OBNAMES

Object treated as names

*HyTime objektnamn*

**Definition:** HyTime attribute: Declares whether the content of this element is to be treated as a name (e.g. content identifies another nameloc element) or not (the entity or ID represents the actual anchor, and no further indirection is possible)

**Type/Values:** nobnames = content is not a name of a HyTime object, but the name of the anchor itself  
obnames = content is a name of a HyTime object, and another level of indirection occurs

**Default:** Fixed value depending on element.  
Fixed value on this element: nobnames

**Usage:** The obnames values differs between links, but it is always a fixed value that must not be changed.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.2.

## LOK.LOKALID

### Nmlist for a local ID

*Nmlist som lokaliserar ett eller flera lokala ID (element)*

**Definition:** Locates one or more SGML element, by their ID attribute value

**Contains:** #PCDATA

**Contained in:** nlok.elem

**Usage:** Used when one or more elements are located. The content of this element must be identical to the value of the located element's ID-attribute. The module in which the elements are located is identified in attribute "docorsub", pointing at an entity declaration in the same instance as this element.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.2.

### Attributes:

#### DOCORSUB

Document or sub-document

*SGML dokument eller sub-dokument entity namn*

**Definition:** HyTime attribute: Name of the SGML entity containing anchors or entity declarations named in the content of this element

**Type/Values:** ENTITY

**Default:** Attribute is required or implied depending on element. If it is not used, 'this SGML entity' is implied. (When it is implied it is probably not very meaningful to use it.)  
Required for this element.

**Usage:** Gives the name of the entity containing the information module in which the anchors or entity declarations are found.  
This attribute is normally used only when the declaration of the content of this element is found in another SGML entity than this linking module. If the content of this element is the name of an entity, this attribute gives the entity in which the 'content entity' is declared. If element content is the name (ID) of an element, this attribute gives the entity in which the

element is located.

If they are declared in the same SGML entity as this element (this linking module), this attribute need not be used. If it is used, it must contain the name of an entity for this linking module, and the entity must be declared in this linking module too.

For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.2.

## HYTIME

HyTime architectural form

*HyTime-nam*

**Definition:** HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

**Type/Values:** NAME

**Default:** Fixed value depending on element:

HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.

HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.

clink: The element is a HyTime Contextual Link Element

nameloc: The element is a HyTime Name Location Element

nmlist: The element is a HyTime Name List Element

Fixed value on this element: nmlist

**Usage:** The HyTime values differs between elements, but it is always a fixed value that must not be changed.

For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## NAMETYPE

Name Type

*Typ av namn (entity eller element)*

**Definition:** HyTime attribute: Declares whether the content of the element is to be treated as ID's of elements or Entity names.

**Type/Values:** element = Anchors are ID attributes at elements

entity = Anchors are entity names, corresponding to entity declarations

**Default:** Fixed value depending on element.

Fixed value on this element: element

**Usage:** The nametype values differs between links, but it is always a fixed value that must not be changed.

For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.2.

## OBNAMES

Object treated as names

*HyTime objektnamn*

**Definition:** HyTime attribute: Declares whether the content of this element is to be treated as a name (e.g. content identifies another nameloc element) or not (the entity or ID represents the actual anchor, and no further indirection is possible)

**Type/Values:** nobnames = content is not a name of a HyTime object, but the name of the anchor itself  
obnames = content is a name of a HyTime object, and another level of indirection occurs

**Default:** Fixed value depending on element.  
Fixed value on this element: nobnames

**Usage:** The obnames values differs between links, but it is always a fixed value that must not be changed.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.2.

## MATETAL

### Value

*Mätetal; Siffervärde*

**Definition:** Gives the numerical value of a data particular.

**Contains:** (%tecken;)+

**Contained in:** datavarde

**Usage:** Content must be a number.

**Attributes:**

## MOD.ATGARD

### Modification task

*Modifieringsåtgärd*

**Definition:** Contains information about a modification task.

**Contains:** titel? , fore? , %vad; , efter?

**Contained in:** modifying

**Usage:** Each task to be performed in a modification should be placed in it's own element of this type. The task should be documented as a complete package of information, with specific pre- and post-conditions.

**Attributes:**

%ID.ATT See Description of Parameter Entities

## MODIFIERING

### Modification

#### *Modifying*

- Definition:** Module start element for module "modifying", modification.
- Contains:** titel , fore? , varn\* , obs\* , bild\* , mod.atgard+ , efter?
- Contained in:** Fmvgrund
- Usage:** Comprises information about how to modificate an object.  
Used when the function or performance of an object is to be changed in some way.

### Attributes:

- %MODSTART.ATT      See Description of Parameter Entities

## MODUL.LANK

### Link between Admindata module and Information Module

#### *Länk mellan Admindatamodul och Informationsmodul*

- Definition:** A link that connects administrative data to the corresponding information module.
- Contains:** EMPTY
- Contained in:** moduladmin
- Usage:** Each admindata module can have one corresponding 'modul.lank' that connects it with its information module.

### Attributes:

#### ANCHROLE

Anchor roles

#### *Ankarroller*

- Definition:** HyTime attribute: Defines the roles of the anchors.
- Type/Values:** Fixed CDATA
- Default:** Fixed value that differs depending on element. The first value corresponds to the first linkend (attribute 'linkends'), the second value to the second linkend.  
The keyword '#AGG' after an anchrole value indicates that multiple anchors may be treated as an aggregate (which means that they are thought of as being one object).  
Fixed value on this element is Module Admindata
- Usage:** The 'anchrole' values differs between links, but it is always a fixed value that must not be changed. An application can build it's processing around anchor roles, but they have no other meaning in HyTime.  
For further explanations, see the HyTime standard (ISO 10744), clause 9.2.1.

## HYTIME

HyTime architectural form

*HyTime-namn*

Definition: HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

Type/Values: NAME

Default: Fixed value depending on element:

HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.

HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.

clink: The element is a HyTime Contextual Link Element

nameloc: The element is a HyTime Name Location Element

nmllist: The element is a HyTime Name List Element

Fixed value on this element is clink.

Usage: The HyTime values differs between elements, but it is always a fixed value that must not be changed.

For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## ID

Identity

*Identitet*

Definition: Reference identity of the element.

Type/Values: ID

Default: Required or implied depending on element.

Usage: Used to identify the element to enable referring by use of HyTime. Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## LINKEND

Link End

*Definierar länkens ände*

Definition: Hytime attribute: Defines the link end, used by the link. Points to location elements (nameloc).

Type/Values: IDREF

Default: Required

Usage: The ID value of the nameloc element used by the link must be entered in this attribute. For further explanations, see HyTime standard (ISO 10744), clause 9.2.2.

## MODULADMIN

### Module Administrative Data

*Administrativa data för en modul*

- Definition:** Administrative data concerning one information module or IPM
- Contains:** modul.lank? , status , proddata? , fmvdata? , andrdata?
- Contained in:** admindata
- Usage:** Each information module and information product module shall have one <moduladmin> element for their administrative data in a delivery.  
In a storage system, the administrative data is typically stored in a database or document management system.

### Attributes:

#### ID

Identity

*Identitet*

**Definition:** Reference identity of the element.

**Type/Values:** ID

**Default:** Required or implied depending on element.  
Required on this element.

**Usage:** Used to identify the element to enable referring by use of HyTime.  
Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## MOMENT

### Action

*Moment*

- Definition:** Action to be performed in any kind of task.
- Contains:** dirtext , (%dirprim; | uppst)\* , sekvens? , (verifiering , korrigerig?)?
- Contained in:** %vad
- Usage:** Describes an action to be performed. Detailed instructions can be given in element <sekvens>, so this element content should be kept on a fairly high level.  
Each <moment> can have a verification and a correction, written within their respective elements.

### Attributes:

%ID.ATT See Description of Parameter Entities

## MOMENT.BLOCK

### Block of actions

#### *Momentblock*

- Definition:** An association or grouping of procedural information with an internal relationship.
- Contains:** titel? , %vad;
- Contained in:** %vad
- Usage:** Used to group information that is related to each other, and that is not already associated or grouped by the DTD structure itself.  
Example: Text associated with a warning;  
Text and figure, which must not be put on different pages at printing or must be displayed on the screen simultaneously.

### Attributes:

- %BLOCK.ATT See Description of Parameter Entities
- %ID.ATT See Description of Parameter Entities

## MTRL.UPPG

### Materiel data

#### *Materieluppgift*

- Definition:** A single piece of data corresponding to a figure call-out.
- Contains:** posnr? , fbet , fben , refbet? , satsinfo? , kompl.info?
- Contained in:** forbrmtrl.lista, reservdel.lista, specverktyg.lista, stdverktyg.lista
- Usage:** Contains information regarding material e.g. spare parts, tools, consumables, accessories. All information originates from LSAR or FREJ.

### Attributes:

- %ID.ATT See Description of Parameter Entities

## NIV

### Presentation level

#### *Informations-nivå*

- Definition:** Defines the current level of content in an information product module.
- Contains:** titel? , (infoga.modul | niv)+
- Contained in:** infoprodmodul, niv
- Usage:** The level of content may be used to format information modules starting on different heading levels.

### Attributes:

---

ANDR.UTG

Change

*Ändringsutgåva*

Definition: A number that indicates element content changes in a specific issue of an information module or IPM

Type/Values: NUMBER

Default: Implied (NULL = no change)

Usage: Used when this element and/or its contained elements have been changed in a revision or update and it is required that the change shall be visible to the end user, e.g. through change bars. The number shall correspond to the change issue number ( attribute andr.nr on element andring) in the Administrative data module where the change description is.

Example: If andr.utg has a value of "3", it means that changes has been made since issue number "2"

This attribute is used in order to enable the generation of change bars on paper. If no change bars are required, it is enough to document the change in the admindata module, possibly with references (hanvisning) to changed elements.

Note: Deletion of an element is never directly indicated. Instead, the change attribute on a parent element is filled in.

HYTIME

HyTime architectural form

*HyTime-namn*

Definition: HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

Type/Values: NAME

Default: Fixed value depending on element:

HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.

HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.

clink: The element is a HyTime Contextual Link Element

nameloc: The element is a HyTime Name Location Element

nmllist: The element is a HyTime Name List Element

Fixed value on this element: HyBrid

Usage: The HyTime values differs between elements, but it is always a fixed value that must not be changed.

For further explanations, see the HyTime standard (ISO 10744), clause 6.4.



## NLOK.DOK

### Nameloc for foreign document

*Nameloc för externt dokument*

- Definition:** Locates a foreign document, that is not compliant with FMV Grund-DTD.
- Contains:** lok.entity?
- Contained in:** hytime.adresser
- Usage:** If the document is an SGML document compliant with another DTD, this element should contain a 'lok.entity' pointing to the document.  
If the document is not an SGML document, this element should have no content.  
The document may or may not be accessible by the user when he attempts to traverse the link. If it is an SGML document, The SGML/HyTime software should be able to resolve the link. If not, the application must be built to handle the result, whether it is an accessible non-SGML document or it is not accessible at all.  
For documents that cannot be accessed (for any reason) the application is supposed to handle the result, e.g. a dialog box could be shown containing the information found in attributes 'dok.namn', 'dok.id' and 'annan.info' of this element.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.1.

### Attributes:

#### AGGLOC

Aggregate location

*Aggregat-hantering för multipla ankare*

- Definition:** HyTime attribute: Identifies multiple anchors as being an aggregate.
- Type/Values:** nagg = anchors are not an aggregate (they each constitutes one valid anchor of the link, and they are not connected to each other).  
aggloc = treat anchors as aggregate location (all anchors together are regarded as being one object)  
agglink = treat anchors as aggregate, and link them to each other (traversal may occur between anchors)
- Default:** Default value differs depending on element.  
Default value on this element: nagg
- Usage:** Usually there is no need to change the default value, but when only one anchor is listed, "nagg" is the preferred value. Also, if the user must not jump between choises (in an interactive environment), aggloc is preferred before agglink.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.2.2.

## ANNAN.INFO

Other information regarding the document

*Annan information*

Definition: All other information (except document id and name) that is believed important to the user in order to assist him in retrieving the document manually.

Type/Values: CDATA

Default: Implied

Usage: This attribute is used to supply the user with any information he needs (complementary to attributes 'dok.id' and 'dok.namn') so that he will understand what document is referenced, in order to retrieve it manually or by interact with the application.  
It is recommended that this attribute is filled in when the information in 'dok.id' and 'dok.namn' is believed insufficient, since it is often impossible to know if the user will have access to a foreign document. This information may then be used by the user to retrieve the document, if the application presents the information to the him, e.g. in a dialogue box.

## DOK.ID

Document identity

*Dokumentbeteckning*

Definition: The identifier of a document (not an SGML id)

Type/Values: CDATA

Default: Implied

Usage: This attribute is used to identify the document for a user, not for an SGML system. The identification should be understandable to the user, e.g. the FMV identification (fbet or TO number) of the document.  
It is recommended that this attribute is always filled in, since it is often impossible to know if the user will have access to a foreign document. This information may then be used by the user to retrieve the document, if the application presents the information to the him, e.g. in a dialogue box.

## DOK.NAMN

Document name

*Dokumentnamn*

Definition: The name or title of the document being referenced.

Type/Values: CDATA

Default: Implied

Usage: This attribute is used to name the document for a user, not for an SGML system. The name should be understandable to the user, e.g. the title of the document.  
It is recommended that this attribute is always filled in, since it is often impossible to know if the user will have access to a foreign document. This information may then be used by the user to retrieve the document, if the application presents the information to the him, e.g. in a dialogue box.

## HYTIME

HyTime architectural form

*HyTime-namn*

Definition: HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

Type/Values: NAME

Default: Fixed value depending on element:

HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.

HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.

clink: The element is a HyTime Contextual Link Element

nameloc: The element is a HyTime Name Location Element

nmllist: The element is a HyTime Name List Element

Fixed value on this element: nameloc

Usage: The HyTime values differs between elements, but it is always a fixed value that must not be changed.

For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## ID

Identity

*Identitet*

Definition: Reference identity of the element.

Type/Values: ID

Default: Required or implied depending on element.

Required on this element.

Usage: Used to identify the element to enable referring by use of HyTime.

Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## ORDERING

Ordering

*Definierar om ankarordningen är signifikant*

Definition: HyTime attribute: Indicates whether the order of the anchors are significant or not.

Type/Values: ordered = order is significant  
noorder = order is insignificant

Default: Default value differs depending on element.

Default value on this element: noorder

Usage: If the order of the anchors is important, e.g. the user should be presented the information in the same order as the anchors are specified in the link, the value should be 'ordered'.

Usually there is no need to change the default value.

For further explanations, see the HyTime standard (ISO 10744), clause 8.2.2.

## SET

### Set

*Indikerar om ankarna utgör ett set (utan duplikat)*

**Definition:** HyTime attribute: Indicates whether anchors are to be treated as a set, and duplicate anchors be removed.

**Type/Values:** set = Anchors are a set, remove duplicates  
notset= anchors are not a set, keep duplicates

**Default:** set

**Usage:** The default value tells the HyTime engine to remove duplicate anchors. If duplicates for some reason is desired, change the value to "notset".  
For further explanations, see the HyTime standard (ISO 10744), clause 8.2.2.

## NLOK.ELEM

### Nameloc for elements

*Nameloc för element*

**Definition:** Nameloc that identifies one or more SGML element as an anchors

**Contains:** lok.lokalid

**Contained in:** hytime.adresser

**Usage:** Used to locate one or more elements as anchors, through contained element 'lok.lokalid' that lists the ID's of the elements.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.1.

### Attributes:

## AGGLOC

### Aggregate location

*Aggregat-hantering för multipla ankare*

**Definition:** HyTime attribute: Identifies multiple anchors as being an aggregate.

**Type/Values:** nagg = anchors are not an aggregate (they each constitutes one valid anchor of the link, and they are not connected to each other).

aggloc = treat anchors as aggregate location (all anchors together are regarded as being one object)

agglink = treat anchors as aggregate, and link them to each other (traversal may occur between anchors)

**Default:** Default value differs depending on element.

Default value on this element: nagg

**Usage:** Usually there is no need to change the default value, but when only one anchor is listed, "nagg" is the preferred value. Also, if the user must not jump between choices (in an interactive environment), aggloc is preferred before agglink.

For further explanations, see the HyTime standard (ISO 10744), clause 8.2.2.

## HYTIME

HyTime architectural form

*HyTime-namn*

Definition: HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

Type/Values: NAME

Default: Fixed value depending on element:  
HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.  
HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.  
clink: The element is a HyTime Contextual Link Element  
nameloc: The element is a HyTime Name Location Element  
nmlist: The element is a HyTime Name List Element  
Fixed value on this element: nameloc

Usage: The HyTime values differs between elements, but it is always a fixed value that must not be changed.  
For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## ID

Identity

*Identitet*

Definition: Reference identity of the element.

Type/Values: ID

Default: Required or implied depending on element.  
Required on this element.

Usage: Used to identify the element to enable referring by use of HyTime.  
Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## ORDERING

Ordering

*Definierar om ankarordningen är signifikant*

Definition: HyTime attribute: Indicates whether the order of the anchors are significant or not.

Type/Values: ordered = order is significant  
noorder = order is insignificant

Default: Default value differs depending on element.  
Fixed value on this element: noorder

Usage: If the order of the anchors is important, e.g. the user should be presented the information in the same order as the anchors are specified in the link, the value should be 'ordered'.  
Usually there is no need to change the default value.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.2.2.

## SET

### Set

*Indikerar om ankarna utgör ett set (utan duplikat)*

**Definition:** HyTime attribute: Indicates whether anchors are to be treated as a set, and duplicate anchors be removed.

**Type/Values:** set = Anchors are a set, remove duplicates  
notset= anchors are not a set, keep duplicates

**Default:** set

**Usage:** The default value tells the HyTime engine to remove duplicate anchors. If duplicates for some reason is desired, change the value to "notset".  
For further explanations, see the HyTime standard (ISO 10744), clause 8.2.2.

## NLOK.ENTITY

### Nameloc for entities

*Nameloc för SGML entities*

**Definition:** Nameloc for one or more entity anchors

**Contains:** lok.entity

**Contained in:** hytime.adresser

**Usage:** Used to locate one or more entities as anchors (e.g. an entire module, a graphics file, etc.), through contained element 'lok.entity' that lists the names of the entity declarations.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.1.

### Attributes:

## AGGLOC

Aggregate location

*Aggregat-hantering för multipla ankare*

**Definition:** HyTime attribute: Identifies multiple anchors as being an aggregate.

**Type/Values:** nagg = anchors are not an aggregate (they each constitutes one valid anchor of the link, and they are not connected to each other).  
aggloc = treat anchors as aggregate location (all anchors together are regarded as being one object)  
agglink = treat anchors as aggregate, and link them to each other (traversal may occur between anchors)

**Default:** Default value differs depending on element.

Default value on this element: nagg

**Usage:** Usually there is no need to change the default value, but when only one anchor is listed, "nagg" is the preferred value. Also, if the user must not jump between choices (in an interactive environment), aggloc is preferred before agglink.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.2.2.

## HYTIME

HyTime architectural form

*HyTime-namn*

Definition: HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

Type/Values: NAME

Default: Fixed value depending on element:

HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.

HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.

clink: The element is a HyTime Contextual Link Element

nameloc: The element is a HyTime Name Location Element

nmllist: The element is a HyTime Name List Element

Fixed value on this element: nameloc

Usage: The HyTime values differs between elements, but it is always a fixed value that must not be changed.

For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## ID

Identity

*Identitet*

Definition: Reference identity of the element.

Type/Values: ID

Default: Required or implied depending on element.

Required on this element.

Usage: Used to identify the element to enable referring by use of HyTime.

Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## ORDERING

Ordering

*Definierar om ankarordningen är signifikant*

Definition: HyTime attribute: Indicates whether the order of the anchors are significant or not.

Type/Values: ordered = order is significant  
noorder = order is insignificant

Default: Default value differs depending on element.

Default value on this element: noorder

Usage: If the order of the anchors is important, e.g. the user should be presented the information in the same order as the anchors are specified in the link, the value should be 'ordered'.

Usually there is no need to change the default value.

For further explanations, see the HyTime standard (ISO 10744), clause 8.2.2.

## SET

### Set

*Indikerar om ankarna utgör ett set (utan duplikat)*

**Definition:** HyTime attribute: Indicates whether anchors are to be treated as a set, and duplicate anchors be removed.

**Type/Values:** set = Anchors are a set, remove duplicates  
notset= anchors are not a set, keep duplicates

**Default:** set

**Usage:** The default value tells the HyTime engine to remove duplicate anchors. If duplicates for some reason is desired, change the value to "notset".  
For further explanations, see the HyTime standard (ISO 10744), clause 8.2.2.

## NLOK.INTERV

### Nameloc for a span

*Nameloc för intervall*

**Definition:** Nameloc for a span, consisting of span start anchor and span end anchor.

**Contains:** lok.interv

**Contained in:** hytime.adresser

**Usage:** Used when referenced information spans over several elements, e.g. text and figure elements, or several steps in a procedure. The two anchors must be placed in the same SGML entity.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.1.

### Attributes:

## HYTIME

HyTime architectural form

*HyTime-namn*

**Definition:** HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

**Type/Values:** NAME

**Default:** Fixed value depending on element:  
HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.  
HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.  
clink: The element is a HyTime Contextual Link Element  
nameloc: The element is a HyTime Name Location Element  
nmlist: The element is a HyTime Name List Element  
Fixed value on this element: nameloc

**Usage:** The HyTime values differs between elements, but it is always a fixed value that must not be changed.  
For further explanations, see the HyTime standard (ISO 10744), clause 6.4.



## ID

Identity

*Identitet*

Definition: Reference identity of the element.

Type/Values: ID

Default: Required or implied depending on element.  
Required on this element.

Usage: Used to identify the element to enable referring by use of HyTime.  
Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## LIMSORT

Limit sorting

*Intervallgränsernas sortering*

Definition: HyTime attribute: Declares whether the span limits (span start and span end anchors) are sorted or not.

Type/Values: limsort = Limits are sorted: span start anchor comes first  
nlimsort = Limits are not sorted.

Default: limsort

Usage: The span start anchor must always be given before the span end anchor, so there is no need to change the default value.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.2.3.

## SPANLOC

Span location

*Länktyp för intervall*

Definition: HyTime attribute: Defines the type of span location

Type/Values: Fixed value: spanloc = treat span as a span location

Default: Fixed value: spanloc

Usage: This is a fixed attribute and the value may never be changed.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.2.3.

## NLOK.MODUL

### Nameloc for information module

*Nameloc för en informationsmodul*

**Definition:** Locates and identifies a unique information module

**Contains:** lok.entity

**Contained in:** hytime.adresser

**Usage:** Used to identify a single information module, through contained element 'lok.entity' that lists the names of the entity declarations.  
For further explanations, see the HyTime standard (ISO 10744), clause 8.3.2.1.

**Attributes:**

---

## HYTIME

HyTime architectural form

*HyTime-namn*

Definition: HyTime attribute: Identifies the element or it's content as being significant to HyTime processing, and defines the corresponding HyTime architectural form

Type/Values: NAME

Default: Fixed value depending on element:

HyDoc: Indicates that the module is a HyTime document, i.e. it contains HyTime elements, and must be processed by a HyTime engine.

HyBrid: Indicates that the element can contain HyTime elements, that needs to be processed.

clink: The element is a HyTime Contextual Link Element

nameloc: The element is a HyTime Name Location Element

nmlist: The element is a HyTime Name List Element

Fixed value on this element: nameloc

Usage: The HyTime values differs between elements, but it is always a fixed value that must not be changed.

For further explanations, see the HyTime standard (ISO 10744), clause 6.4.

## ID

Identity

*Identitet*

Definition: Reference identity of the element.

Type/Values: ID

Default: Required or implied depending on element.

Required on this element.

Usage: Used to identify the element to enable referring by use of HyTime.

Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## OBJEKT

### Object representation

*Representation av objekt (fysiskt eller funktionellt)*

- Definition:** Representation of the object being described.
- Contains:** EMPTY
- Contained in:** Fmvgrund
- Usage:** Used for the connection of modules to objects. The object may be physical or functional. It may also locate other data regarding the object, which is considered to represent the object itself.  
Each object in the materiel breakdown structure that shall have information modules connected to it must be represented by one and only one element of this type in the linking module.  
Each information module must be connected to one (or more, through 'nlok.multobj') of the 'objekt' elements.  
Through such connections it is possible to find other information modules connected to an object.  
It is also possible to retrieve information that is not stored in information modules through the 'objekt' element, depending on the application. The element has a number of attributes that together will make a search for other information possible, e.g. via a CORBA server.  
This element has no HyTime significance.

### Attributes:

#### DOMAN

Domain

*Domän*

- Definition:** Defines the domain in which the information regarding the object is stored.
- Type/Values:** NAMES
- Default:** Required
- Usage:** This attribute gives the domain in which the information regarding the object is stored, e.g. 'LSAR F' (meaning 'LSAR database, functional structure').  
Since all information is not stored in the same domain, the name of the most central domain should be cited. The application is responsible to make the right connection, depending on application-specific queries.

#### ID

Identity

*Identitet*

- Definition:** Reference identity of the element.
- Type/Values:** ID
- Default:** Required or implied depending on element.  
Required on this element.
- Usage:** Used to identify the element to enable referring by use of HyTime.  
Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## IDUPPBYGGNAD

### ID construction

#### *Definition av id-uppbyggnaden*

Definition: Defines the construction of the id in the attribute 'objekt.id'

Type/Values: CDATA

Default: Required

Usage: This attribute should describe the syntax used in attribute 'objekt.id'. This is done by one code word for each part of the id, separated by spaces, e.g. 'LCN ALCN UOC' (meaning 'Logistic Control Number', 'Alternative Logistic Control Number' and 'Usable-On Code').

## KONTEXT

### Context

#### *Definierar det sammanhang i vilket objektet används*

Definition: Defines the context in which the object is used, e.g. the name of the project

Type/Values: CDATA

Default: Required

Usage: If no universal unique identities of objects is defined, this attribute makes it possible to limit the search of the object to a specific project, e.g. 'main battle tank 121 and 122'.

If a project do not use unique identifiers within the project, this attribute should name the lowest sub-project containing the object which has unique id's.

## OBJEKT.ID

### Unique ID for the object

#### *Unikt ID för objektet*

Definition: A unique ID for the object, within the context in attribute 'kontext', existing within the domain in attribute 'doman', and entered here with a syntax according to attribute 'iduppbyggnad'

Type/Values: CDATA

Default: Required

Usage: This is the unique id of the object within the domain in 'doman'. It should be built with a syntax according to 'iduppbyggnad', e.g. 'X123 01 00' (see attribute 'iduppbyggnad').

## OBJEKT.NAMN

### Name of object

#### *Namn på objekt*

Definition: A name of the object, that communicates to the user what the object is

Type/Values: CDATA

Default: Implied

Usage: This attribute should give the name of the object, in such a form that the user will be able to understand what it is. There is no other intended use than to inform the end user of what the object is.

This attribute should be displayed when a user queries what object is connected to a specific information module, preferably together with some other attributes of this element.

## OBS

### Observe *Observera*

- Definition:** Points out the risk of material damage.
- Contains:** obs.text , (obs.text | obs.uppst)\*
- Contained in:** felavhjalpning, forradsstallning, handhavande, kontroll, modifiering, oversyn, %vad, period.uh, renovering, sekv.block, sekv.block.sub, sekvens, sekvens.sub, uh.atgard, lamplfelavhj
- Usage:** Used for observes or cautions (risk for material damage).  
The "heading" (usually the string "OBS!") is supposed to be automatically generated by the system, as are other formattings. Do not enter the heading in this element.

### Attributes:

%ID.ATT See Description of Parameter Entities

### OBSTYP

Type of observe information

*Typ av obs-information*

**Definition:** Defines the type of observe information

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Project defineable default value.  
Defined as #IMPLIED as default in FMV Grund-DTD.

**Usage:** The values of this attribute must be defined by each project.  
See further Parameter Entity "obstyp.varden" in chapter 8.  
Both the possible values and the default value (or keyword implied/required) are defined in the same parameter entity.

## OBS.PUNKT

### Observe List item *Listpunkt i Observera*

- Definition:** Identifies a list element in a list <obs-uppst> within observe <obs>
- Contains:** (%tecken; | hanvisning)+
- Contained in:** obs.uppst
- Usage:** The list element can contain only one single text paragraph. No sub-lists are allowed.

### Attributes:

## OBS.TEXT

### Caution text

*Text i Obs*

**Definition:** Text paragraph of an observe <obs>.

**Contains:** (%tecken; | hanvisning)+

**Contained in:** obs

**Usage:** A paragraph of text inside an <obs>.

### Attributes:

%ID.ATT See Description of Parameter Entities

## OBS.UPPST

### Caution list

*Punktuppstallning i Observera*

**Definition:** An unordered list in observe <obs>

**Contains:** obs.punkt+

**Contained in:** obs

**Usage:** This is a limited type of unordered list, with no sub-lists.

### Attributes:

%ID.ATT See Description of Parameter Entities

## OVERSYN

### Overhaul

*Översyn*

**Definition:** Module start element for module "översyn", overhaul

**Contains:** titel , fore? , varn\* , obs\* , bild\* , (oversyn.atgard | oversyn.del)+ , efter?

**Contained in:** Fmvgrund

**Usage:** Comprises required information on carrying out the overhaul maintenance tasks on one object, verification of requirements, and appropriate corrective actions in case the requirements are not met.

### Attributes:

%MODSTART.ATT See Description of Parameter Entities

### DRIFTINTERVALL

Operation interval

*Driftintervall*

**Definition:** Specifies the operational interval at which the periodic maintenance is to be performed.

Type/Values: Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

Default: Implied

Usage: The unit of measurement can vary due to object, e.g. km, number of fireings, operational hours.  
The values of this attribute must be defined by each project.  
See further Parameter Entity "driftintervall.varden" in chapter 8.

#### TIDSINTERVALL

Time interval  
*Tidsintervall*

Definition: Specifies the period of time between two consecutive activities of this type on the object.

Type/Values: Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

Default: Implied (Null)

Usage: This attribute can be used together with attribute "driftintervall", in which case the interval that first comes to an end is predominant (e.g. 1 year or 20000 km).  
The values of this attribute must be defined by each project.  
See further Parameter Entity "tidsintervall.varden" in chapter 8.

## OVERSYN.ATGARD

### Overhaul tasks

#### Översynsåtgärd

**Definition:** Comprises information on how to carry out on overhaul task.

**Contains:** titel? , fore? , % vad; , efter?

**Contained in:** oversyn, oversyn.del

**Usage:** Each task to be performed in an overhaul should be placed in it's own element of this type. The task should be documented as a complete package of information, with specific pre- and post-conditions.

#### Attributes:

%ID.ATT See Description of Parameter Entities

## OVERSYN.DEL

### Overhaul part

#### Del av översyn

**Definition:** A logical part of the overhaul

**Contains:** titel , oversyn.atgard+

**Contained in:** oversyn

**Usage:** A part of an overhaul, that is not mapped to a specific object, but still is valid as a separate part in the documentation.

#### Attributes:

%ID.ATT See Description of Parameter Entities

## PERIOD.UH

### Periodic maintenance

#### *Periodiskt underhåll*

- Definition:** Module start element for module "periodiskt underhåll", periodic maintenance
- Contains:** titel , fore? , varn\* , obs\* , bild\* , (peruh.atgard | peruh.del)+ , efter?
- Contained in:** Fmvgrund
- Usage:** Contains information used for preventive maintenance activities on one object.

### Attributes:

- %MODSTART.ATT      See Description of Parameter Entities

### ANVSTATUS

#### Operational status

#### *Användningsstatus*

- Definition:** Specifies the operational status of the object.
- Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.
- Default:** Required
- Usage:** The values of this attribute must be defined by each project.  
See further Parameter Entity "anvstatus.varden" in chapter 8.

### BERORD.MTRL.FUNKT

#### Materiel or function involved

#### *Berörd materiel eller funktion*

- Definition:** Contains information about what specific part(s) of one maintenance object or function that is involved in one or several periodic maintenance tasks.
- Type/Values:** CDATA
- Default:** Implied
- Usage:** Intended to indicate what object or function (or parts thereof) is involved in this periodic maintenance.  
This attribute may be used for the materiel mainenance schedule ("materielvårdsschema").

### DRIFTINTERVALL

#### Operation interval

#### *Driftintervall*

- Definition:** Specifies the operational interval at which the periodic maintenance is to be performed.
- Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.
- Default:** Implied
- Usage:** The unit of measurement can vary due to object, e.g. km, number of fireings, operational hours.  
The values of this attribute must be defined by each project.  
See further Parameter Entity "driftintervall.varden" in chapter 8.



## DRIFTLAGE

Operational mode

*Användarstatus*

**Definition:** Specifies the mode of operation at which the periodic maintenance is to be performed.

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Implied

**Usage:** The values of this attribute must be defined by each project.  
See further Parameter Entity "driftlage.varden" in chapter 8.

## SAMMANF.ATGARDER

Summary task

*Sammanfattning av åtgärder*

**Definition:** Contains information summarizing actions to be performed in one or several periodic maintenance tasks.

**Type/Values:** CDATA

**Default:** Implied

**Usage:** Intended to summarize in very few words the actions being performed in this periodic maintenance.  
This attribute may be used for the materiel maintenance schedule ("materielvårdsschema").

## TIDSINTERVALL

Time interval

*Tidsintervall*

**Definition:** Specifies the period of time between two consecutive activities of this type on the object.

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Implied (Null)

**Usage:** This attribute can be used together with attribute "driftintervall", in which case the interval that first comes to an end is predominant (e.g. 1 year or 20000 km).  
The values of this attribute must be defined by each project.  
See further Parameter Entity "tidsintervall.varden" in chapter 8.

## PERUH.ATGARD

### Periodic maintenance task

*Periodisk underhållsåtgärd*

**Definition:** Comprises information about one periodic maintenance task performed on an object.

**Contains:** titel? , fore? , %vad; , efter?

**Contained in:** period.uh, peruh.del

**Usage:** Each task to be performed should be placed in it's own element of this type. The task should be documented as a complete package of information, with specific pre- and post-conditions.

**Attributes:**

%ID.ATT                      See Description of Parameter Entities

## PERUH.DEL

### Periodic maintenance part

*Del av periodiskt underhåll*

**Definition:**            A logical part of the periodic maintenance

**Contains:**            titel , peruh.atgard+

**Contained in:**        period.uh

**Usage:**                A part of a periodic maintenance, that is not mapped to a specific object, but still is valid as a separate part in the documentation.

**Attributes:**

%ID.ATT                      See Description of Parameter Entities

### BERORD.MTRL.FUNKT

Materiel or function involved

*Berörd materiel eller funktion*

**Definition:**        Contains information about what specific part(s) of one maintenance object or function that is involved in one or several periodic maintenance tasks.

**Type/Values:**    CDATA

**Default:**            Implied

**Usage:**             Intended to indicate what object or function (or parts thereof) is involved in this periodic maintenance.  
This attribute may be used for the materiel mainenance schedule ("materielvårdsschema").

### SAMMANF.ATGARDER

Summary task

*Sammanfattning av åtgärder*

**Definition:**        Contains information summarizing actions to be performed in one or several periodic maintenance tasks.

**Type/Values:**    CDATA

**Default:**            Implied

**Usage:**             Intended to summarize in very few words the actions being performed in this periodic maintenance.  
This attribute may be used for the materiel mainenance schedule ("materielvårdsschema").

## PLANDATA

### Planning Data

#### *Planeringsdata*

**Definition:** Planning information regarding information module or information product module (IPM)  
**Contains:** EMPTY  
**Contained in:** status  
**Usage:** Filled out by supplier, to update FMV on the production plans for each information module or IPM.

#### **Attributes:**

#### BEHOVSDAT

Date when information module is required

##### *Behovsdatum*

**Definition:** Date when information module is required for use at bases.

**Type/Values:** NUTOKEN

**Default:** Implied (Null)

**Usage:** Date is given in the form YYYY-MM-DD, with dashes inbetween groups.

#### BEHOVSPRIORITET

Priority for the requirement date

##### *Behovsprioritet*

**Definition:** Priority for the required date of this information module, in comparison to total requirement priorities.

**Type/Values:** normal = normal priority  
prioritet = high priority

**Default:** Implied (Null implies "normal")

**Usage:** The value "prioritet" is recommended to be used sparsely, and only for highest priority.

#### PLANAUTGLEV

Planned date for delivery of manuscript issue

##### *Planerat datum för leverans av arbetsutgåva*

**Definition:** Planned date for delivery of manuscript issue

**Type/Values:** %date (NUTOKEN)

**Default:** Implied (Null)

**Usage:** Date is given in the form YYYY-MM-DD, with dashes inbetween groups.

#### PLANFUTGLEV

Planned date for delivery of issue for confirmation

##### *Planerat datum för leverans av fastställseutgåva*

**Definition:** Planned date for delivery of issue for confirmation, i.e. the issue that is supposed to be confirmed (fastställd)

**Type/Values:** %date (NUTOKEN)

**Default:** Implied (Null)

**Usage:** Date is given in the form YYYY-MM-DD, with dashes inbetween groups.

## POSNR

### Call-out number

*Posnummer*

- Definition:** Identifies the call-out being described.
- Contains:** #PCDATA
- Contained in:** bildpos, detalj.uppg, mtrl.uppg
- Usage:** The number should be entered exactly as it is in the illustration, with full stop, right parenthesis, or alike.

### Attributes:

#### BILDREF

Referring figure

*Refererande bild*

- Definition:** An SGML IDREF link to a figure element (or position in the figure).
- Type/Values:** IDREF
- Default:** Implied
- Usage:** Can only be used when the target ID is located in the same module as this element. The value of this attribute should match the unique identifier of some other element.

## POSTEXT

### Call-out text

*Positionstext (postext)*

- Definition:** Description of the call-out item.
- Contains:** (%tecken; | betoning)+
- Contained in:** bildpos
- Usage:** This element contains the text of the call-out description. It is usually a very short text string, that merely identifies the call-out item.

### Attributes:

## PRODDATA

### Data about the Producer

*Producentdata*

- Definition:** Information regarding the producer of the information module or IPM
- Contains:** EMPTY
- Contained in:** moduladmin
- Usage:** Filled out by the producer.

### Attributes:

#### P.PUBANSVAR

Person in charge of the publication

*Producentens publikationsansvarige*

**Definition:** Name of the person in charge of the publication at producer (in an administrative sense).

**Type/Values:** CDATA

**Default:** Required

**Usage:** Given name followed by family name.

#### P.SAKANSVAR

Person in charge of the technical content

*Producentens sakansvarige*

**Definition:** Name of the person in charge of the technical contents at producer.

**Type/Values:** CDATA

**Default:** Required

**Usage:** Given name followed by family name.

#### PRODUCENT

Producer

*Producent*

**Definition:** Name of producing company or organisation

**Type/Values:** CDATA

**Default:** Required

**Usage:** Example: "Telub Inforum AB"

## PUNKT

#### List item

*Uppställningspunkt*

**Definition:** Identifies a list item in a list <uppst>.

**Contains:** text , (text | anm | bild | table | uppst.sub)\*

**Contained in:** uppst

**Usage:** A list item in a list <uppst>.

List text paragraphs (textstycken) can be created by the use of the element

<text>. Notes <anm>, graphics <bild>, and tables <table> can also be included.

A list element can contain unordered lists on one lower level <uppst.sub>.

References to list elements are made directly to this element.

#### Attributes:

%ID.ATT See Description of Parameter Entities

## PUNKT.SUB

### Sub-list item

*Punkt i deluppställning*

**Definition:** Identifies a list item in a sub-list <uppst.sub>.

**Contains:** text , (text | anm | bild | table)\*

**Contained in:** uppst.sub

**Usage:** Used to produce a sub-list elements in a sub-list <uppst.sub>. Sub-list paragraphs can be created by use of the element <text>. Notes <anm>, figures <bild>, and tables <table> can also be included. References to sub-list items are made directly to this element.

### Attributes:

%ID.ATT See Description of Parameter Entities

## REF.DATA

### Referenced data

*Referens till data*

**Definition:** Data that is required for the procedure.

**Contains:** dirtext+

**Contained in:** fore

**Usage:** Contains free text and references to all data that is needed for the procedure

### Attributes:

%ID.ATT See Description of Parameter Entities

## REF.FORESKR

### Referenced Regulations list

*Referens till föreskrifter*

**Definition:** List of referenced regulations

**Contains:** foreskr+

**Contained in:** fore

**Usage:** Lists all regulations that are part of the pre-conditions, and that are needed for the procedure.

### Attributes:

%ID.ATT See Description of Parameter Entities

## REF.INSTALLN

### Referenced adjustments

*Referens till inställningar*

**Definition:** Adjustments or settings to be executed after a procedure.  
**Contains:** dirtext+  
**Contained in:** efter  
**Usage:** Contains free text and references to all values to be set after a procedure.

### Attributes:

%ID.ATT See Description of Parameter Entities

## REF.KONTROLL

### Referenced test

*Referens till kontroller*

**Definition:** Tests and checks to be executed after a procedure.  
**Contains:** dirtext+  
**Contained in:** efter  
**Usage:** Contains free text and references to all test to be run after a procedure.

### Attributes:

%ID.ATT See Description of Parameter Entities

## REF.MTRL

### Referenced materials

*Referens till materiel*

**Definition:** Materiel that is required for the procedure  
**Contains:** stdverktyg.lista? , specverktyg.lista? , forbrmtrl.lista? , reservdel.lista?  
**Contained in:** fore  
**Usage:** Contains lists of all materiel that is needed for the procedure

### Attributes:

%ID.ATT See Description of Parameter Entities

## REFBET

### Manufacturer's ID

#### *Referensbeteckning*

**Definition:** The manufacturer reference identity of a material detail/object.

**Contains:** firmakod , ritnnr

**Contained in:** detalj, mtrl.uppg

**Usage:** Corresponds to the field "refbet" in FREJ.

#### Attributes:

##### ID

Identity

*Identitet*

**Definition:** Reference identity of the element.

**Type/Values:** ID

**Default:** Required or implied depending on element.  
Required on this element.

**Usage:** Used to identify the element to enable referring by use of HyTime.  
Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## REFBET.ALT

### Alternative Manufacturer's ID

#### *Alternativ referensbeteckning*

**Definition:** An additional manufacturer reference identity of a material detail/object.

**Contains:** firmakod , ritnnr

**Contained in:** detalj

**Usage:** Corresponds to the field "arefbet" in FREJ.

#### Attributes:

##### ID

Identity

*Identitet*

**Definition:** Reference identity of the element.

**Type/Values:** ID

**Default:** Required or implied depending on element.  
Required on this element.

**Usage:** Used to identify the element to enable referring by use of HyTime.  
Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.



## RENOV.ATGARD

### Renovation task

#### *Renoveringsåtgärd*

- Definition:** Contains information about one step of a renovation task to be performed on an object.
- Contains:** titel? , fore? , % vad; , efter?
- Contained in:** renovering
- Usage:** Each task to be performed should be placed in it's own element of this type. The task should be documented as a complete package of information, with specific pre- and post-conditions.

### Attributes:

%ID.ATT See Description of Parameter Entities

## RENOVDATA

### Renovation data

#### *Renoveringsdata*

- Definition:** Contains limit values allowed for renovation data of one object.
- Contains:** datavarde+
- Contained in:** uhdata
- Usage:** To be applied for presentation of allowed minimum value for e.g. figures, allowances etc. when renovating one object.

### Attributes:

## RENOVERING

### Renovation

#### *Renovering*

- Definition:** Module start element for module "renovering", renovation
- Contains:** titel , fore? , varn\* , obs\* , bild\* , renov.atgard+ , efter?
- Contained in:** Fmvgrund
- Usage:** Contains information about how to renovate an object. Used when an object in matter of function and performance shall be restored to comply with the original specification..

### Attributes:

%MODSTART.ATT See Description of Parameter Entities

## REPDATA

### Repair data

#### *Reparationsdata*

- Definition:** Contains information on figures that, when exceeded or not exceeded, will involve repair or scrapping of one object.
- Contains:** datavarde+
- Contained in:** uhdata
- Usage:** To be applied for specification of minimum values (figures) for e.g. figures, allowances etc. which are valid for one object to be used. Exceeding or not exceeding the values (figures) causes repair or scrapping of one object.

#### Attributes:

## RESERVDEL.LISTA

### Spare parts list

#### *Lista med reservdelar*

- Definition:** List of spare parts required for the procedure.
- Contains:** infoga.nonsxml\* , mtrl.uppg+
- Contained in:** ref.mtrl
- Usage:** Lists all spare parts that might be required for the procedure, together with an optional illustration.

#### Attributes:

%ID.ATT See Description of Parameter Entities

## RESERVDELAR

### Spare Parts

#### *Reservdelar*

- Definition:** Module start element for module "reservdelar", spare parts.
- Contains:** titel , infoga.nonsxml\* , detalj.uppg+
- Contained in:** Fmvgrund
- Usage:** Used to collect spare part information concerning an object, or just associated or grouped spare parts.

#### Attributes:

%MODSTART.ATT See Description of Parameter Entities

## RESULTAT

### Result

*Resultat*

**Definition:** Identifies the result of a fault delimitation task.

**Contains:** felkod | dirtext

**Contained in:** feltest

**Usage:** Contains the result obtained when a fault delimitation has been performed, e.g. "the voltage in point A is 6 V" or "two LEDs out of four are lit". Each different result (or types of results that requires the same action) are given it's own <resultat> element.  
These kinds of result prompts for actions, either further delimitation or appropriate corrective action.

### Attributes:

%ID.ATT See Description of Parameter Entities

## RITNNR

### Drawing number

*Ritningsnummer*

**Definition:** The identity of a drawing defining the detail/object.

**Contains:** #PCDATA

**Contained in:** refbet, refbet.alt

**Usage:** Corresponds to the field "ritnnr" in FREJ.

### Attributes:

## ROW

### Table row

*Tabellrad*

**Definition:** A horisontal row in the table. Contains one or more entries, in any order.

**Contains:** entry+

**Contained in:** thead, tbody

**Usage:** The table is built row-by-row, with each row containing number of entry elements.

### Attributes:

### ROWSEP

Row separators

*Linjer för att separera rader*

**Definition:** Row separators (horizontal ruling).

Type/Values: NUMBER  
Default: Implied  
Usage: Horizontal border lines are defined using the Row separator attribute (Rowsep). The attribute hold numeric values, where a value of '0' (zero) indicates no border line, and a value of '1' (one) represents the presence of a line. The default value is '1'.

## VALIGN

Vertical alignment  
*Vertikal positionering*  
Definition: Text vertical positioning within the <entry>s.  
Type/Values: top  
middle  
bottom  
Default: Implied  
Usage: Used to positioning text vertical within the <entry>s. Provides default value for <row>s and <entry>s in <thead>.

## SATSINFO

### Information about appertaining batches

*Information om tillhörande verktygsuppsättning eller materialsats*

**Definition:** Used for information regarding appertaining batches.  
**Contains:** #PCDATA  
**Contained in:** mtrl.uppg  
**Usage:** Used for information regarding which tool kit a tool belongs to or which batch a material detail/object belongs to.

**Attributes:**

## SCHEMA

### Diagram

*Schema*

**Definition:** Module start element for module "schema", diagram  
**Contains:** titel , schemablad+  
**Contained in:** Fmvgrund  
**Usage:** Used for a diagram for an object

**Attributes:**

%MODSTART.ATT See Description of Parameter Entities

### RITNINGSNR

Drawing number  
*Schemats ritningsnummer*  
Definition: Identification of the diagrams drawing number

Type/Values: CDATA  
Default: Implied (Null)  
Usage: The number should be entered exactly as it is in the drawing.

## SCHEMATYP

Diagram type

*Typ av schema*

Definition: Identifies the type of diagram

Type/Values: Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

Default: Required

Usage: The values of this attribute must be defined by each project, based on the information analysis. See further Parameter Entity "schematyp.varden" in chapter 8.

## SCHEMABLAD

### Diagram Sheet

*Schemablاد*

**Definition:** A part (sheet) of a diagram.

**Contains:** infoga.nonsgml , komfort?

**Contained in:** schema

**Usage:** A diagram can contain several <schemablاد> if the diagram consists of several illustrations (sheets).

### Attributes:

%ID.ATT See Description of Parameter Entities

### BLADNR

Sheet number

*Bladnummer*

Definition: The number or other identification of a diagram sheet

Type/Values: CDATA

Default: Implied

Usage: Sheet number shall correspond exactly to the identification number of the diagram sheet, as printed on paper.  
This attribute must be used if the diagram consists of more than one sheet.

## BREDD

Width

*Bredd*

Definition: Width of the figure space.

Type/Values: NUMBER

Default: Implied

Usage: Defines the horizontal space of the figure, including possible white space to the right and left.

A project may define standardized figure sizes. However, to conform to the Grund-DTD the value here must be a number (An application DTD might use a name group of values, and then convert to number at delivery. Just ensure that the value in attribute "mattenhet" corresponds).

## HOJD

Height, depth

*Hojd*

Definition: Vertical height of figure space.

Type/Values: NUMBER

Default: Implied

Usage: Defines the vertical space of the figure, including figure title &lt;titel> and possible white space above and below.

A project may define standardized figure sizes. However, to conform to the Grund-DTD the value here must be a number (An application DTD might use a name group of values, and then convert to number at delivery. Just ensure that the value in attribute "mattenhet" corresponds).

## MATTENHET

Unit of measurement

*Måttenhhet*

Definition: Defines the unit of measurement for the width and height of the figure.

Type/Values: mm = unit is millimeter  
cm = unit is centimeter  
pica = unit is pica

Default: mm

Usage: Defines the unit of measurement for the attributes "bredd" (width) and "hojd" (height) of this element.

## SEKV.BLOCK

### Sequence block

*Sekvenskblock*

**Definition:** An association or grouping of procedural information with an internal relationship.

**Contains:** titel? , varn\* , obs\* , (steg | sekv.block)+ , (anm | bild | table)\*

**Contained in:** sekv.block, sekvens

**Usage:** Used to group information that is related to each other, and that is not already associated or grouped by the DTD structure itself.  
Example: Text associated with a warning;  
Text and figure, which must not be put on different pages at printing or must be displayed on the screen simultaneously.

**Attributes:**

%BLOCK.ATT	See Description of Parameter Entities
%ID.ATT	See Description of Parameter Entities

## SEKV.BLOCK.SUB

**Sub sequence block**

*Delsekvensblock*

<b>Definition:</b>	An association or grouping of procedural information with an internal relationship, within a sub-sequence element.
<b>Contains:</b>	titel? , varn* , obs* , (steg.sub   sekv.block.sub)+ , (anm   bild   table)*
<b>Contained in:</b>	sekv.block.sub, sekvens.sub
<b>Usage:</b>	Used to group information that is related to each other, and that is not already associated or grouped by the DTD structure itself. Example: Text associated with a warning; Text and figure, which must not be put on different pages at printing or must be displayed on the screen simultaneously.

**Attributes:**

%BLOCK.ATT	See Description of Parameter Entities
%ID.ATT	See Description of Parameter Entities

## SEKVEN

**Sequence**

*Sekvens*

<b>Definition:</b>	Comprises a step-by-step instruction for a task.
<b>Contains:</b>	titel? , varn* , obs* , (steg   sekv.block)+ , (anm   bild   table)*
<b>Contained in:</b>	foreskr.avsnitt, foreskr.block, moment, uh.atgard, uh.atgard.del
<b>Usage:</b>	A sequence (or rather the element <sekvens> can contain other sequences on a lower level <sekvens.sub>. Warning <varn> and caution <obs> concerning the entire sequence are entered as the first part of the sequence. Notes <anm>, tables <table>, and graphics <bild> that concern the entire sequence are entered as the last part of the sequence. If they concern only one or several but not all steps in a sequence, those steps are placed in a <sekv.block>. References to an entire list are made to this element.

**Attributes:**

%ID.ATT	See Description of Parameter Entities
---------	---------------------------------------

## SEKVEN.SUB

### Subsequence

#### *Delsekvens*

- Definition:** Comprices information about one step of a task that has to be divided into several substeps.
- Contains:** titel? , varn\* , obs\* , (steg.sub | sekv.block.sub)+ , (anm | bild | table)\*
- Contained in:** steg
- Usage:** A sequence item (or rather the element <steg>) can contain other sequences on a lower level <sekvens.sub>. Warning <varn> and caution <obs> concerning the entire sub-sequence are entered as the first part of the sub-sequence. Notes <anm>, tables <table>, and graphics <bild> that also concern the entire sub-sequence are entered as the last part of the sub-sequence. If they concern only one or several but not all steps in a sequence, those steps are placed in a <sekv.block.sub>. References to an entire sub-sequence are made to this element.

### Attributes:

%ID.ATT See Description of Parameter Entities

## SPANSPEC

### Span specification

#### *Ihopslagnig av celler*

- Definition:** Contains formatting information for a spanned column.
- Contains:** EMPTY
- Contained in:** tgroup
- Usage:** Used to aid cell straddling. Contain attributes to define defaults for border lines and text alignment.

### Attributes:

#### ALIGN

Text alignment

*Positionering av text*

**Definition:** Horizontal alignment of table entry content.

**Type/Values:** left = quad flush left  
right = quad flush right  
center = centered  
justify = both quad left and right  
char = align text to the leftmost occurrence of the value of the non-null attribute char value.

**Default:** Implied

**Usage:** This attribute controls horizontal alignment of text within the column or spanning columns. Applies to text that is #PCDATA or other in-line elements.



## CHAR

Alignment character

*Positionerande tecken*

Definition: Aligns text on a nominated character.

Type/Values: CDATA

Default: Implied

Usage: When the 'char' option is selected, further information is required. Both the character to be used for alignment, and the position of this character within the entry are needed. The significant character is specified in the Char attribute (typically, its value would be a full-point, '.', for alignment of decimal numbers in columns of figures).

## CHAROFF

horizontal offset

*Horisontell offset*

Definition: Horizontal offset of alignment character.

Type/Values: NUTOKEN

Default: Implied

Usage: Charoff attribute value must be a numeric token that represents a percentage offset from the left edge of the entry. A value of '25', for example, would place the left edge of the significant character a quarter of the width of the column from the left edge of the cell.

## COLSEP

Column separators

*Linjer för att separera kolumner*

Definition: Column separators (vertical ruling).

Type/Values: NUMBER

Default: Implied

Usage: Vertical border lines are defined using the Column separator attribute (Colsep). The attribute hold numeric values, where a value of '0' (zero) indicates no border line, and a value of '1' (one) represents the presence of a line. The default value is '1'.

## NAMEEND

Name of ending column

*Namn på slut-kolumn*

Definition: Name of ending column for a specific entry.

Type/Values: NMTOKEN

Default: Implied

Usage: The name of the last column in a spanning entry is placed in the Nameend attribute. The value must be some colname in a <colspec> of the current <tgroup>. The column must be to the right of the column identified by nameest.

## ROWSEP

Row separators

*Linjer för att separera rader*

**Definition:** Row separators (horizontal ruling).

**Type/Values:** NUMBER

**Default:** Implied

**Usage:** Horizontal border lines are defined using the Row separator attribute (Rowsep). The attribute hold numeric values, where a value of '0' (zero) indicates no border line, and a value of '1' (one) represents the presence of a line. The default value is '1'.

## SPANNAME

Span name

*Namn på kolumnintervall*

**Definition:** Span name for a range of columns

**Type/Values:** NMTOKEN

**Default:** Implied

**Usage:** Provides a name for a range of columns. The assigned name refers to a range identified by the Namest and Nameend attributes.

## SPECUPPG

### Special info

*Specialuppgifter*

**Definition:** Special, additional information about the detail/object.

**Contains:** (%tecken;)+

**Contained in:** detalj

**Usage:** Corresponds to the field "specuppg" in FREJ.

**Attributes:**

## SPECVERKTYG.LISTA

### Special tools list

*Lista med specialverktyg*

**Definition:** List of special tools and test equipment required for the procedure

**Contains:** infoga.nonsgml\* , mtrl.uppg+

**Contained in:** ref.mtrl

**Usage:** Lists all special tools and test equipment required for the procedure, together with an optional illustration.

**Attributes:**

%ID.ATT See Description of Parameter Entities

## STATUS

### Status of module

*Status för modul*

**Definition:** Planning, production and approval status of an information module or IPM

**Contains:** plandata? , godk.tekn.ih? , fastst.pres? , fastst.konfig? , upphavd?

**Contained in:** moduladmin

**Usage:** This element contains all status data concerning a module.

### Attributes:

#### REVDAT

Date of technical revision

*Revisionsdatum för teknisk status*

**Definition:** Identifies the deadline date for changes in technical status, i.e. the information module describes the materiel with the status it had at this date.

**Type/Values:** NUTOKEN

**Default:** Implied (Null)

**Usage:** Date is given in the form YYYY-MM-DD, with dashes inbetween groups.

#### UTGDAT

Date of Issue

*Utgåvedatum*

**Definition:** The official date of issue of the corresponding information module or information product module.

**Type/Values:** NUTOKEN

**Default:** Implied (Null)

**Usage:** Date is given in the form YYYY-MM-DD, with dashes inbetween groups.

## STDVERKTYG.LISTA

### Standard tools list

*Lista med standardverktyg*

**Definition:** List of standard tools required for the procedure

**Contains:** infoga.nonsgml\* , mtrl.uppg+

**Contained in:** ref.mtrl

**Usage:** Lists all standard tools required for the procedure, together with an optional illustration.

### Attributes:

%ID.ATT See Description of Parameter Entities

## STEG

### Step

*Steg*

**Definition:** Contains information about one step of a task to be performed on one object.

**Contains:** dirtext , (%dirprim;)\* , sekvens.sub?

**Contained in:** sekv.block, sekvens

**Usage:** Used to describe one step of a task to be performed on an object.  
This is the traditionally numbered step of a procedure. The number (if desired) must be automatically generated, and must not be part of this or another element. Reference to one step is made to this element.

### Attributes:

%ID.ATT See Description of Parameter Entities

## STEG.SUB

### Sub-step

*Delsteg*

**Definition:** Contains information about one substep of a task to be performed on an object.

**Contains:** dirtext , (%dirprim;)\*

**Contained in:** sekv.block.sub, sekvens.sub

**Usage:** Used to describe one substep of a task to be performed on an object.  
This is the traditionally numbered sub-step of a procedure. The number (if desired) must be automatically generated, and must not be part of this or another element.  
References to a sub-step are made to this element.

### Attributes:

%ID.ATT See Description of Parameter Entities

## SYSTEM

### System description

*Systembeskrivning*

**Definition:** Module start element for module "systembeskrivning", system description

**Contains:** titel , avsnitt+

**Contained in:** Fmvgrund

**Usage:** Describes the system (object) in general terms.

### Attributes:

%MODSTART.ATT See Description of Parameter Entities

## TABLE

### Table

#### *Tabell*

<b>Definition:</b>	Element containing all table-type information.
<b>Contains:</b>	title?, tgroup+
<b>Contained in:</b>	%infoprim, %dirprim, %vad, foreskr.avsnitt, foreskr.block, sekvens, sekv.block, sekvens.sub, sekv.block.sub, punkt, punkt.sub
<b>Usage:</b>	Used for any text that is tabulated, or ordered in matrix-form, e.g. formal and informal tables, definition lists, tabulated lists. 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.

### Attributes:

#### COLSEP

Column separators

*Linjer för att separera kolumner*

**Definition:** Column separators (vertical ruling).

**Type/Values:** NUMBER

**Default:** Implied

**Usage:** Vertical border lines are defined using the Column separator attribute (Colsep). The attribute hold numeric values, where a value of '0' (zero) indicates no border line, and a value of '1' (one) represents the presence of a line. The default value is '1'.

#### FRAME

Outer table ruling

*Tabell ram*

**Definition:** Describes the position of outer rulings.

**Type/Values:** sides = left and right  
top = below title  
bottom = after last row  
topbot = both top and bottom  
all = all of aboved  
none = none of above

**Default:** Implied

**Usage:** Used to surround the table with border lines. The default setting is 'all', indicating the presence of a box around the table.

## ID

Identity

*Identitet*

Definition: Reference identity of the element.

Type/Values: ID

Default: Required or implied depending on element.

Usage: Used to identify the element to enable referring by use of HyTime.  
Due to the large number of required ID attributes, software for creating information modules should have the possibility to automatically generate ID values.

## PGWIDE

Span full page width

*Omspanner hela sidan*

Definition: Make table span full page width

Type/Values: NUMBER

Default: Implied

Usage: Specifies whether the table spans only a single column in a multi-column page (using a value of '0') or spans the entire page or display width. A value of '0' (zero) indicates no spanning. A value of '1' allows spanning. When the table is displayed in landscape it has an implied value of '1' (span all columns), simply because it would not be necessary to display the table in landscape orientation if the extra width this provides were not required.

## ROWSEP

Row separators

*Linjer för att separera rader*

Definition: Row separators (horizontal ruling).

Type/Values: NUMBER

Default: Implied

Usage: Horizontal border lines are defined using the Row separator attribute (Rowsep). The attribute hold numeric values, where a value of '0' (zero) indicates no border line, and a value of '1' (one) represents the presence of a line. The default value is '1'.

## TBODY

**Table body**

*Tabellinnehåll*

**Definition:** Wrapper for the rows of a table. It contains simply one or more rows.

**Contains:** row+

**Contained in:** tgroup

**Usage:** Used to wrap the rows. It contains simply one or more rows, and contains the vertical alignment attribute.

**Attributes:**

## VALIGN

Vertical alignment

*Vertikal positionering*

**Definition:** Text vertical positioning within the <entry>s.

**Type/Values:** top  
middle  
bottom

**Default:** Implied

**Usage:** Used to positioning text vertical within the <entry>s. Provides default value for <row>s and <entry>s in <thead>.

## TECKEN.FOR.TECKEN

### Verbatim Text

*Radslutskänslig text*

**Definition:** Characters with significant RE/RS (CR/LF), and leading TAB or SPACE characters

**Contains:** #RCDATA

**Contained in:** entry

**Usage:** When the line endings in a cell is important, this element should be used. It is also used for "second line indents", where a new line starts with a TAB character or SPACE characters.

Normally line endings, tabs and spaces are reduced to a "white space" in SGML, but in this element they are all preserved and significant.

This element contains "Replaceable Character Data", i.e. normal text, character entities and entity references. No other markup is recognized, and the text is not validated against the character set in the SGML declarations.

### Attributes:

%ID.ATT See Description of Parameter Entities

## TEKNGRUNDDATA

### General technical data

*Tekniska grunddata*

**Definition:** Module start element for module "tekniska grunddata", general technical data concerning an object

**Contains:** titel , ((anm? , grunddata+) | grunddata.block)+

**Contained in:** Fmvgrund

**Usage:** Contains all general data for an object.

### Attributes:

%MODSTART.ATT See Description of Parameter Entities

## TEXT

### Text

*Text*

**Definition:** Identifies text in an information module

**Contains:** (%tecken; | betoning | formel | hanvisning)+

**Contained in:** kompl.info, foreskr.avsnitt, foreskr.block, %infoprim, punkt, punkt.sub, entry

**Usage:** Data inside a <text> element is often considered to be one separate text paragraph. Generally speaking, a text element is supposed to contain only one idea, one message.

### Attributes:

%ID.ATT See Description of Parameter Entities

## TGROUP

### Table group element

*Tabell grupp*

**Definition:** Define the number of columns in the grid, using the Cols attribute

**Contains:** colspec\* , spanspec\* , thead? , tbody

**Contained in:** table

**Usage:** Used to specifies the number of columns in the grid. One Table element may contain several table groups to allow a change of column widths and number of columns. However, some applications limit use to a single table group

### Attributes:

#### ALIGN

Text alignment

*Positionering av text*

**Definition:** Horizontal alignment of table entry content.

**Type/Values:** left = quad flush left  
right = quad flush right  
center = centered  
justify = both quad left and right  
char = align text to the leftmost occurrence of the value of the non-null attribute char value.

**Default:** Implied

**Usage:** This attribute controls horizontal alignment of text within the column or spanning columns. Applies to text that is #PCDATA or other in-line elements.



## COLSEP

Column separators

*Linjer för att separera kolumner*

**Definition:** Column separators (vertical ruling).

**Type/Values:** NUMBER

**Default:** Implied

**Usage:** Vertical border lines are defined using the Column separator attribute (Colsep). The attribute hold numeric values, where a value of '0' (zero) indicates no border line, and a value of '1' (one) represents the presence of a line. The default value is '1'.

## ROWSEP

Row separators

*Linjer för att separera rader*

**Definition:** Row separators (horizontal ruling).

**Type/Values:** NUMBER

**Default:** Implied

**Usage:** Horizontal border lines are defined using the Row separator attribute (Rowsep). The attribute hold numeric values, where a value of '0' (zero) indicates no border line, and a value of '1' (one) represents the presence of a line. The default value is '1'.

## TGROUPSTYLE

Table layout

*Tabell layout*

**Definition:** Interpreted to apply style information.

**Type/Values:** NMTOKEN

**Default:** Implied

**Usage:** Used to provide a "hook" to apply style information for either the table as a whole or a specific <tgroup>.

## THEAD

### Table head

*Tabellhuvud*

**Definition:** Contains one or more table row elements, for column headers.

**Contains:** row+

**Contained in:** tgroup

**Usage:** By use of this element it is possible to create one or more table row elements, for column headers. When the table is printed, the header rows may repeat after each page-break, and the enclosed text may also be highlighted

**Attributes:**

### VALIGN

Vertical alignment

*Vertikal positionering*

**Definition:** Text vertical positioning within the <entry>s.

---

Type/Values:	top middle bottom
Default:	Implied
Usage:	Used to positioning text vertical within the <entry>s. Provides default value for <row>s and <entry>s in <thead>.

## TILLBEHOR

### Accessories

*Tillbehör*

<b>Definition:</b>	Module start element for module "tillbehör", accessories
<b>Contains:</b>	titel , infoga.nonsxml* , detalj.uppg+
<b>Contained in:</b>	Fmvgrund
<b>Usage:</b>	Used for data regarding accessories for an object, function or task, or just associated or grouped accessories.

### Attributes:

%MODSTART.ATT	See Description of Parameter Entities
---------------	---------------------------------------

## TILLVDATA

### Manufacturing data

*Tillverkningsdata*

<b>Definition:</b>	Contains production data on one object.
<b>Contains:</b>	datavarde+
<b>Contained in:</b>	uhdata
<b>Usage:</b>	To be applied for specification of figures including tolerances on measures, allowances etc. to be implemented at manufacturing.

### Attributes:

## TITEL

### Title

*Titel; Rubrik*

**Definition:** Contains the text of a module heading or section heading at any level.

**Contains:** (%tecken;)+

**Contained in:** system, konstr.funkt, konstruktion, funktion, foreskrift, foreskr.block, handhavande, drift.atgard, felsokning, felsokn.del, felavhjalpning, felavhj.atgard, period.uh, peruh.atgard, peruh.del, uh.atgard, uh.atgard.del, kontroll, kontroll.atgard, kontroll.del, oversyn, oversyn.atgard, oversyn.del, renovering, renov.atgard, gen.anvisn, uppst, table, sekv.block.sub, inledning, forb.atgard, avslutning, aterst.atgard, beskr.block, moment.block, sekvens, sekv.block, sekvens.sub, reservdelar, tillbehor, schema, admindata, infoprodmodul, modifiering, mod.atgard, forradsstallning, forrads.atgard, forradsst.del, tekngrunddata, grunddata.block, underhallsdata, uhdata.block

**Usage:** Numbering of headings, if required, and other specific formattings are supposed to be automatically generated by the application system. Do not enter the numbering in this element.

**Attributes:**

## TITLE

### Title

*Titel; Rubrik*

**Definition:** Contains the text of the table heading.

**Contains:** %tecken;

**Contained in:** table

**Usage:** Numbering of headings, if required, and other specific formattings are supposed to be automatically generated by the application system. Do not enter the numbering in this element.

**Attributes:**

## TROLIGORSAK

### Probable cause

*Trolig orsak*

**Definition:** Identifies one probable cause for the previously stated symptom.

**Contains:** dirtext

**Contained in:** feltest, felfunktion

**Usage:** This element gives a probable cause for the mal function, and is followed by one or several appropriate corrective actions.

**Attributes:**

%ID.ATT See Description of Parameter Entities

## UH.ATGARD

### Maintenance task

*Underhållsåtgärd*

- Definition:** Module start element for module "underhållsåtgärd", maintenance task
- Contains:** titel , fore? , varn\* , obs\* , bild\* , (sekvens | uh.atgard.del)+ , efter?
- Contained in:** Fmvgrund
- Usage:** Comprises information about one maintenance task of an object. The task should be documented as a complete package of information, with specific pre- and post-conditions.  
A maintenance task can be performed, e.g. at repair, replacement, renovation, preventive maintenance etc.

### Attributes:

%MODSTART.ATT      See Description of Parameter Entities

### UHATGARD.TYP

Type of maintenance task

*Typ av underhållsåtgärd*

**Definition:** Identifies type of maintenance task to be performed.

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Required

**Usage:** The values of this attribute must be defined by each project.  
See further Parameter Entity "uhatgard.typ.varden" in chapter 8.

## UH.ATGARD.DEL

### Sub-task

*Delatgard*

- Definition:** A logical part of a maintenance task
- Contains:** titel , fore? , sekvens , efter?
- Contained in:** uh.atgard
- Usage:** A part of a maintenance task, that is not mapped to a specific object, but still is valid as a separate part in the documentation. The task should be documented as a complete package of information, with specific pre- and post-conditions.

### Attributes:

%ID.ATT      See Description of Parameter Entities

## UHDATA

### Maintenance data

*Underhållsdata, underhållsuppgift*

- Definition:** Comprises specific, accurate information necessary for maintenance of an object
- Contains:** datanamn , ((tillvdata , renovdata? , repdata?) | uhdata+ ) , anm?
- Contained in:** uhdata, uhdata.block, underhallsdata
- Usage:** Contains one single data for maintenance purposes about an object. <uhdata> consists of name, <datanamn>, followed by values for manufacturing, renovation and overhaul, or subdivided into more detail by recursive use of <uhdata>. Use of more than one sub-level is discouraged, and often prohibited in projects.

### Attributes:

%ID.ATT See Description of Parameter Entities

## UHDATA.BLOCK

### Block of Maintenance data

*Block med underhållsdata*

- Definition:** An association or grouping of maintenance data.
- Contains:** titel? , ((anm? , uhdata+ , bild\*) | uhdata.block)+
- Contained in:** uhdata.block, underhallsdata
- Usage:** Used to group maintenance data that is related to each other. Typically used for subdivision of data, where subheadings introduces each new division (the subheading itself may be the blocktitle attribute).

### Attributes:

%ID.ATT See Description of Parameter Entities

## UNDERHALLSDATA

### Common Maintenance data

*Underhållsdata*

- Definition:** Module start element for module "underhållsdata", maintenance data
- Contains:** titel , ((anm? , uhdata+ ) | uhdata.block)+
- Contained in:** Fmvgrund
- Usage:** Common maintenance data for one object.

### Attributes:

%MODSTART.ATT See Description of Parameter Entities

## UPPHAVD

### Revocation

*Upphävande*

**Definition:** Information regarding revocation of information module or IPM

**Contains:** EMPTY

**Contained in:** status

**Usage:** Responsibility of FMV. Filled out at time of revocation.

### Attributes:

#### UPH.DAT

Date of revocation

*Upphävandedatum*

**Definition:** Date of revocation of information module or infoproduct module

**Type/Values:** NUTOKEN

**Default:** Required

**Usage:** Date is given in the form YYYY-MM-DD, with dashes inbetween groups.

#### UPH.NAMN

Name of person responsible for revocation

*Upphävares namn*

**Definition:** Name of person responsible for revocation.

**Type/Values:** CDATA

**Default:** Required

**Usage:** Given name followed by family name.

#### UPH.ORG

Organisational designation of person responsible for revocation.

*Upphävares organisatoriska hemvist*

**Definition:** Organisational designation of person responsible for revocation.

**Type/Values:** CDATA

**Default:** Required

**Usage:** Name of organisational unit. Example:  
uph-org="FMV:FuhF1"

## UPPST

### Descriptive List

*Punktuppställning; Streckuppsställning*

- Definition:** A listing, where the order between the items are of no importance.
- Contains:** titel? , punkt+
- Contained in:** foreskr.avsnitt, foreskr.block, gen.anvisn, moment, %infoprim
- Usage:** Unordered lists (or rather the element <punkt> can contain other unordered lists on a lower level <uppst.sub>.  
Notes <anm>, tables <table>, and graphics <bild> that concerns the entire lists are placed before or after the entire list, in a block together with the list, i.e. not inside this element. If they concern only one list item, they are entered in the list item <punkt>.  
References to an entire list are made to this element.

### Attributes:

%ID.ATT See Description of Parameter Entities

### KOMPAKT

Compact list

*Kompakt uppställning*

**Definition:** Indicates if compact presentation is desired.

**Type/Values:** kompakt = Compact list  
gles = No compact list, use space between list items (<punkt> or <punkt.sub>)

**Default:** Default values differ depending on element.  
Default value for this element: "gles"

**Usage:** Value "kompakt" is usually used for short lists, where each list item occupies one line.

## UPPST.SUB

### Sub-list

*Deluppställning*

**Definition:** Identifies a unordered listing subordinated to a list item.

**Contains:** punkt.sub+

**Contained in:** punkt

**Usage:** Unordered list subordinated to list item <punkt>.  
Notes <anm>, figures <bild> and tables <table> that concerns the entire sub-list are entered as part of the containing <punkt> element, preferably before this element. If they concern only one sub-list item, they are to be entered in the sub-list item <punkt.sub>.  
References to an entire sub-list is made to this element.

### Attributes:

%ID.ATT See Description of Parameter Entities

## KOMPAKT

Compact list

*Kompakt uppställning*

**Definition:** Indicates if compact presentation is desired.

**Type/Values:** kompakt = Compact list  
gles = No compact list, use space between list items (&lt;punkt> or &lt;punkt.sub>)

**Default:** Default values differ depending on element.  
Default value for this element: "kompakt"

**Usage:** Value "kompakt" is usually used for short lists, where each list item occupies one line.

## VARN

### Warning

*Varning*

**Definition:** Points out the risk of human injuries.

**Contains:** varn.text+

**Contained in:** felavhjalpning, forradsstallning, handhavande, kontroll, modifiering, oversyn, %vad, period.uh, renovering, sekv.block, sekv.block.sub, sekvens, sekvens.sub, uh.atgard, lamplfelavhj

**Usage:** Used risk for human injuries exists.  
The "heading" of the warning (usually the wording "VARNING!") is supposed to be automatically generated by the system, as are other formattings. Do not enter the heading in this element.

### Attributes:

%ID.ATT See Description of Parameter Entities

## VARNTYP

Type of warning information

*Typ av varningsinformation*

**Definition:** Defines the type of warning information

**Type/Values:** Project defineable attribute.  
Defined as CDATA as default in FMV Grund-DTD.

**Default:** Project defineable default value.  
Defined as #IMPLIED as default in FMV Grund-DTD.

**Usage:** The values of this attribute must be defined by each project.  
See further Parameter Entity "varntyp.varden" in chapter 8.  
Both the possible values and the default value (or keyword implied/required) are defined in the same parameter entity.



## VARN.TEXT

### Warning text

*Text i varning*

**Definition:** Text paragraph of a warning.

**Contains:** (%tecken; | hanvisning)+

**Contained in:** varn

**Usage:** Used to produce a paragraph of text inside a <varn>.

**Attributes:**

## VERIFIERING

## Verification

## Verifikation

**Definition:** General unit containing information on testing that expected result has been obtained.

**Contains:** `dirtext+`

**Contained in:** moment

**Usage:** Contains instructions for the verification of an action <moment>. If the verification is described elsewhere, the information should be referenced through <hanvisning>.

**Attributes:**

%ID.ATT	See Description of Parameter Entities
---------	---------------------------------------