MSB

Project Organization

For the purposes of project planning, status reporting and other matters
related to the management of the various Multics Development efforts, I
propose that we adopt a more formalized project organization.

There will be a three level hierarchy in which to classify the various
activities. The highest level is a project group which consists of a group
of closely related projects that require coordination for either technical
or resource usage reasons. Each project group will have a project group
leader who will be responsible for the status reporting of the projects
within the group. Each project group will have a regularly scheduled
monthly meeting and will produce a monthly status report.

The second level is a project which consists of one or more closely related
tasks all of which must be completed in order for the effort to be considered
complete. Each project will have a project leader who will be responsible
for the status reporting of the project.

The third level is the task which is a well defined, short-in-scope effort.
It is the basic unit that is described in the status reports.

The project groups and their leaders are as follows:

Hardcore Development - current system	*	JW Gintell
Follow-on Development		SH Webber
Languages		RA Freiburghouse
System Control	*	RC Daley
User Interface	*	JW Gintell
Documentation	*	CT Clingen
Commercial emphasis		JW Gintell
Miscellaneous Operational Development		RA Roach
Project MAC "specials"		JH Saltzer
Advanced Development		JW Gintell

* means that the leader should be replaced by someone who will have more time
to devote to this effort.

Although each of these groupings should be better defined, for the purposes
of this document I shall only list the names of the projects that fall in each
project group. In most cases it is obvious what issues the project is concerned
with but further definition is needed to describe the scope of each project.

Hardcore Development - current system

    Storage System Enhancements

    Reliability, crash recovery (ring 0 & salvager)

    BOS maintenance

    peripheral equipment software (tapes, printer)

Follow-on Development

    Initial system

    Removable disk pack software (as I/O device)

    Peripheral I/O (PIM)

    MTS -500

    DSS-190

    355

    Unit Record controller

    System Control Console

    "bi-sync" dim

Languages

    APL

    PL/1

    Fortran

    Binder

    Alm

    "run-time" machine (signalling, etc)

    I/O - data management
    COBOL
    Debugging tools

System Control

    Tapes

    Operator communications

    Backup

    User control

User Interface

standardization

command maintenance

utilities

Documentation

Operational documentation

APL manual

on-line documentation

MPM maintenance

SPS upgrade

CPU manual

Commercial emphasis

GCOS facility

low cost service

remote batch

Miscellaneous

installation / operational tools

on-line T&D (peripheral equipment)
metering facilities
external installations

Project MAC specials

ARPA network

Graphics / high speed terminals

LISP

Advanced Development

small configuration system

"hot boot"

tasking

interprocess communication
removable media as part of hieraarchy
increased system security