Identification

Segment Registry
M. A. Padlipsky, R. M. Graham

Purpose

The Segment Registry has many uses: it helps to avoid naming conflicts; it serves as an inventory of the Multics system; and, in general, furnishes a great deal of information to those managing the project - as well as to the programmers responsible for the registered segments. (In the initial phases of checkout, no two segments known to the same process may have the same name. Later phases of checkout will introduce machinery which will relax this restriction; however, even then it will be desirable that duplication of names be avoided, in order to avoid confusion.)

Note

The statement in BA.3.00 that "every system programmer is responsible for the accuracy and up-to-dateness of the entire manual" is particularly relevant here. The data are known to be in need of cleansing; any inaccuracies in the registry spotted by any system programmer should be reported to M. A. Padlipsky.

Format

The Registry, which appears as an appendix to this document as it will be re-issued periodically, furnishes the following information (with heading abbreviations as indicated): segment name, author/maintainer's initials (AUT), segment type (T), area of use (AREA), ring number (RN), MSPM section (MSPM), MSPM status (MS), development status (DS), estimated or actual number of source code pages - without include files (NP), source language (LANG), phase needed for (PH), Multics Segment Library status (LIB), total number of source code pages (TP), and number of source code pages without declarations (SP).
Abbreviations under the headings are as follows:

**AUT:** See below.

**I:**
- D = data, P = procedure

**AREA:**
- 636 = 6.36, ADM = administrative, BKP = backup and multilevel system, COM = command system, LAN = languages (mainly EPL run-time routines), FS = File System, GEN = general supervisor, IO = I/O system, LIB = library, ACC = access control, OTH = other, IPC = interprocess communication, SMM = Segment Management Module, TC = Traffic Controller, USC = User/System Control, INI = initialization.

**RN:**
- H = hardcore, A = administrative, U = user, L = all, N = not hardcore, O = other (usually rings 0 and 1 only).

**MS:**
- CUR = current, REV = needs revision, DRF = draft, ABS = abstract, NO = none.

**DS:**
- UNC = uncoded, PRG = coding in progress, COD = coded, UCH = unit checked, INT = integrated, CON = consolidated.

**LANG:**
- EPL = EPL, BSA = EPLBSA, FIV = FORTRAN IV, FLI = FL/I, GMP = GMAP, OTH = other (usually data).

**PH:**
- 1 = Phase 1, I = Initial Multics, M = Prototype Multics, P = Post-Prototype.

**LIB:**
- Y = yes, the segment is in the Multics Segment Library; N = no, the segment is not in the Multics Segment Library.

The list is ordered by area of use (areas in the same order as the above explanation of abbreviations), and approximately alphabetically within each area.

Author's initials expand as shown in Table 1.
Table 1

<table>
<thead>
<tr>
<th>Authors</th>
<th>DB</th>
<th>Diana Boyd</th>
<th>RLR, RR</th>
<th>Bob Rappaport</th>
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