



# SW3200/1 System Generation Package

## RESUME

The System Generation Package forms the basis for system generation of RC3600 standard packages, such as the DOMUS Operating and Utility System Package and the RC BASIC/COMAL System Package, and provides the user with a set of standard modules for generation of special RC3600 customer systems.

Some of the features of the System Generation Package are:

- DOMUS/MUS absolute system bootstrap.
- DOMUS/MUS relocatable system bootstrap.
- Dual processor system bootstrap.
- Modularized production system.
- Support of all standard autoloader devices.
- Powerful tools for automatic editing of configuration files.

## DESCRIPTION

The System Generation Package comprises a set of main production modules, a set of relocatable/absolute bootstrap loader modules, and dual processor modules. Also included are a set of file catalog medium description modules and a set of absolute binary basic system modules (a stand-alone MUS Operating System).

The main production modules supply the user with a standard utility parameter interface providing, for example, module description file definition, inclusion of a generation file log, and operation on several standard output devices (e.g. magnetic tape, flexible disc, and paper tape). The module description file is formatted to accept an autoloader module and a number of programs with attributes defining the block length on the output medium, the inclusion or exclusion of file identifications on the output medium, and so on.





In the case of MUS Operating System generation, the generator output forms the system directly. If a DOMUS Operating System is required, the generator output forms an intermediate system, which is delivered on magnetic tape or flexible disc for installation. After autoloading and activation of the DOMUS initialization system module, the actual backing-storage medium device at the base of the system tape or diskette is initialized and generated.

The System Generation Package includes a set of normally used generator output modules for comparison and possible use. Also included is the dual processor initialization and communication module, which must be configured at system generation time.

### **SOFTWARE PREREQUISITES**

DOMUS Operating and Utility System Package, SW3001/1, and possibly  
DOMAC Macro Assembler Package, SW3101/1.