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I. Product Identification

- A. Proposed product name; Chippewa Operating System Version 1.1
- B. Project Number:
- C. Product Number: E012

II. Products to be Developed:

A. Software:

An update of the Chippewa Operating System containing a number of individual improvements which can be implemented in a relatively short time without disturbing the overall system.

- B. Customer Documentation:
 System Bulletin.
- C. Design Documents: External Reference Specifications, Update to Internal Maintenance Specifications.

III. Design Requirements:

A. Justification:

These are features not provided in Version 1.0 of the Chippewa Operating System which are generally disired by the customers. Many of these may be provided at small cost, thus avoiding many different field modifications.

B. External Design Objectives:

At least the following features will be provided:

- 1. An operator request to save a job by dumping it onto disk, release all (or nearly all) of memory assigned to that job (but not release the control point or peripheral equipment assigned) and later on operator request, request memory, reload, and continue the job.
- 2. A comment control card.

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III. (continued)

- 3. A Density control card or provision for specifying density on the Program card which allows for density control of 3000 tape controllers.
- 4. Cause central processor error exits to give a DMP of the control point area.
- 5. Ability to change INPUT and OUTPUT file priority from the console.
- 6. Ability to increment INPUT file priority at a specified time interval (time interval is installation parameter).
- 7. A deadstart restart package which allows recovering output and input files which are in the system and restarting from the beginning jobs which were at the control points.
- 8. A procedure for periodically (on operator request) purging the dayfile (onto tape or printer) of all messages which do not belong to current jobs.
- 9. Add more file types. When 1DJ searches the FNT and finds an unassigned file of one of these types, it will call a PPU package (standard for PUNCH, user supplied for PLOT) to another PPU.

Other features that may be added as time and manpower permit include:

- 1. Provision for peripheral controllers connected to more than one channel.
- 2. Tape drivers which allow full use of 3000 features.
- 3. The ability to restart printing of a file (e.g. paper jams).
- 4. Numerous other one and two day jobs which are known to be needed.
- C. Internal Design Objectives: The improvements and extensions should not disturb the overall system.
- D. Time Phasing:

None.



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IV.	Hardware Configuration	
	The same as Chippewa Operating System Version 1.0	
V.	Software Relationships and Interdependencies	
	All software dependent on Version 1.0 should not be disturbed	
	by Version 1.1.	
VI.	Standards	
	None	
VII.	Other Actions Required	
	None.	
VIII.	Recommended Responsibilities	

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