IBM BookMaster
Release 4.0
Program Number 5688-015

BookMaster is a document creation application that runs under control of the Document Composition Facility (DCF) and is designed for high-volume in-house publishing applications. The rich vocabulary of BookMaster, which is a superset of the DCF GML starter set, provides the tools to create complex document formats.
It provides a strong base upon which customers can build their own unique publishing applications.

The document version control facility (DVCF) of BookMaster provides powerful conditional processing capability that supports the production of different versions of documents from common source information. This capability can save time and money for document development, maintenance, and review, and ensure the continuity of common source information across multiple documents. The configuration profile capability of DVCF allows the user to create different versions of documents by specifying conditions at run time.

With DVCF, the user can define:

- Insertion, deletion, or replacement of text
- Conditions that are simple or complex
- Run-time conditions
- The modification of text (the insertion or replacement) either inline in the base file or from an imbedded file
- A review draft that shows all the potential text and identifies the conditions under which it will be inserted, deleted, or replaced.

The named style facility for book designers provides over 700 modifiable style parameters to define the design of a document. Examples of the modifiable parameters include page layout in columns, heading fonts and spacing, paragraph and list treatment, and font usage in general. When this facility is used, a single source file can be formatted in many different styles without having to change the source file.

BookMaster provides an extensive symbol vocabulary. Symbols are defined for date, tab character, period, ampersand, GML delimiter, and non-keyable characters, including international character sets.

BookMaster supports formatting in 25 languages. Language support includes text and messages generated in the appropriate languages.

Run-time facilities include overrides for selected formatting parameters, DVCF condition setting, artwork inclusion options, annotation inclusion options, and the extended cross-reference facility.

BookMaster provides its own monospaced font for character graphics, illustration of display screens, and examples.

BookMaster also provides language for the creation of explicit, author-defined information links for use in IBM BookManager online document databases. Many of the BookMaster tags result in implicit information links, so that it is not necessary to add explicit links to exploit many of the BookManager linking capabilities.

BookMaster enables you to include the following items in documents:

- Artwork and conditional alternatives to artwork
- SCRIPT Mathematical Formula Formatter (a feature of DCF) markup
- Document prolog for complex document management
- Grids for precise management of page layout with text and graphics
- Question and answer tags for tutorial materials
- Tables and directories
- Revision indicators (for example, change bars and point pages) and line numbering
- Schedule charts
- Parts catalog lists
- Maintenance analysis procedure tags for decision-making charts
- Display screens and interactive dialogs
- Programming language element reference sections
- Programming syntax diagrams
- Cover letters
- Lists, definition lists, glossaries, parameter lists
- Messages and code
- Separation masters

BookMaster also provides a high-level platform for the development of custom GML applications.

Specified Operating Environment

Machine Requirements

In addition to a processor supported by DCF in the VM/CMS or MVS/TSO environment, BookMaster requires online disk storage.

The minimum amount of virtual storage required depends on the size of the source files to be processed. BookMaster can operate in as little as two megabytes of virtual storage, but the typical amount required is four megabytes.

File storage required for the components of BookMaster is 100 cylinders of 3380 DASD or the equivalent. Additional storage is necessary for users' source files.

Programming Requirements

BookMaster requires DCF Release 4.0
(5748-XX9) installed under one of the following:

- VM/SP Release 5.0 with HPO
- VM/SP Release 6.0
- VM/XA SP Release 2.1
- VM/ESA Release 1.0 (370 feature and ESA feature)
- VM/ESA Release 1.1
- VM/ESA Release 2.0
- TSO in MVS/XA SP Version 2.2
- TSO in MVS/ESA Version 3.1
- TSO in MVS/ESA Version 4.1

If the BookMaster formula tags are used, the SCRIPT Mathematical Formula Formatter, a feature of DCF, is required.

BookMaster requires DCF 4.0 with the Double-Byte Feature to support the following double-byte languages:

- Japanese
- Korean
- Simplified Chinese
- Traditional Chinese

Compatibility

BookMaster accepts documents marked up with the starter set of GML tags as defined by the Document Composition Facility (DCF) Release 4.0, with one difference: DCF GML starter set ID attributes are subject to uppercase and lowercase differences, while BookMaster ID attributes are not. When using the starter set of GML to mark up your document, there are a few restrictions you'll need to be aware of.

The formatted results are not the same, because BookMaster formatting styles differ from those of the DCF GML starter set.

Because the underlying implementations of BookMaster and the starter set are different, combinations of tags and control words that give acceptable results with the starter set may not give satisfactory results with BookMaster.

Modifications and extensions to the DCF GML starter set must be rewritten to apply them to BookMaster.

Because BookMaster is not optimized for the DCF GML starter set, formatting of starter set documents with BookMaster is slower than the DCF GML starter set implementation itself.

Only the following DCF control words can be used in BookMaster documents for which IBM Program Services are requested: .BR (break); .CC (conditional column eject); .CP (conditional page eject); .DU (dictionary update); .HW (hyphenate word); and .* (comment). The .IM (imbed) control word is replaced with a BookMaster macro that has the same name.

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