

## INTRODUCTION

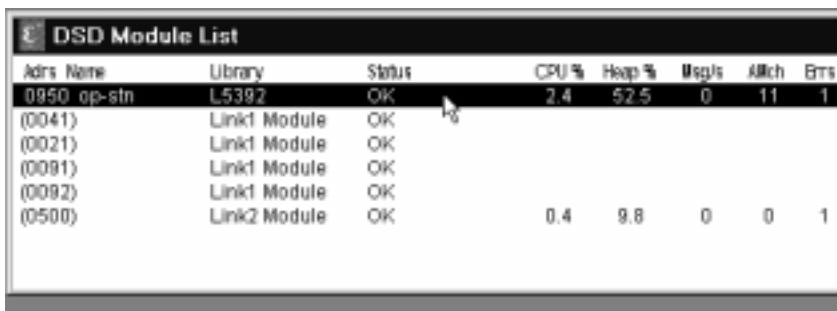
- Drive System Designer (DSD) has been updated to version 1.15.
- The user now has the option to save and restore the monitor list and also storing a text log of all the information written to the monitor window.
- Some new SAM monitoring test points have been added to the primary system control blocks in *LINK*. These test points can be brought out through a macro for monitoring, but will only work in a SAM mode.
- Many *LINK* function blocks have been updated with more online monitoring points in *SAM*.

## SAM FEATURES ADDED

### Saving and restoring Monitor lists

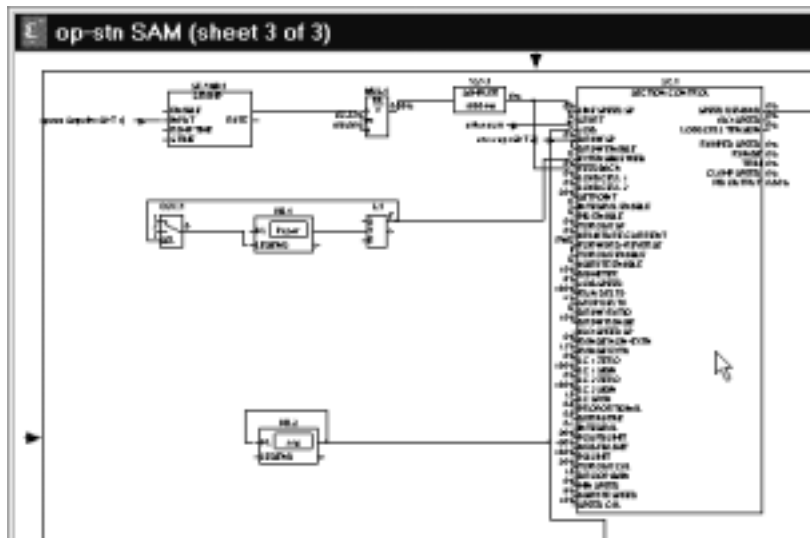
#### Saving a Monitor List

First, go online with a module by clicking on it in the Module List.



Adrs	Name	Library	Status	CPU%	Heap%	Msg/s	Alrch	Errs
0950	op-stn	L5392	OK	2.4	52.5	0	11	1
(0041)		Link1 Module	OK					
(0021)		Link1 Module	OK					
(0091)		Link1 Module	OK					
(0092)		Link1 Module	OK					
(0500)		Link2 Module	OK	0.4	9.8	0	0	1

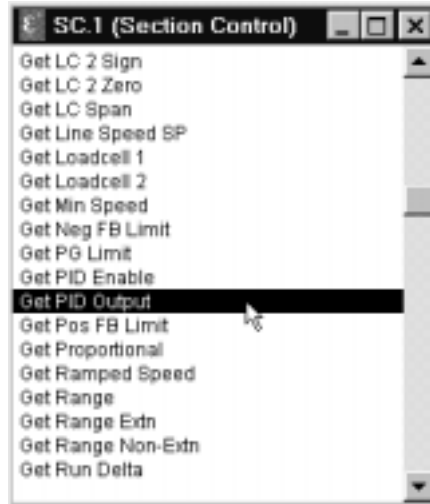
An online copy of the configuration will appear, notice the letters “SAM” after the configuration name.



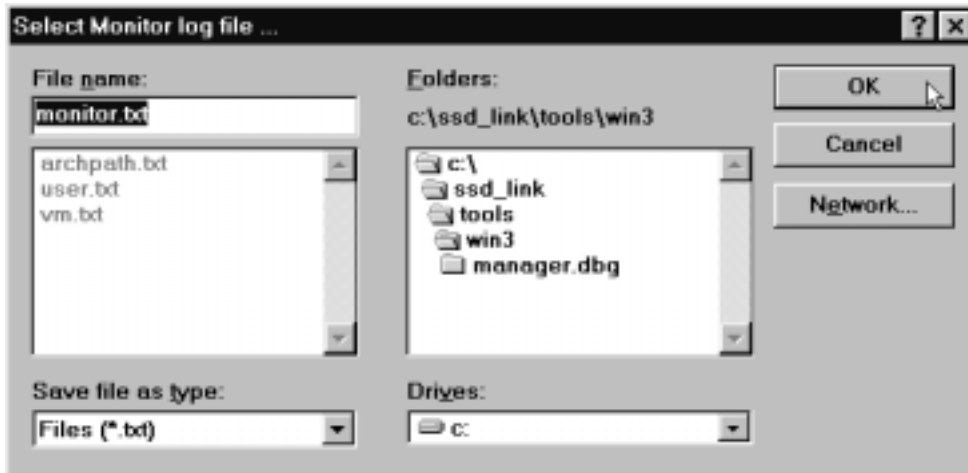
To pull up a list of parameters that can be monitored online, Click inside any *LINK* function block. For this example, the Section Control block was clicked.

## Drive System Designer (DSD) Updates

The list is in alphabetical order starting with the gets and then the sets. The gets are for monitoring a parameter and the sets for changing it. The ones associated with the monitor list are the gets.



This list shows all the parameters inside the section control block that can be monitored online. To pull up a Monitor list hold the shift key and double click one of the get parameters. The program will then prompt for a name for the Monitor Log file. Click on OK when finished.

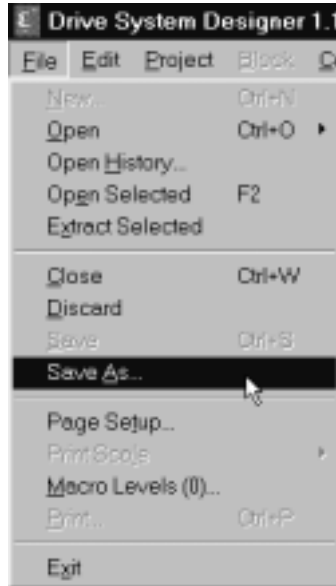


Any information displayed in the Monitor List will be stored in the log file. The Monitor List is the only window where the parameters are updated real time. The number of parameters monitored should be limited to 10 – 15 total but are not limited to a single address. The Monitor List now has the capability to be saved. To save the Monitor List, make sure it is the active window, by clicking on the title bar.

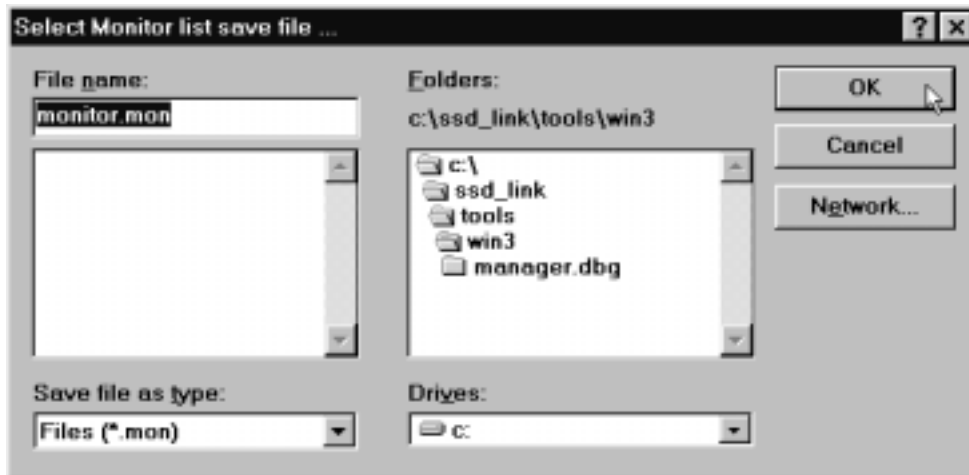


## Drive System Designer (DSD) Updates

Go to File and click on Save As.



Type in a name for the Monitor List, or use the default. When finished click on OK.

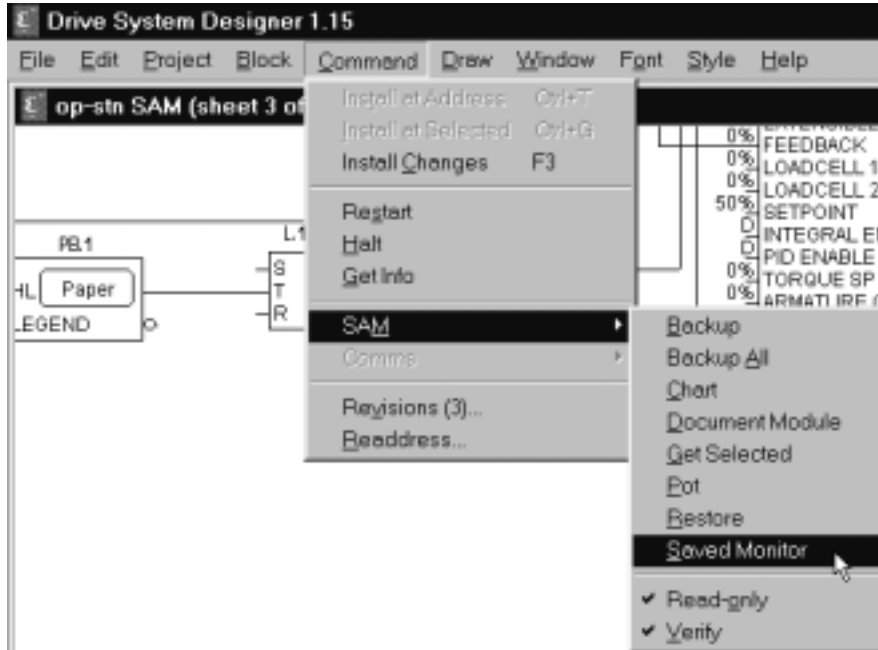


The Monitor List will be saved to the last folder opened in the above window. For this example the Win3 folder. Once it has been save it can be reopened any time in SAM, by following the directions in the following section.

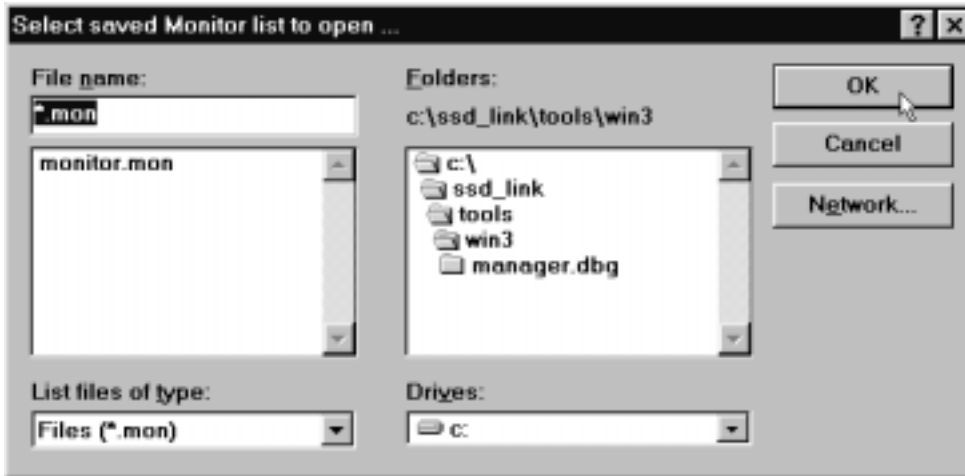
## Drive System Designer (DSD) Updates

### Restoring a monitor list

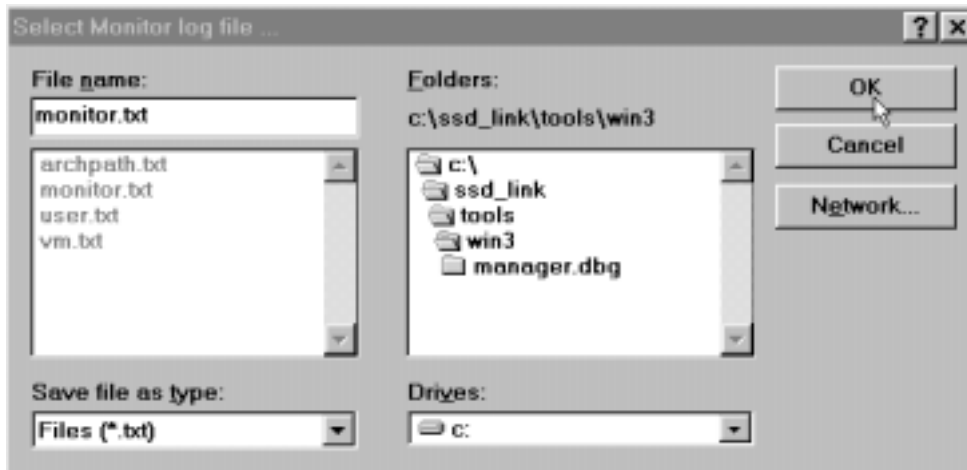
Follow the previous section on going online with a module. Once online, a saved Monitor List can be restored. Click on Command, then SAM, then Saved Monitor.



Now select one of the saved monitor lists and click OK.

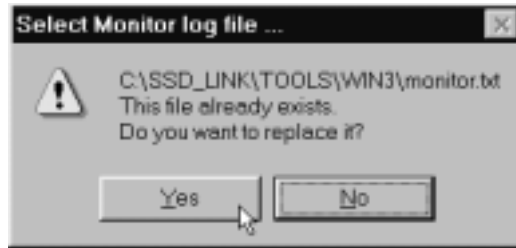


The program will also ask u what text file (txt) to save the monitor log too.

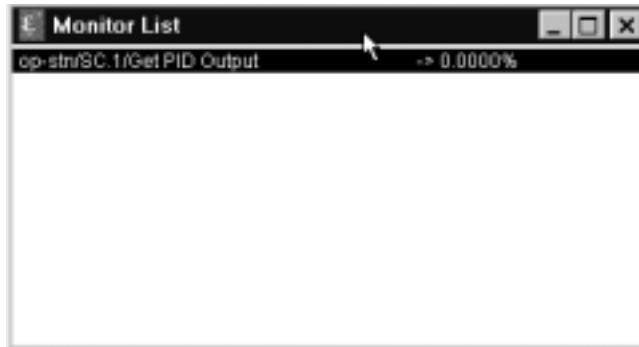


## Drive System Designer (DSD) Updates

If the log file already exists, the program will ask if the existing file should be overwritten. Click Yes or NO.



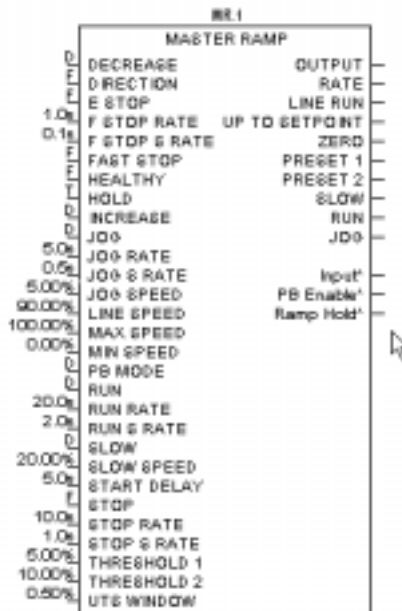
If No is clicked, a new log file name will need to be entered.



If Yes is clicked, the saved Monitor List will appear, the way it was originally saved.

### SYSTEM FUNCTION BLOCK ENHANSEMENTS

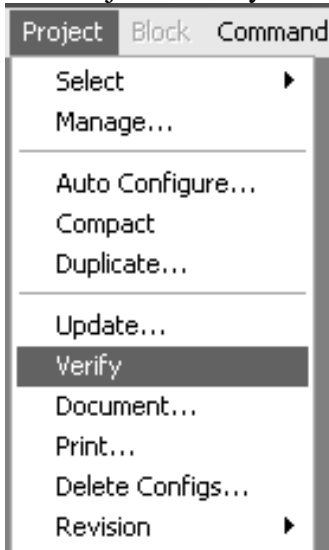
There are 4 LINK system blocks that have been updated with new *SAM* functions, they are the Master Ramp, Section Control, the SPW3 winder block and the CPW winder block. These new *SAM* functions will allow the user to send out the information to be monitored through a macro, but will only work when in a *SAM* mode.



The new *SAM* functions appear on the output side of the blocks, and the connection names have a smaller font, and are followed by an asterisk. They look like regular outputs, but will only function when in a *SAM* mode. An output connection can be tagged to these new outputs and sent out of a macro, for monitoring on the outside of a macro.

## ***FEATURES ADDED***

### The Project - Verify Command



This command only applies to project that use an Overview module to map the configuration connections.

“OvrVw” module can be created either through AutoConfigure wizard [Project | AutoConfigure] or manual generation.

In order to execute this command the Link project must contain a module which its name starting with “Ovrvw”. Verify command simply looks at Overview modules and make sure all link connections are based on the Overview mapping. The “Ovrvw” is the mapping::master configuration. If a connection is made in the “Ovrvw” but it is not in the individual Link configuration, it will get drawn in the Local module. This command can work successful if connections are not updating.

Always check the scratch pad for list of deleted connections.