MSPM Distribution TO:

FROM:

D. R. Widrig BF.20.02 12/1/67 SUBJECT: DATE:

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".

Published: 12/01/67 (Supersedes: BF.20.02, 07/19/67)

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