

TO: MSPM Distribution
FROM: D. R. Widrig
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This revision reflects the addition of a new call, "request\$lists", to the GIM. The new call is discussed in the section entitled "List Reconstruction".

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Identification

Summary of the Internal Structure of the GIM
D. R. Widrig and S. D. Dunten

Purpose

Sections BF.20.09 - BF.20.13 comprise a detailed description of the internal structure of the GIOC Interface Module. This section is a summary, by section, of their contents. Topics of direct interest to a Device Interface Module (DIM) writer are marked with an asterisk (*).

BF.20.09 Basic Concepts

- Purpose and Introduction
- List Structures
- Lists and the Class Driving Tables
- Hard-Core I/O System Data Bases
- GIOC channel Activity

BF.20.10 Setup and Housekeeping

- * Initial Device Setup
- * Selecting a Class Driving Table
- * Defining a List
- * Releasing a List

BF.20.11 List Editing and Activation

- * Editing a List
 - Editing GIM List Items
 - Patching Live Lists
 - Generation of DCW's
 - Generation of Transfer DCW's
- * List or Channel Activation
 - Copying Data Into a User's Data Area

BF.20.12 Interrupt Handling and Status Requests

- Interrupt Handling
- * Inquiring as to Device Status
 - Moving of Hardware Status Words
 - Status Word Translation
- * List reconstruction

BF.20.13 Miscellaneous

- General List Utilities
- Setting on LPW Mailbox
- Relating an LPW to a List