OPERATOR INTERFACE PRODUCTS APPLICATION NOTE

Subject: Using Counters in SoftScreen for Windows 2.x   AN#1059A
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Description: Configuring counters for Release 2.x vs Release 1.4

Release 2.x of Softscreen for Windows has changed how various events and expressions are evaluated which may require a change to some programming techniques. One such situation is when using the 3000 Series Workstation to control counters.

This appnote shows a method of configuring an internal counter which worked fine with release 1.4 but may cause problems in release 2.x. An alternative method of accomplishing the same result is also demonstrated. A counter configured under the old method will probably not reset correctly to zero when running under release 2.x.

Old method to create a counter that would count up to 100 and then reset to zero.
    Two expressions and two screen events were used as follows:
    (Expression)   VALINC = VAL+1
    (Expression)   VALMAX = VAL > 100
    (Event)   [Periodic Time-out] or [Condition Becomes True]   Assign VAL=VALINC
    (Event)   Condition Becomes True VALMAX   Assign VAL = ZERO

New method to create a counter that counts up to 100 and then resets to zero.
    One expression and one screen event are used as follows:
    (Expression)   VALINC = (VAL+1)%101
    (Event)   [Periodic Time-out] or [Condition Becomes True]   Assign VAL=VALINC

In general you should always try to avoid configuring more than one event, or expression, to have the ability to change the value of a tag. Please note that this is not the only example of changes that may be required when you convert an existing release 1.4 application.