TO: MSPM Distribution
FROM: D. R. Widrig
SUBJECT: BF.20.02
DATE: 12/1/67

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".
Identification

Summary of the Internal Structure of the GIM
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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