

Appendix B

Link example

The test files have been provided in order to increase the understanding of the HyTime links employed in FMV Grund-DTD. The information have been invented for this purpose, and the test files are very much simplified compared to information modules containing real information. They will however fulfil the purpose of being test files, and the coding and links are real.

This appendix is not directive for the use of FMV Grund-DTD, just informative.

Contents

Description of the example files.....	1
The linking module structure.....	2
Example files	3

Description of the example files

The test files have been created from imagination with the sole purpose of illustrating the different types of links in FMV Grund-DTD.

The following test files exists:

Module	Content	Object described	Comment
ADM.SGM	administrative data	Personal computer	For all modules
SYST1.SGM	system description	Personal computer	Link module where all the addresses are gathered.
HANDH.SGM	operation description	Personal computer	Target group: Users
TEKND.SGM	technical data	Personal computer	Target group: Technicians

Links to an object are in version 2.0 moved from the module LANKAR to the SGML-instance. All the addresses are gathered under the HYTIME.ADRESSER element.

The ADMINDATA module (ADM.LANK) is changed to a contextual link (clink) and is also moved from the module LANKAR to the instance.

All the described links start from the module SYST1.SGM, which in this example contains the HYTIME.ADRESSER element. The tree descriptive modules will contain a contextual link (ADM.LANK), which links each module to the associated administrative data.

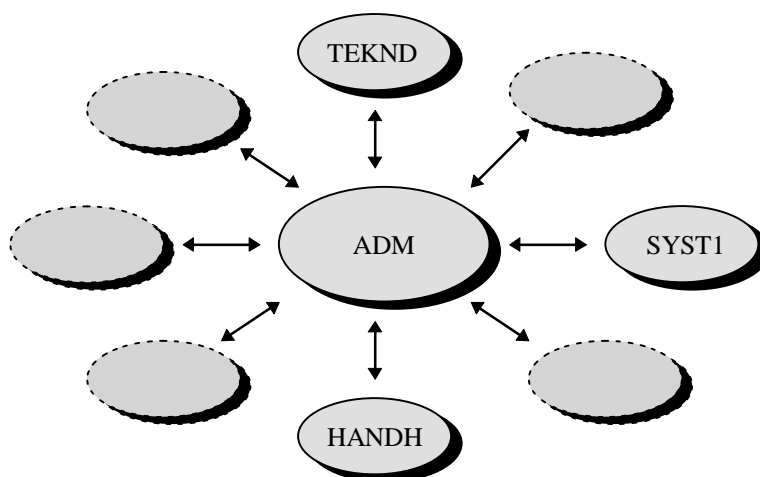


Figure B1. Connection between modules and their administrative data

The linking procedure structure

The described physical file below is an example of how the linking elements are included in the SGML-instance. The address elements are moved into the instance and are gathered under the `HYTIME.ADRESSER` element. The `HANVISNING` element is a contextual link and refer to a address element.

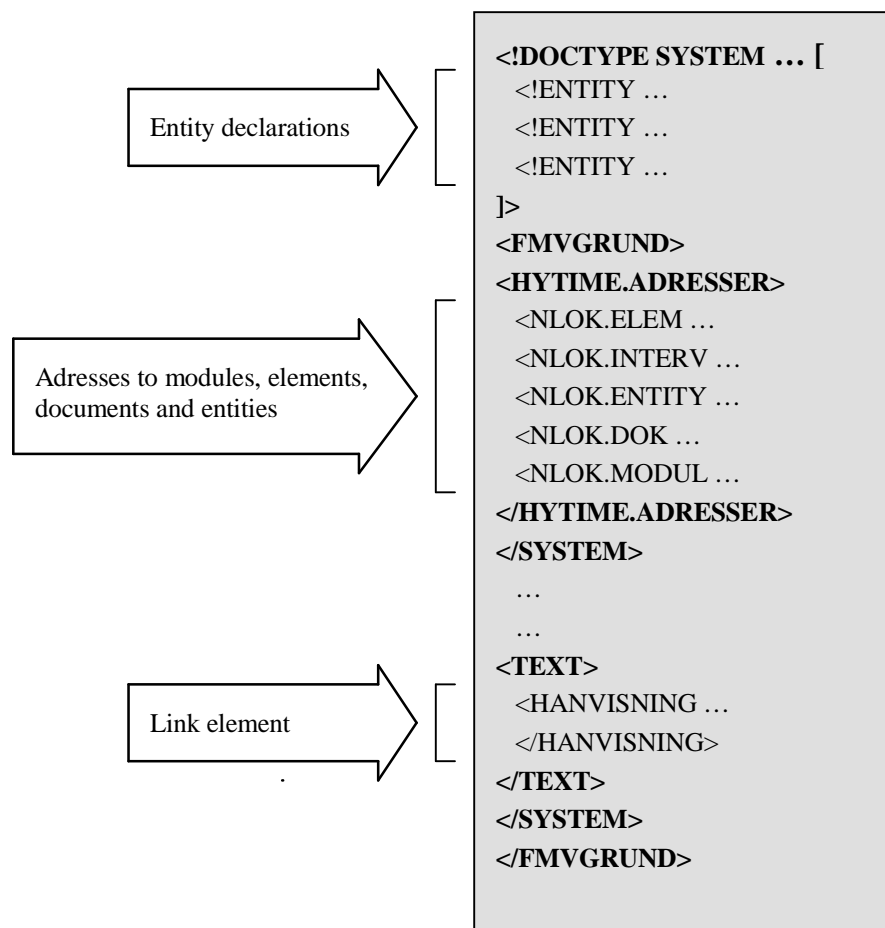


Figure B2. The linking procedure structure

Example files

All example files have been included here without the SGML declaration in front. They all adhere to the same SGML declaration, and the HyTime option "ANYDTD" has not been used for FMV Grund-DTD.

ADM.SGM

```
<!DOCTYPE FMVGRUND PUBLIC "-//SWE-FMV//DTD FMV GRUND-DTD ver 2.0//EN" [  
  
<!--ENTITY DECLARATIONS -->  
  
<!ENTITY teknd SYSTEM "teknd.sgm" ndata SGML>  
<!ENTITY handh SYSTEM "handh.sgm" ndata SGML>  
<!ENTITY syst1 SYSTEM "syst1.sgm" ndata SGML>  
>  
<fmvgrund id="adm.1">  
  
<!-- HYTIME.ADRESSER ELEMENT -->  
  
<hytime.adresser>  
<nlok.modul id="link1"><lok.entity nametype="entity" docorsub="syst1">syst1  
</lok.entity>  
</nlok.modul>  
  
<nlok.modul id="link2"><lok.entity nametype="entity" docorsub="handh">handh  
</lok.entity>  
</nlok.modul>  
  
<nlok.modul id="link3"><lok.entity nametype="entity"  
docorsub="teknd">teknd</lok.entity>  
</nlok.modul>  
</hytime.adresser>  
  
<admindata modulid="adm.2">  
  
<moduladmin id="adm.3"><modul.lank linkend="link1">  
<status utgdat="1997-09-30" revdat="1997-09-01"></status>  
</moduladmin>  
  
<moduladmin  
id="adm.4"><modul.lank linkend="link2"><status utgdat="1997-09-30" revdat="1997-  
09-01"></status>  
</moduladmin>  
  
<moduladmin id="adm.5"><modul.lank linkend="link3">  
<status utgdat="1997-09-30" revdat="1997-09-01"></status>  
</moduladmin>  
</admindata>  
</fmvgrund>
```

SYST1.SGM

```
<!DOCTYPE FMVGRUND PUBLIC "-//SWE-FMV//DTD FMV GRUND-DTD ver 2.0//EN" [

<!-- ENTITY DECLARATIONS -->

<!ENTITY teknd SYSTEM "teknd.sgm" ndata SGML>
<!ENTITY handh SYSTEM "handh.sgm" ndata SGML>
<!ENTITY adm SYSTEM "adm.sgm" ndata SGML>
]>
<fmvgrund id="syst1.1">

<!-- HYTIME.ADRESSER ELEMENT -->

<hytime.adresser>
<nlok.dok id="link1"><lok.entity nametype="entity" docorsub="teknd">teknd
</lok.entity>
</nlok.dok>

<nlok.elem id="link2"><lok.lokalid nametype="element" docorsub="handh">handh.5
</lok.lokalid>
</nlok.elem>

<nlok.entity id="link3"><lok.entity nametype="entity" docorsub="teknd">teknd
</lok.entity>
</nlok.entity>

<nlok.interv id="link4"><lok.interv nametype="element" docorsub="handh">
handh.5 handh.13</lok.interv>
</nlok.interv>

<nlok.modul id="link5"><lok.entity nametype="entity" docorsub="teknd">teknd
</lok.entity>
</nlok.modul>

<nlok.elem id="admlank1"><lok.lokalid nametype="element" docorsub="adm">adm.3
</lok.lokalid>
</nlok.elem>
</hytime.adresser>

<!-- LINK TO THE ADMINDATA MOUDLE -->

<adm.lank linkend="admlank1"><objekt id="adm.2" kontekst="Computer" doman="LSAR"
iduppyggnad="LCN" objekt.id="adml" objekt.namn="Admdata">

<system modulid="syst1.2">
<titel>Power Macintosh 7100/80: Description</titel>

<avsnitt id="syst1.3">
<titel>Overview</titel>

<text id="syst1.4">The Power Macintosh 7100/80 and Power Macintosh 7100/80AV
are the expandable, mainstream members of the high-performance line of Macintosh
computers that use PowerPC chip technology.
</text>

<text id="syst1.5">These computers run virtually all existing Macintosh
applications. In addition, they run the hundreds of applications accelerated for
Power Macintosh computers at two to six times the speed of previous Macintosh
computers.
</text>

<text id="syst1.6">Reference documents</text>
```

```
<!-- A LIST CONTAINING THE LINK ELEMENT HANVISNING -->

<uppst id="syst1.7">
<punkt id="syst1.8"><text id="syst1.9"><hanvisning linkend="link1">Link to
a document</hanvisning></text>
</punkt>

<punkt id="syst1.10"><text id="syst1.11"><hanvisning linkend="link2">Link
to an element</hanvisning></text>
</punkt>

<punkt id="syst1.12"><text id="syst1.13"><hanvisning linkend="link3">Link
to an entity</hanvisning></text>
</punkt>

<punkt id="syst1.14"><text id="syst1.15"><hanvisning linkend="link4">Link
to an interval</hanvisning></text>
</punkt>

<punkt id="syst1.16"><text id="syst1.17"><hanvisning linkend="link5">Link
to a module</hanvisning></text>
</punkt>
</uppst>
</avsnitt>
</system>
</fmvgrund>
```

HANDH.SGM

```
<!DOCTYPE FMVGRUND PUBLIC "-//SWE-FMV//DTD FMV GRUND-DTD ver 2.0//EN" [  
  
  <!-- ENTITY DECLARATIONS -->  
  
  <!ENTITY adm SYSTEM "adm.sgm" ndata SGML>  
  ]>  
  <fmvgrund id="handh.1">  
  
    <!-- HYTIME.ADRESSER ELEMENT -->  
  
    <hytime.adresser>  
      <nlok.elem id="admlank1"><lok.lokalid nametype="element" docorsub="adm">adm.4  
        </lok.lokalid>  
      </nlok.elem>  
    </hytime.adresser>  
  
    <!-- LINK TO THE ADMINDATA MOUDLE -->  
  
    <adm.lank linkend="admlank1"><objekt id="adm.2" kontext="Computer" doman="LSAR"  
      iduppbbyggnad="LCN" objekt.id="adml" objekt.namn="Admdata">  
  
      <handhavande modulid="handh.3">  
        <titel>Operation</titel>  
        <drift.atgard id="handh.4">  
          <titel>Installing the computer</titel>  
  
          <moment id="handh.5">  
            <dirtext id="handh.6">Connect the keyboard and mouse.</dirtext>  
          </moment>  
  
          <moment id="handh.7">  
            <dirtext id="handh.8">Connect the monitor.</dirtext>  
          </moment>  
  
          <moment id="handh.9">  
            <dirtext id="handh.10">Connect a printer.</dirtext>  
          </moment>  
  
          <moment id="handh.11">  
            <dirtext id="handh.12">Connect a LAN-cable.</dirtext>  
          </moment>  
  
          <moment id="handh.13">  
            <dirtext id="handh.14">Start the computer.</dirtext>  
          </moment>  
        </drift.atgard>  
      </handhavande>  
    </fmvgrund>
```

TEKND.SGM

```
<!DOCTYPE FMVGRUND PUBLIC "-//SWE-FMV//DTD FMV GRUND-DTD ver 2.0//EN" [

<!-- ENTITY DECLARATIONS -->

<!ENTITY adm SYSTEM "adm.sgm" ndata SGML>
]>
<fmvgrund id="teknd.1">

<!-- HYTIME.ADRESSER ELEMENT -->

<hytime.adresser>
<nlok.elem id="admlank1"><lok.lokalid nametype="element" docorsub="adm">adm.5
</lok.lokalid>
</nlok.elem>
</hytime.adresser>

<!-- LINK TO THE ADMINDATA MOUDLE -->

<adm.lank linkend="admlank1"><objekt id="adm.2" kontext="Computer" doman="LSAR"
iduppbbyggnad="LCN" objekt.id="adml" objekt.namn="Admdata">

<tekngrunddata modulid="teknd.2">
<titel>TECHNICAL DATA</titel>

<grunddata id="teknd.3" datatyp="fys">
<datanamn>Microprocessor</datanamn>
<datavarde id="teknd.4">
<databeskr>486SX-33</databeskr>
</datavarde>
</grunddata>

<grunddata id="teknd.5" datatyp="fys">
<datanamn>Memory</datanamn>
<datavarde id="teknd.6">
<databeskr>Up to 64 Mb RAM</databeskr>
</datavarde>
</grunddata>

<grunddata id="teknd.7" datatyp="fys">
<datanamn>Monitor</datanamn>
<datavarde id="teknd.8">
<databeskr>Ultra VGA with 1 Mb memory, can be increased to 2 Mb</databeskr>
</datavarde>
</grunddata>

<grunddata id="teknd.9" datatyp="fys">
<datanamn>Maximum effect</datanamn>
<datavarde id="teknd.10">
<databeskr>75 W continuing</databeskr>
</datavarde>
</grunddata>
</tekngrunddata>
</fmvgrund>
```