

OPERATOR SECURITY SYSTEM (OSS) for LabVIEW

Developed by *BetterVIEW Consulting*

Demo Usage Guidelines

Thank you for downloading the **OSS Demo**. This document is provided to help you get the most out of your demo session. You may want to print a copy to use as a guide while exploring the VIs.

1) Locate the demo library on your hard drive: **oss_demo.llb**

2) Double-click on **oss_demo.llb** or open the library in LabVIEW.
Next, open the top level VI: **Operator_Security_Demo.vi**

3) After starting the demo, you will be greeted by a dialog box. Next, you will be asked to specify a path for the **Operator Log File** generated by the demo. The Operator Log saves a time-stamped record of all operator events. The default file directory is the disk folder where the **oss_demo.llb** VI library is located. If this folder is appropriate, just click to confirm in the file dialog. If you would rather save the file in another location, use the standard file dialog to choose a destination. (NOTE: If you run this demo more than once, this demo operator log will be overwritten. This is normal and quite acceptable.)

4) After the Log file path has been specified, you will be viewing the main demo panel. This panel represents the top level VI in your application. (Note: You will need to provide some mechanism for changing operators in your VI. This sample demonstrates the use of a simple boolean button – the yellow button labeled “**Change Operators...**” located in the upper-right side of the panel.)

5) You may want to take a moment to view the on-line instructions at this point. Press the “**Instructions...**” button on the lower left corner.

6) Now we will explore some of the features.

a) Press the yellow “**Change Operators...**” button to open the password dialog.

b) Pull down the menu and select “**Operator 1**”. In the password field, type “**one**” (no quotation marks), then press enter. When the dialog box closes you will notice that Operator 1 is now the current operator.

c) Now, let's change Operator 1's password. Press “**Change Operators...**” again, select Operator 1, type in “one” as the password, but this time, rather than pressing “Enter”, press “**Change Password...**” (on the left). Type in a new password and verify it in the second text box, then press “Enter”. You have now changed Operator 1's password.

d) Next, we will open the configuration editors. Press “**Change Operators...**”, and this time select “**Supervisor**” from the pull-down menu. Type the password “**Super**” (notice uppercase “S”). Click “**Edit Security Configuration...**” - this opens the **Security Configuration Editor Panel**.

*** NOTE: You may experience a “**Security Time-Out**” while working in the editors. If this happens, a password dialog box will open asking for a password. Verify that the selected operator is “**Supervisor**”, then type “**Super**” in the password field and press “Enter”.

e) Select **Operator 1** in the "**Current Operators**" list. Either click the dark gray "**Edit selected operator...**" button, or double-click on the operator name to open the "**Operator Editor Panel**". You should see the new password you assigned to Operator 1. Try setting the password back to "one", then click "**Update Operator Parameters**" to close the operator editor.

f) Try adding and deleting operators and changing operator parameters.

g) Next, press the "**Edit Preferences...**" button on the Security Parameters Editor panel. This will open the **Security Preferences Editor Panel**. You may try changing **Security Time-out** parameters. Try turning the time-out function OFF, or change time-out values. The path information can not be edited in the demo, but in the "full" version, you can change path and file preferences.

h) Close the **Security Preferences Editor** by clicking either "**Update Security Preferences**" or "Cancel". Before leaving the main **Security Parameters Editor**, have a look at the operator log by pressing "**View Operator Log**" button at the bottom of the "**Current Operators**" list (left side).

i) When you decide you are finished exploring the editor, click "**Update File & Exit**" or "Cancel" to close the **Security Parameters Editor**.

j) Try logging on with other operators, changing parameters, etc. then check the Operator Log file again to see the changes.

BetterVIEW invites you to explore this partially limited demo. Keep in mind that the "full", registered version of the software also gives you usage instructions and complete access to all the meticulously commented diagrams. This information, combined with VI Info notes for each VI enables you to customize this toolkit to fit seamlessly into your application.

Other features in the full package that are not available in this demo:

- A stand-alone **Security System Configuration Wizard** to set security system parameters
- TCP/IP network-enabled operation through the VI Server
- Encrypted operator passwords and log files
- Utility VIs to add any arbitrary time-stamped message to the operator log - such as parameter or set-point changes, operator comments and notations, alarm events and so forth.
- and much more.

If you have any questions, don't hesitate to contact Dave Ritter at BetterVIEW Consulting:

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Thanks for taking time to review this demo!