
 ELECTRONIC VISIONS, INC.

Source Control Management Software (SCM)

SCM

Software Configuration Management should be an important part of any system, whether it is a static or dynamically changing environment. Software configuration management allows current production versions of software to be maintained in a known, controlled state. A successful configuration management system reduces, if not eliminates, the problems that occur when software changes take place such as duplicate source modules, lost revision history, or duplicate modifications.

SCM provides such a configuration management and control system. SCM provides this environment with minimal impact on software development or maintenance efforts. SCM can function along with a paper trail or in a paperless system.

The MODCOMP based SCM system eliminates the problems of source movement on or off the system that is present in non-MODCOMP based solutions. SCM functions in the normal partition or File Manager environment of the MAX operating systems.

FEATURES

Controlled Access SCM allows only one individual to check a controlled module out. Only that individual may check the module back in. SCM performs all movement of the control modules, reducing the ability to by-pass procedures.

Module Check In SCM will allow a module to be checked in only if it is the initial check in or if the individual checking the module in was the individual checking the module out. SCM will move (copy and delete) the source from the users USL into the controlled areas and change the status to reflect the current state. If the module is not an initial check in and **Revision History** is active, SCM will determine the changes

made to the module and will maintain a revision module. This revision module allows the previous revisions to be re-created if required.

Module Check Out A module can be checked out by an individual only if it is not currently checked out, although provisions are present for emergency situations. SCM will copy the controlled source to the users USL and change the status of the module to reflect that it has been checked out. Once checked out, only this user can check the module back in.

Cancel Check Out If a module has been checked out, the check out may be canceled. SCM will not allow the module to be checked in once canceled.

Emerg. CheckOut The emergency check out feature is present for conditions when a module has been checked out by an individual and is in a state of modifications and immediate changes to the controlled module must be made. SCM requires a password be entered to perform the emergency check out. Once checked out, the original source can not be checked in and an entry is made in the **Emergency Check Out Log**.

Emerg. Password SCM requires a password be entered for emergency check outs. The password may be changed as required.

Copy Module A controlled source module may be copied from the SCM area to an individuals USL regardless of the current state. SCM will not allow this source to be checked in.

Rename Module SCM has provisions to rename a module under SCM control.

Delete Module Modules may be deleted from SCM control. SCM maintains the entry in the SCM directories and reports on deleted modules can be generated.

Erase Module	A module under SCM control can be erased entirely from the SCM areas.
Reporting	SCM provides a variety of reports designed to support software maintenance.
Single Module	SCM can provide the status of a single module, the target USL, the state of the source (in or out), the state of the object module when applicable (test or production), dates of module movement, and the individual last responsible for the module.
All Modules Out	SCM can generate a report of modules currently checked out. This report can be generated for a single individual or all individuals.
Deleted Modules	The Deleted Module Report shows all modules that were deleted or removed from SCM control.
All Modules	The All Modules Report provides the current state of all modules under SCM control.
Modules Checked In	This report lists all modules and their status since a specified date.
Source Listing	SCM can generate a listing of any module under its control to a user specified device.
List Device	The destination device for all reports can be changed.
List Emergency Log	SCM maintains a log of all emergency operations. This report function lists the log
Load Module Log	This report is generated from the Load Module Log that is maintained by SCM. These are the tasks or overlays built from controlled source.

REQUIREMENTS

- » MODCOMP running MAX IV or MAX32
- » Sufficient disk space to maintain controlled directories

Electronic Visions, Inc's products are of the highest quality and designed with the customers needs in mind. All products are delivered with a one year, return to factory warranty.

If you would like more information on this or any of the other products offered by Electronic Visions, Inc. please contact us at any of our offices listed.

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MENU DRIVEN

Source Control Management

- 1 Module Check In
- 2 Module Check Out
- 3 Cancel Check Out
- 4 Emergency Check Out
- 5 Change Emergency Password
- 6 Copy Module
- 7 Rename Module
- 8 Delete Module
- 9 Erase Module from Directory
- 10 Status/Reports
- 11 Exit

Enter option:

Source Control Management Report Options

- 1 List Status Single Module
- 2 List Modules Checked Out
- 3 List Modules Deleted
- 4 List Status All Modules
- 5 List Modules Checked In
- 6 Print Source Module
- 7 Change Listing Device
- 8 List Emergency Log
- 9 List Load Module Log
- 10 Return to Main Menu
- 11 Exit

Enter option: