

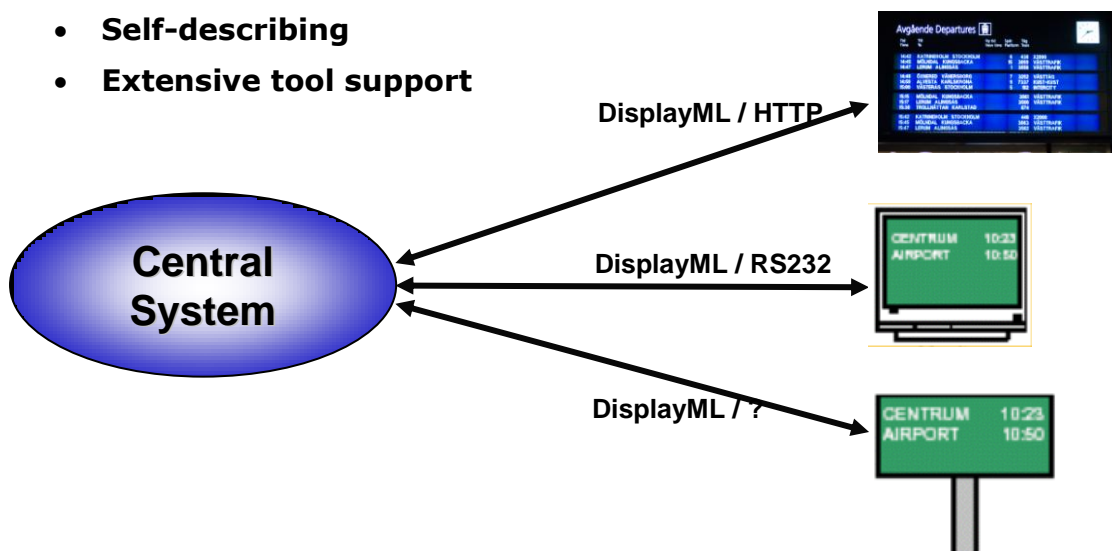


# DisplayML

The interface between systems and signs has historically required encoded character strings, which whilst functional can lead to complexity in creation and debugging.

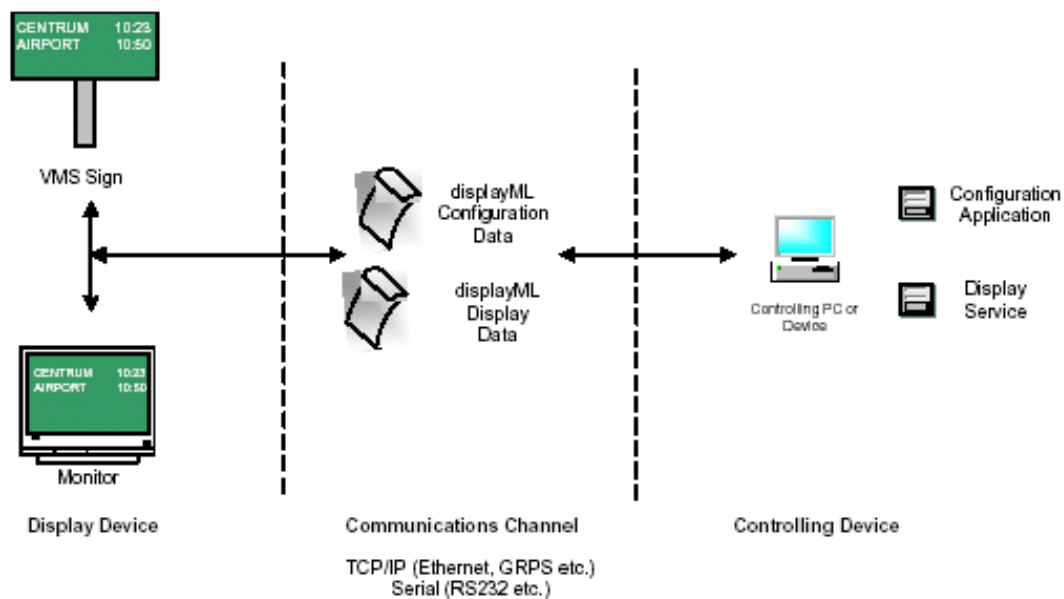
Swarco Mizar has developed a standard protocol based on XML for encoding display information for display devices called DisplayML. This provides a number of distinct advantages over alternative methods;

- Human readable format
- Open; XML may be used to exchange data with other users and applications in a platform-independent way
- Easy to validate using XML Schemas
- Easily extensible
- Self-describing
- Extensive tool support



Swarco Mizar has also developed a number of tools, applications and components for supporting the use of DisplayML. There are mainly two applications:

- DisplayML Layout Designer (DLD), a WYSIWYG1 application for building and modifying layouts in an extremely flexible way for any DisplayML-compatible device.
- DisplayML File Distributor (DFD), a tool for sending files to any DisplayML-compatible device. These files can be software upgrades, images, fonts etc. However, usually there is no need for distributing images and fonts, since that is done automatically by Linaria TT.



## Information transferred via DisplayML

- Configuration messages
  - Templates outlining the layout of a display
  - Font files
  - Image files
  - Upgraded software
- Display messages
  - Data to display (text, images etc.)
  - Where and when?
- Communication related messages
  - Status messages for maintaining the connection

Specifications and more details on DisplayML can be found at [www.displayml.org](http://www.displayml.org).

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