Appendix B: DecisioNet Configuration Files

This appendix contains listings of the following DecisioNet Configuration files:

- DecisioNet CBS Configuration file (`dncbsconfig.xml`)
- DecisioNet Configuration file (`dnconfig.xml`)
- DecisioNet Task Manager Configuration file (`taskman.cfg`)
- DecisioNet Host Bridge Configuration file (`dnhostbridge.xml`)

DecisioNet CBs Configuration file (`dncbsconfig.xml`)

```
<?xml version="1.0"?>

<!DOCTYPE cbsconfig SYSTEM "dncbsconfig.dtd">

<cbsconfig>
   <cbs>
      <id>1</id>
      <hostname>ncrdnetnnnnnn.atlantaga.ncr.com</hostname>
   </cbs>
</cbsconfig>
```

DecisioNet Configuration file (`dnconfig.xml`)

```
<?xml version="1.0"?>

<!DOCTYPE config SYSTEM "dnconfig.dtd">

<config>
   <section name="Ipc">
      <!-- <param name="ServerIP">127.0.0.1</param> -->
      <param name="TraceLevel">0</param>
   </section>

    <!-- ********************************************************** -->
    <!-- * LogTally Manager Configuration parameters                * -->
```

```
 <!-- ********************************************************** -->

<section name="LogTally Manager">

     <!-- Section: LogTally Manager                                -->
     <!--                                                          -->
     <!-- SystemLogging                                            -->
     <!--                                                          -->
     <!-- Specifies whether or not to log to the OS system log. d  -->
     <!--                                                          -->
     <!-- Values: Y(yes) or N(no)                                  -->
     <!--                                                          -->
     <!-- Default = Y (yes)                                        -->

    <param name="SystemLogging">Y</param>

     <!-- Section: LogTally Manager                                -->
     <!--                                                          -->
     <!-- CheckAction                                              -->
     <!--                                                          -->
     <!-- Specifies whether or not to check for any actions        -->
     <!-- required before sending event to the dnltmanager.        -->
     <!--                                                          -->
     <!-- Values: Y - Send only if action required.                -->
     <!--         N - Send always.                                 -->
     <!--                                                          -->
     <!-- Default = Y (yes)                                        -->

    <param name="CheckAction">Y</param>

     <!-- Section: LogTally Manager                                -->
     <!--                                                          -->
     <!-- MaxTallies                                               -->
     <!--                                                          -->
     <!-- Maximun number of tallies allowed per modue.             -->
     <!--                                                          -->
     <!-- Values: 1+                                               -->
     <!--                                                          -->
     <!-- Default = 50                                             -->

    <param name="MaxTallies">50</param>

     <!-- Section: LogTally Manager                                -->
     <!--                                                          -->
     <!-- TallyUpdateFrequency                                     -->
     <!--                                                          -->
     <!-- Interval to request tally dumps in minutes.              -->
     <!--                                                          -->
     <!-- Values: 1+                                               -->
     <!--                                                          -->
```

```
 <!-- Default = 10                                                -->

<param name="TallyUpdateFrequency">10</param>

 <!-- Section: LogTally Manager                                   -->
 <!--                                                             -->
 <!-- TraceLevel                                                  -->
 <!--                                                             -->
 <!-- Specifies level of verbose tracing.                         -->
 <!--                                                             -->
 <!-- Values: 0-4                                                 -->
 <!--                                                             -->
 <!-- Default = 0                                                 -->

<param name="TraceLevel">0</param>

 <!-- Section: LogTally Manager                                   -->
 <!--                                                             -->
 <!-- TraceFile                                                   -->
 <!--                                                             -->
 <!-- Specifies file name to write trace information.             -->
 <!--                                                             -->
 <!-- Values:  Valid file and or dir/file name.                   -->
 <!--                                                             -->
 <!-- Default = None                                              -->

 <!--    <param name="TraceFile">dnltmanager.trc</param>          -->

 <!-- Section: LogTally Manager                                   -->
 <!--                                                             -->
 <!-- EventsMax                                                   -->
 <!--                                                             -->
 <!-- Specifies maximum number of records allowed                 -->
 <!-- in EVENT table.                                             -->
 <!--                                                             -->
 <!-- Values: 1000+                                               -->
 <!--                                                             -->
 <!-- Default = 10000                                             -->

<param name="EventsMax">10000</param>

 <!-- Section: LogTally Manager                                   -->
 <!--                                                             -->
 <!-- EventsNumberToRemove                                        -->
 <!--                                                             -->
 <!-- Specifies number of records to delete when EventsMax        -->
 <!-- is reached.                                                 -->
 <!--                                                             -->
 <!-- Values: 100+                                                -->
 <!--                                                             -->
```

```
 <!-- Default = 1000                                              -->

<param name="EventsNumberToRemove">1000</param>

 <!-- Section: LogTally Manager                                   -->
 <!--                                                             -->
 <!-- EventsDaysToRemove                                          -->
 <!--                                                             -->
 <!-- Specifies maximum retention days for EVENTS.                -->
 <!-- All EVENTS older than this number of day will be deleted.-->
 <!-- Parameter superseeds EventMAx.                              -->
 <!--                                                             -->
 <!-- Values: 1+                                                  -->
 <!--                                                             -->
 <!-- Default = 30                                                -->

<param name="EventsDaysToRemove">30</param>

 <!-- Section: LogTally Manager                                   -->
 <!--                                                             -->
 <!-- HandleEmail                                                 -->
 <!--                                                             -->
 <!-- Specifies whether to handle email type actions.             -->
 <!--                                                             -->
 <!-- Values: Y(yes) or N(no)                                     -->
 <!--                                                             -->
 <!-- Default = Y (yes)                                           -->

<param name="HandleEmail">Y</param>

 <!-- Section: LogTally Manager                                   -->
 <!--                                                             -->
 <!-- HandleAlarm                                                 -->
 <!--                                                             -->
 <!-- Specifies whether to handle alarm type actions.             -->
 <!--                                                             -->
 <!-- Values: Y(yes) or N(no)                                     -->
 <!--                                                             -->
 <!-- Default = Y (yes)                                           -->

<param name="HandleAlarm">Y</param>

 <!-- Section: LogTally Manager                                   -->
 <!--                                                             -->
 <!-- HandleConsole                                               -->
 <!--                                                             -->
 <!-- Specifies whether to handle console type actions.           -->
 <!--                                                             -->
 <!-- Values: Y(yes) or N(no)                                     -->
 <!--                                                             -->
```

```
 <!-- Default = Y (yes)                                          -->

<param name="HandleConsole">Y</param>

 <!-- Section: LogTally Manager                                  -->
 <!--                                                            -->
 <!-- HandleSystemTray                                           -->
 <!--                                                            -->
 <!-- Specifies whether to handle systemtray type actions.       -->
 <!--                                                            -->
 <!-- Values: Y(yes) or N(no)                                    -->
 <!--                                                            -->
 <!-- Default = Y (yes)                                          -->

<param name="HandleSystemTray">Y</param>

 <!-- Section: LogTally Manager                                  -->
 <!--                                                            -->
 <!--                                                            -->
 <!--                                                            -->
 <!-- Specifies whether or not to handle the action.             -->
 <!--                                                            -->
 <!-- Values: Y(yes) or N(no)                                    -->
 <!--                                                            -->
 <!-- Default = Y (yes)                                          -->

<param name="HandleExecProcess">Y</param>

 <!-- Section: LogTally Manager                                  -->
 <!--                                                            -->
 <!--                                                            -->
 <!--                                                            -->
 <!-- Specifies whether to handle Esl Pager Tag type actions.    -->
 <!--                                                            -->
 <!-- Values: Y(yes) or N(no)                                    -->
 <!--                                                            -->
 <!-- Default = Y (yes)                                          -->

<param name="HandlePager">Y</param>

 <!-- Section: LogTally Manager                                  -->
 <!--                                                            -->
 <!-- HandleEslTag                                               -->
 <!--                                                            -->
 <!-- Specifies whether to handle Esl Manual Tag type actions.   -->
 <!--                                                            -->
 <!-- Values: Y(yes) or N(no)                                    -->
 <!--                                                            -->
 <!-- Default = Y (yes)                                          -->
```

```
<param name="HandleEslTag">Y</param>

 <!-- Section: LogTally Manager                                  -->
 <!--                                                            -->
 <!-- HandleThirdParty                                           -->
 <!--                                                            -->
 <!-- Specifies whether to handle ThirdParty type actions.       -->
 <!--                                                            -->
 <!-- Values: Y(yes) or N(no)                                    -->
 <!--                                                            -->
 <!-- Default = N (No)                                           -->

<param name="HandleThirdParty">N</param>

 <!-- Section: LogTally Manager                                  -->
 <!--                                                            -->
 <!-- ManualTagLinkID                                            -->
 <!--                                                            -->
 <!-- Specifies Manual Tag Link ID.                              -->
 <!--                                                            -->
 <!-- Values: AlphaNumeric                                       -->
 <!--                                                            -->
 <!-- Default = MANUAL                                           -->

<param name="ManualTagLinkID">MANUAL</param>

 <!-- Section: LogTally Manager                                  -->
 <!--                                                            -->
 <!-- ManualTagLinkType                                          -->
 <!--                                                            -->
 <!-- Specifies Manual Tag Link Type.                            -->
 <!--                                                            -->
 <!-- Values: Numbeic                                            -->
 <!--                                                            -->
 <!-- Default = 99                                               -->

<param name="ManualTagLinkType">99</param>

 <!-- Section: LogTally Manager                                  -->
 <!--                                                            -->
 <!-- PagerTagLinkID                                             -->
 <!--                                                            -->
 <!-- Specifies Pager Tag Link ID.                               -->
 <!--                                                            -->
 <!-- Values: AlphaNumeric                                       -->
 <!--                                                            -->
 <!-- Default = PAGER                                            -->

<param name="PagerTagLinkID">PAGER</param>
```

```
    <!-- Section: LogTally Manager                                  -->
    <!--                                                            -->
    <!-- PagerTagLinkType                                           -->
    <!--                                                            -->
    <!-- Specifies Pager Tag Link Type.                             -->
    <!--                                                            -->
    <!-- Values: Numeric                                            -->
    <!--                                                            -->
    <!-- Default = 98                                               -->

   <param name="PagerTagLinkType">98</param>

</section>

<!-- ********************************************************** -->
<!-- * CBS Manager Configuration parameters                   * -->
<!-- ********************************************************** -->

<section name="CBS Manager">

    <!-- Section:  CBS Manager                                     -->
    <!--                                                           -->
    <!-- MaxWorkerThreads                                          -->
    <!--                                                           -->
    <!-- The maximum number of threads the CBS Manager is allowed -->
    <!-- to create to communicate with CBS's.  This parameter     -->
    <!-- will limit the number of connections to CBS's that the   -->
    <!-- CBS Manager can create.                                   -->
    <!--                                                           -->
    <!-- Values: 1+                                                -->
    <!--                                                           -->
    <!-- Default = 20                                              -->

    <param name="MaxWorkerThreads">20</param>

    <!-- Section:  CBS Manager                                     -->
    <!--                                                           -->
    <!-- MaxConnectionsPerCBS                                      -->
    <!--                                                           -->
    <!-- The maximum number of connections the CBS Manager is     -->
    <!-- allowed to have open to each individual CBS.              -->
    <!--                                                           -->
    <!-- Values: 1+                                                -->
    <!--                                                           -->
    <!-- Default = 10                                              -->

    <param name="MaxConnectionsPerCBS">10</param>

    <!-- Section:  CBS Manager                                     -->
    <!--                                                           -->
```

```
<!-- MaxChainedMessages                                          -->
<!--                                                            -->
<!-- The maximum number of ESL commands that should be          -->
<!-- chained together in a single ESL message (downlink).       -->
<!--                                                            -->
<!-- Values: 1-8                                                -->
<!--                                                            -->
<!-- Default = 5                                                -->

<param name="MaxChainedMessages">5</param>

<!-- Section:  CBS Manager                                      -->
<!--                                                            -->
<!-- MinChainedMessages                                         -->
<!--                                                            -->
<!-- The minimum number of ESL commands that should be          -->
<!-- chained together in a single ESL message (downlink).  If   -->
<!-- fewer than this number need to be sent to process a        -->
<!-- request NOP commands are appended to increase the number   -->
<!-- of chained messages.                                       -->
<!--                                                            -->
<!-- Values: 1-8                                                -->
<!--                                                            -->
<!-- Default = 1                                                -->

<param name="MinChainedMessages">1</param>

<!-- Section:  CBS Manager                                      -->
<!--                                                            -->
<!-- TODUpdateFrequency                                         -->
<!--                                                            -->
<!-- Specifies how often (in minutes) the time of day should    -->
<!-- be broadcast to all ESL's.                                 -->
<!--                                                            -->
<!-- Values: 1+                                                 -->
<!--                                                            -->
<!-- Default = 60 (minutes)                                     -->

<param name="TODUpdateFrequency">60</param>

<!-- Section:  CBS Manager                                      -->
<!--                                                            -->
<!-- NumberCBSAttempts                                          -->
<!--                                                            -->
<!-- Specifies how many times the CBS Manager should attempt    -->
<!-- to connect to a CBS or send a command to a CBS before      -->
<!-- giving up.                                                 -->
<!--                                                            -->
<!-- Values: 1+                                                 -->
<!--                                                            -->
```

```
<!-- Default = 3                                                  -->

<param name="NumberCBSAttempts">3</param>

<!-- Section:  CBS Manager                                        -->
<!--                                                              -->
<!-- NumberESLAttempts                                            -->
<!--                                                              -->
<!-- Specifies how many times the CBS Manager should attempt      -->
<!-- to send a message to an ESL before giving up.  The CBS       -->
<!-- Manager will retry sending a message to an ESL up to         -->
<!-- this limit when no response is received from the ESL.        -->
<!--                                                              -->
<!-- Values: 1+                                                   -->
<!--                                                              -->
<!-- Default = 5                                                  -->

<param name="NumberESLAttempts">5</param>

<!-- Section:  CBS Manager                                        -->
<!--                                                              -->
<!-- BroadcastSends                                               -->
<!--                                                              -->
<!-- Specifies the number of times the CBS Manager should         -->
<!-- send broadcast messages to ESL's.                            -->
<!--                                                              -->
<!-- Values: 1+                                                   -->
<!--                                                              -->
<!-- Default = 5                                                  -->

<param name="BroadcastSends">5</param>

<!-- Section:  CBS Manager                                        -->
<!--                                                              -->
<!-- ConnectTimeout                                               -->
<!--                                                              -->
<!-- The number of seconds the CBS Manager should wait while      -->
<!-- attempting to open a connection to a CBS before giving       -->
<!-- up.                                                          -->
<!--                                                              -->
<!-- Values: 1+                                                   -->
<!--                                                              -->
<!-- Default = 10 seconds                                         -->

<param name="ConnectTimeout">10</param>

<!-- Section:  CBS Manager                                        -->
<!--                                                              -->
<!-- ResponseTimeout                                              -->
<!--                                                              -->
```

```
<!-- The number of seconds the CBS Manager should wait for a  -->
<!-- response from a CBS before disconnecting and retrying.   -->
<!--                                                          -->
<!-- Values: 1+                                               -->
<!--                                                          -->
<!-- Default = 15 seconds                                     -->

<param name="ResponseTimeout">15</param>

<!-- Section:  CBS Manager                                    -->
<!--                                                          -->
<!-- MaxFailureFrequency                                      -->
<!--                                                          -->
<!-- The maximum frequency in seconds that diagnostic         -->
<!-- failures from each CBS should be logged.  The CBS        -->
<!-- Manager will accept no more than one diagnostic failure  -->
<!-- from each CBS during this window.                        -->
<!--                                                          -->
<!-- Values: 1+                                               -->
<!--                                                          -->
<!-- Default = 15 seconds                                     -->

<param name="MaxFailureFrequency">15</param>

<!-- Section:  CBS Manager                                    -->
<!--                                                          -->
<!-- ResultTableExpirationTime                                -->
<!--                                                          -->
<!-- Specifies how long (in minutes) the CBS Manager should   -->
<!-- keep results of completed requests in it's result table  -->
<!-- for retrieval by clients.                                -->
<!--                                                          -->
<!-- Values: 1+                                               -->
<!--                                                          -->
<!-- Default = 60 minutes                                     -->

<param name="ResultTableExpirationTime">60</param>

<!-- Section:  CBS Manager                                    -->
<!--                                                          -->
<!-- BufferFullAttempts                                       -->
<!--                                                          -->
<!-- Specifies how many times the CBS Manager should try      -->
<!-- sending a message to an ESL when a CBS returns "buffer   -->
<!-- full."                                                   -->
<!--                                                          -->
<!-- Values: 1+                                               -->
<!--                                                          -->
<!-- Default = 99                                             -->
```

```
<param name="BufferFullAttempts">99</param>

<!-- Section:  CBS Manager                                        -->
<!--                                                              -->
<!-- BufferFullPause                                              -->
<!--                                                              -->
<!-- Specifies how many seconds the CBS Manager whould wait       -->
<!-- before resending a message to a CBS after receiving a        -->
<!-- "buffer full" error.                                         -->
<!--                                                              -->
<!-- Values: 1+                                                   -->
<!--                                                              -->
<!-- Default = 10                                                 -->

<param name="BufferFullPause">10</param>

<!-- Section:  CBS Manager                                        -->
<!--                                                              -->
<!-- CBSBusyAttempts                                              -->
<!--                                                              -->
<!-- Specifies how many times the CBS Manager should try          -->
<!-- sending a message to an ESL when a CBS returns "busy,"       -->
<!--                                                              -->
<!-- Values: 1+                                                   -->
<!--                                                              -->
<!-- Default = 99                                                 -->

<param name="CBSBusyAttempts">99</param>

<!-- Section:  CBS Manager                                        -->
<!--                                                              -->
<!-- CBSBusyPause                                                 -->
<!--                                                              -->
<!-- Specifies how many seconds the CBS Manager whould wait       -->
<!-- before resending a message to a CBS after receiving a        -->
<!-- "busy" error.                                                -->
<!--                                                              -->
<!-- Values: 1+                                                   -->
<!--                                                              -->
<!-- Default = 10                                                 -->

<param name="CBSBusyPause">10</param>

<!-- Section:  CBS Manager                                        -->
<!--                                                              -->
<!-- QuickFind                                                    -->
<!--                                                              -->
<!-- If enabled the CBS Manager will return the results of a      -->
<!-- find immediately after recieving a response from the ESL     -->
<!-- being located.  If disabled the CBS Manager will             -->
```

```
<!-- continue trying to find the specified ESL                -->
<!-- 'BroadcastSends' times to make sure the find returns     -->
<!-- the CBS that received the strongest response from the    -->
<!-- ESL.                                                     -->
<!--                                                          -->
<!-- Values: 1 (enabled) or 0 (disabled)                      -->
<!--                                                          -->
<!-- Default = 1                                              -->

<param name="QuickFind">1</param>

<!-- Section:  CBS Manager                                    -->
<!--                                                          -->
<!-- SimulationMode                                           -->
<!--                                                          -->
<!-- If set to 1 the CBS Manager will simulate communications -->
<!-- with CBS's and ESL's.  If set to 2 the CBS Manager will  -->
<!-- send ESL messages to CBS's but always return a good      -->
<!-- uplink from the ESL, whether or not the actual received  -->
<!-- uplink was good.                                         -->
<!--                                                          -->
<!-- Values: 0, 1, or 2.                                      -->
<!--                                                          -->
<!-- Default = 0                                              -->

<param name="SimulationMode">1</param>

<!-- Section:  CBS Manager                                    -->
<!--                                                          -->
<!-- StoreID                                                  -->
<!--                                                          -->
<!-- The StoreID for the system.  When the CBS Manager starts -->
<!-- it will ensure that all CBS's use the specified store ID -->
<!-- in beacons and all downlinks.                            -->
<!--                                                          -->
<!-- Values: 0-255                                            -->
<!--                                                          -->
<!-- Default = 255                                            -->

<param name="StoreID">255</param>

<!-- Section:  CBS Manager                                    -->
<!--                                                          -->
<!-- TraceLevel                                               -->
<!--                                                          -->
<!-- Specifies the default trace level to use if none         -->
<!-- specified on the command-line.                           -->
<!--                                                          -->
<!-- Trace level 0 = No trace output.                         -->
<!-- Trace level 1 = Trace output for errors only.            -->
```

```
    <!-- Trace level 2 = Level 1 + CBS communications trace       -->
    <!--                 output.                                  -->
    <!-- Trace level 3 = Level 2 + API-level function entry/exit. -->
    <!-- Trace level 4 - 6 = More function entry/exit output.     -->
    <!--                                                          -->
    <!-- Values: 0-6                                              -->
    <!--                                                          -->
    <!-- Default = 0                                              -->

    <param name="TraceLevel">0</param>

    <!-- Section:  CBS Manager                                    -->
    <!--                                                          -->
    <!-- TraceFile                                                -->
    <!--                                                          -->
    <!-- Specifies the name of a file where trace output should   -->
    <!-- be written if none specified on the command-line.        -->

    <!--<param name="TraceFile">cbsmanager.trc</param>-->

</section>

<!-- End CBS Manager Section -->



<!-- ********************************************************** -->
<!-- * ESL Manager Configuration parameters                   * -->
<!-- ********************************************************** -->

<section name="ESL Manager">

    <!-- Section:  ESL Manager                                    -->
    <!--                                                          -->
    <!-- PeriodicVerify                                           -->
    <!--                                                          -->
    <!-- Whether the ESL Manager is enabled to schedule automatic -->
    <!-- periodic verifies.                                       -->
    <!--                                                          -->
    <!-- Values: 0(=disabled)/1(=enabled)                         -->
    <!--                                                          -->
    <!-- default = 1 (enabled)                                    -->

    <param name="PeriodicVerify">0</param>


    <!-- Section:  ESL Manager                                    -->
    <!--                                                          -->
    <!-- VerificationRecurrence                                   -->
    <!--                                                          -->
```

```
<!-- How often automatically scheduled Verifications take     -->
<!-- place (Price Verifier)                                   -->
<!--                                                          -->
<!-- Values:  valid time period specification                 -->
<!--                                                          -->
<!-- default = hourly (P0Y0M0DT1H0M0S)                        -->
<!--                                                          -->
<!-- Note: only used if PeriodicVerify is enabled             -->

<param name="VerificationRecurrence">P0Y0M0DT1H0M0S</param>


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- VerificationStartDate                                    -->
<!--                                                          -->
<!-- The effective start date of automatic verifications.     -->
<!-- Note that this parameter just gives a starting           -->
<!-- point for the recurrence.  It does not have to be        -->
<!-- absolute, nor does it have to be continuously updated.   -->
<!-- It simply gives A start date and time as a jumping off   -->
<!-- point for use with the associated recurrence.            -->
<!-- For example:  If the action is desired every Monday at   -->
<!-- 1am, then the recurrence would be P0Y0M7DT0H0M0S, and    -->
<!-- the start date could be ANY date in the past that        -->
<!-- happened to be a Monday, along with a time of 1am,       -->
<!-- say 20010205010000                                       -->
<!--                                                          -->
<!-- Values:  valid time stamp (YYYYMMDDhhmmss)               -->
<!--                                                          -->
<!-- default (if missing or invalid) = time config file read  -->
<!--                                                          -->
<!-- Note: only used if PeriodicVerify is enabled             -->

<!-- <param name="VerificationStartDate">20000101000000</param> -->


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- PeriodicExistenceBedcheck                                -->
<!--                                                          -->
<!-- Whether the ESL Manager is enabled to schedule automatic -->
<!-- periodic existence bedchecks.                            -->
<!--                                                          -->
<!-- Values: 0(=disabled)/1(=enabled)                         -->
<!--                                                          -->
<!-- default = 1 (enabled)                                    -->

<param name="PeriodicExistenceBedcheck">0</param>
```

```
<!-- Section:  ESL Manager                                      -->
<!--                                                            -->
<!-- ExistenceBedcheckRecurrence                                -->
<!--                                                            -->
<!-- How often automatically scheduled Existence Bedchecks      -->
<!-- take place                                                 -->
<!--                                                            -->
<!-- Values:  valid time period specification                   -->
<!--                                                            -->
<!-- default = weekly (P0Y0M7DT0H0M0S)                          -->
<!--                                                            -->
<!-- Note: only used if PeriodicExistenceBedcheck is enabled    -->

<param name="ExistenceBedcheckRecurrence">P0Y0M7DT0H0M0S</param>


<!-- Section:  ESL Manager                                      -->
<!--                                                            -->
<!-- ExistenceBedcheckStartDate                                 -->
<!--                                                            -->
<!-- The effective start date of automatic ExistenceBedchecks   -->
<!-- Note that this parameter just gives a starting             -->
<!-- point for the recurrence.  It does not have to be          -->
<!-- absolute, nor does it have to be continuously updated.     -->
<!-- It simply gives A start date and time as a jumping off     -->
<!-- point for use with the associated recurrence.              -->
<!-- For example:  If the action is desired every Monday at     -->
<!-- 1am, then the recurrence would be P0Y0M7DT0H0M0S, and      -->
<!-- the start date could be ANY date in the past that          -->
<!-- happened to be a Monday, along with a time of 1am,         -->
<!-- say 20010205010000                                         -->
<!--                                                            -->
<!-- Values:  valid time stamp (YYYYMMDDhhmmss)                 -->
<!--                                                            -->
<!-- default (if missing or invalid) = time config file read    -->
<!--                                                            -->
<!-- Note: only used if PeriodicExistenceBedcheck is enabled    -->

<!-- <param name="ExistenceBedcheckStartDate">20000101000000</param> -->


<!-- Section:  ESL Manager                                      -->
<!--                                                            -->
<!-- PeriodicHardwareBedcheck                                   -->
<!--                                                            -->
<!-- Whether the ESL Manager is enabled to schedule automatic   -->
<!-- periodic hardware  bedchecks.                              -->
<!--                                                            -->
<!-- Values: 0(=disabled)/1(=enabled)                           -->
```

```
<!--                                                              -->
<!-- default = 1 (enabled)                                        -->

<param name="PeriodicHardwareBedcheck">0</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- HardwareBedcheckRecurrence                                   -->
<!--                                                              -->
<!-- How often automatically scheduled Hardware Bedchecks         -->
<!-- take place                                                   -->
<!--                                                              -->
<!-- Values:  valid time period specification                     -->
<!--                                                              -->
<!-- default = monthly (P0Y1M0DT0H0M0S)                           -->
<!--                                                              -->
<!-- Note: only used if PeriodicHardwareBedcheck is enabled       -->

<param name="HardwareBedcheckRecurrence">P0Y1M0DT0H0M0S</param>



<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- HardwareBedcheckStartDate                                    -->
<!--                                                              -->
<!-- The effective start date of automatic HardwareBedchecks      -->
<!-- Note that this parameter just gives a starting               -->
<!-- point for the recurrence.  It does not have to be            -->
<!-- absolute, nor does it have to be continuously updated.       -->
<!-- It simply gives A start date and time as a jumping off       -->
<!-- point for use with the associated recurrence.                -->
<!-- For example:  If the action is desired every Monday at       -->
<!-- 1am, then the recurrence would be P0Y0M7DT0H0M0S, and        -->
<!-- the start date could be ANY date in the past that            -->
<!-- happened to be a Monday, along with a time of 1am,           -->
<!-- say 20010205010000                                           -->
<!--                                                              -->
<!-- Values:  valid time stamp (YYYYMMDDhhmmss)                   -->
<!--                                                              -->
<!-- default (if missing or invalid) = time config file read      -->
<!--                                                              -->
<!-- Note: only used if PeriodicHardwareBedcheck is enabled       -->

<!-- <param name="HardwareBedcheckStartDate">20000101000000</param> -->


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
```

```
<!-- PeriodicSumcheckBedcheck                                    -->
<!--                                                             -->
<!-- Whether the ESL Manager is enabled to schedule automatic    -->
<!-- periodic sumcheck  bedchecks.                               -->
<!--                                                             -->
<!-- Values:  valid time period specification                    -->
<!--                                                             -->
<!-- Values: 0(=disabled)/1(=enabled)                            -->
<!--                                                             -->
<!-- default = 1 (enabled)                                       -->

<param name="PeriodicSumcheckBedcheck">0</param>


<!-- Section:  ESL Manager                                       -->
<!--                                                             -->
<!-- SumcheckBedcheckRecurrence                                  -->
<!--                                                             -->
<!-- How often automatically scheduled Sumcheck (data)           -->
<!-- Bedchecks take place                                        -->
<!--                                                             -->
<!-- Values:  valid time period specification                    -->
<!--                                                             -->
<!-- default = daily (P0Y0M1DT0H0M0S)                            -->
<!--                                                             -->
<!-- Note: only used if PeriodicSumcheckBedcheck is enabled      -->

<param name="SumcheckBedcheckRecurrence">P0Y0M1DT0H0M0S</param>


<!-- Section:  ESL Manager                                       -->
<!--                                                             -->
<!-- SumcheckBedcheckStartDate                                   -->
<!--                                                             -->
<!-- The effective start date of automatic SumcheckBedchecks     -->
<!-- Note that this parameter just gives a starting              -->
<!-- point for the recurrence.  It does not have to be           -->
<!-- absolute, nor does it have to be continuously updated.      -->
<!-- It simply gives A start date and time as a jumping off      -->
<!-- point for use with the associated recurrence.               -->
<!-- For example:  If the action is desired every Monday at      -->
<!-- 1am, then the recurrence would be P0Y0M7DT0H0M0S, and       -->
<!-- the start date could be ANY date in the past that           -->
<!-- happened to be a Monday, along with a time of 1am,          -->
<!-- say 20010205010000                                          -->
<!--                                                             -->
<!-- Values:  valid time stamp (YYYYMMDDhhmmss)                  -->
<!--                                                             -->
<!-- default (if missing or invalid) = time config file read     -->
<!--                                                             -->
```

```
<!-- Note: only used if PeriodicSumcheckBedcheck is enabled   -->

<!-- <param name="SumcheckBedcheckStartDate">20000101000000</param> -->


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- TransactionRecordLifetime                                -->
<!--                                                          -->
<!-- How long after a transaction completes does              -->
<!-- the transaction record remain in the transaction log     -->
<!-- table?                                                   -->
<!--                                                          -->
<!-- Values:  valid time period specification                 -->
<!--                                                          -->
<!-- default = 2 hours (P0Y0M0DT2H0M0S)                       -->

<param name="TransactionRecordLifetime">P0Y0M0DT2H0M0S</param>


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- SuccessfulSpoolRecordLifetime                            -->
<!--                                                          -->
<!-- How long after a successful spool record completes       -->
<!-- does the spool log record remain in the spool log table? -->
<!-- Note that update image requests associated with spool    -->
<!-- records being deleted are deleted from the update image  -->
<!-- table                                                    -->
<!--                                                          -->
<!-- Values:  valid time period specification                 -->
<!--                                                          -->
<!-- default = 1 minute (P0Y0M0DT0H1M0S)                      -->

<param name="SuccessfulSpoolRecordLifetime">P0Y0M0DT0H1M0S</param>


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- ErroredSpoolRecordLifetime                               -->
<!--                                                          -->
<!-- How long after a spool record completes with errors      -->
<!-- does the spool log record remain in the spool log table? -->
<!-- Note that update image requests associated with spool    -->
<!-- records being deleted are deleted from the update image  -->
<!-- table                                                    -->
<!--                                                          -->
<!-- Values:  valid time period specification                 -->
<!--                                                          -->
<!-- default = 3 days (P0Y0M3DT0H0M0S)                        -->
```

```
<param name="ErroredSpoolRecordLifetime">P0Y0M3DT0H0M0S</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- MaxNumberUpdateRetries                                       -->
<!--                                                              -->
<!-- Maximum number of times an update request is retried         -->
<!-- at the ESL Manager level when errors occur.  After           -->
<!-- retries are exhausted, spool record is marked with last      -->
<!-- error received.  The record is always retried so that        -->
<!-- both the minimum number of retries have been done and so     -->
<!-- that the minimum retry period has elapsed, but retrying      -->
<!-- stops when either the maximum number of retries have         -->
<!-- have been done or the maximum retry period has elapsed,      -->
<!-- whichever comes first.                                       -->
<!--                                                              -->
<!-- Values:  non negative integer                                -->
<!--                                                              -->
<!-- default = 10                                                 -->

<param name="MaxNumberUpdateRetries">10</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- MaxUpdateRetryPeriod                                         -->
<!--                                                              -->
<!-- Maximum amount of time  an update request is retried         -->
<!-- at the ESL Manager level when errors occur.  After           -->
<!-- retries are exhausted, spool record is marked with last      -->
<!-- error received.  The record is always retried so that        -->
<!-- both the minimum number of retries have been done and so     -->
<!-- that the minimum retry period has elapsed, but retrying      -->
<!-- stops when either the maximum number of retries have         -->
<!-- have been done or the maximum retry period has elapsed,      -->
<!-- whichever comes first.                                       -->
<!--                                                              -->
<!-- Values:  valid time period specification                     -->
<!--                                                              -->
<!-- default = 10 minutes (P0Y0M0DT0H10M0S)                       -->

<param name="MaxUpdateRetryPeriod">PT10M</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- MinNumberUpdateRetries                                       -->
```

```
<!--                                                              -->
<!-- Minimum number of times an update request is retried         -->
<!-- at the ESL Manager level when errors occur.  After           -->
<!-- retries are exhausted, spool record is marked with last      -->
<!-- error received.  The record is always retried so that        -->
<!-- both the minimum number of retries have been done and so     -->
<!-- that the minimum retry period has elapsed, but retrying      -->
<!-- stops when either the maximum number of retries have         -->
<!-- have been done or the maximum retry period has elapsed,      -->
<!-- whichever comes first.                                       -->
<!--                                                              -->
<!-- Values:  non negative integer                                -->
<!--                                                              -->
<!-- default = 2                                                  -->

<param name="MinNumberUpdateRetries">2</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- MinUpdateRetryPeriod                                         -->
<!--                                                              -->
<!-- Minimum amount of time  an update request is retried         -->
<!-- at the ESL Manager level when errors occur.  After           -->
<!-- retries are exhausted, spool record is marked with last      -->
<!-- error received.  The record is always retried so that        -->
<!-- both the minimum number of retries have been done and so     -->
<!-- that the minimum retry period has elapsed, but retrying      -->
<!-- stops when either the maximum number of retries have         -->
<!-- have been done or the maximum retry period has elapsed,      -->
<!-- whichever comes first.                                       -->
<!--                                                              -->
<!-- Values:  valid time period specification                     -->
<!--                                                              -->
<!-- default = 1 second (P0Y0M0DT0H0M1S)                          -->

<param name="MinUpdateRetryPeriod">PT1S</param>



<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- MaxNumberBedcheckRetries                                     -->
<!--                                                              -->
<!-- Maximum number of times an Bedcheck request is retried       -->
<!-- at the ESL Manager level when errors occur.  After           -->
<!-- retries are exhausted, spool record is marked with last      -->
<!-- error received.  The record is always retried so that        -->
<!-- both the minimum number of retries have been done and so     -->
```

```
<!-- that the minimum retry period has elapsed, but retrying  -->
<!-- stops when either the maximum number of retries have     -->
<!-- have been done or the maximum retry period has elapsed,  -->
<!-- whichever comes first.                                   -->
<!--                                                          -->
<!-- Values:  non negative integer                            -->
<!--                                                          -->
<!-- default = 10                                             -->

<param name="MaxNumberBedcheckRetries">10</param>


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- MaxBedcheckRetryPeriod                                   -->
<!--                                                          -->
<!-- Maximum amount of time  an Bedcheck request is retried   -->
<!-- at the ESL Manager level when errors occur.  After       -->
<!-- retries are exhausted, spool record is marked with last  -->
<!-- error received.  The record is always retried so that    -->
<!-- both the minimum number of retries have been done and so -->
<!-- that the minimum retry period has elapsed, but retrying  -->
<!-- stops when either the maximum number of retries have     -->
<!-- have been done or the maximum retry period has elapsed,  -->
<!-- whichever comes first.                                   -->
<!--                                                          -->
<!-- Values:  valid time period specification                 -->
<!--                                                          -->
<!-- default = 10 minutes (P0Y0M0DT0H10M0S)                   -->

<param name="MaxBedcheckRetryPeriod">PT10M</param>


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- MinNumberBedcheckRetries                                 -->
<!--                                                          -->
<!-- Minimum number of times an Bedcheck request is retried   -->
<!-- at the ESL Manager level when errors occur.  After       -->
<!-- retries are exhausted, spool record is marked with last  -->
<!-- error received.  The record is always retried so that    -->
<!-- both the minimum number of retries have been done and so -->
<!-- that the minimum retry period has elapsed, but retrying  -->
<!-- stops when either the maximum number of retries have     -->
<!-- have been done or the maximum retry period has elapsed,  -->
<!-- whichever comes first.                                   -->
<!--                                                          -->
<!-- Values:  non negative integer                            -->
<!--                                                          -->
<!-- default = 2                                              -->
```

```
<param name="MinNumberBedcheckRetries">2</param>


<!-- Section:  ESL Manager                                          -->
<!--                                                                -->
<!-- MinBedcheckRetryPeriod                                         -->
<!--                                                                -->
<!-- Minimum amount of time  an Bedcheck request is retried         -->
<!-- at the ESL Manager level when errors occur.  After             -->
<!-- retries are exhausted, spool record is marked with last        -->
<!-- error received.  The record is always retried so that          -->
<!-- both the minimum number of retries have been done and so       -->
<!-- that the minimum retry period has elapsed, but retrying        -->
<!-- stops when either the maximum number of retries have           -->
<!-- have been done or the maximum retry period has elapsed,        -->
<!-- whichever comes first.                                         -->
<!--                                                                -->
<!-- Values:  valid time period specification                       -->
<!--                                                                -->
<!-- default = 1 second (P0Y0M0DT0H0M1S)                            -->

<param name="MinBedcheckRetryPeriod">PT1S</param>



<!-- Section:  ESL Manager                                          -->
<!--                                                                -->
<!-- MaxNumberFindRetries                                           -->
<!--                                                                -->
<!-- Maximum number of times an Find request is retried             -->
<!-- at the ESL Manager level when errors occur.  After             -->
<!-- retries are exhausted, spool record is marked with last        -->
<!-- error received.  The record is always retried so that          -->
<!-- both the minimum number of retries have been done and so       -->
<!-- that the minimum retry period has elapsed, but retrying        -->
<!-- stops when either the maximum number of retries have           -->
<!-- have been done or the maximum retry period has elapsed,        -->
<!-- whichever comes first.                                         -->
<!--                                                                -->
<!-- Values:  non negative integer                                  -->
<!--                                                                -->
<!-- default = 2                                                    -->

<param name="MaxNumberFindRetries">2</param>


<!-- Section:  ESL Manager                                          -->
<!--                                                                -->
```

```
<!-- MaxFindRetryPeriod                                          -->
<!--                                                            -->
<!-- Maximum amount of time  an Find request is retried         -->
<!-- at the ESL Manager level when errors occur.  After         -->
<!-- retries are exhausted, spool record is marked with last    -->
<!-- error received.  The record is always retried so that      -->
<!-- both the minimum number of retries have been done and so   -->
<!-- that the minimum retry period has elapsed, but retrying    -->
<!-- stops when either the maximum number of retries have       -->
<!-- have been done or the maximum retry period has elapsed,    -->
<!-- whichever comes first.                                     -->
<!--                                                            -->
<!-- Values:  valid time period specification                   -->
<!--                                                            -->
<!-- default = 5  minutes (P0Y0M0DT0H10M0S)                     -->

<param name="MaxFindRetryPeriod">PT5M</param>


<!-- Section:  ESL Manager                                      -->
<!--                                                            -->
<!-- MinNumberFindRetries                                       -->
<!--                                                            -->
<!-- Minimum number of times an Find request is retried         -->
<!-- at the ESL Manager level when errors occur.  After         -->
<!-- retries are exhausted, spool record is marked with last    -->
<!-- error received.  The record is always retried so that      -->
<!-- both the minimum number of retries have been done and so   -->
<!-- that the minimum retry period has elapsed, but retrying    -->
<!-- stops when either the maximum number of retries have       -->
<!-- have been done or the maximum retry period has elapsed,    -->
<!-- whichever comes first.                                     -->
<!--                                                            -->
<!-- Values:  non negative integer                              -->
<!--                                                            -->
<!-- default = 0                                                -->

<param name="MinNumberFindRetries">0</param>


<!-- Section:  ESL Manager                                      -->
<!--                                                            -->
<!-- MinFindRetryPeriod                                         -->
<!--                                                            -->
<!-- Minimum amount of time  an Find request is retried         -->
<!-- at the ESL Manager level when errors occur.  After         -->
<!-- retries are exhausted, spool record is marked with last    -->
<!-- error received.  The record is always retried so that      -->
<!-- both the minimum number of retries have been done and so   -->
<!-- that the minimum retry period has elapsed, but retrying    -->
```

```
<!-- stops when either the maximum number of retries have     -->
<!-- have been done or the maximum retry period has elapsed,  -->
<!-- whichever comes first.                                   -->
<!--                                                          -->
<!-- Values:  valid time period specification                 -->
<!--                                                          -->
<!-- default = 1 second (P0Y0M0DT0H0M1S)                      -->

<param name="MinFindRetryPeriod">PT1S</param>



<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- MaxNumberAssignRetries                                   -->
<!--                                                          -->
<!-- Maximum number of times an Assign request is retried     -->
<!-- at the ESL Manager level when errors occur.  After       -->
<!-- retries are exhausted, spool record is marked with last  -->
<!-- error received.  The record is always retried so that    -->
<!-- both the minimum number of retries have been done and so -->
<!-- that the minimum retry period has elapsed, but retrying  -->
<!-- stops when either the maximum number of retries have     -->
<!-- have been done or the maximum retry period has elapsed,  -->
<!-- whichever comes first.                                   -->
<!--                                                          -->
<!-- Values:  non negative integer                            -->
<!--                                                          -->
<!-- default = 10                                             -->

<param name="MaxNumberAssignRetries">10</param>


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- MaxAssignRetryPeriod                                     -->
<!--                                                          -->
<!-- Maximum amount of time  an Assign request is retried     -->
<!-- at the ESL Manager level when errors occur.  After       -->
<!-- retries are exhausted, spool record is marked with last  -->
<!-- error received.  The record is always retried so that    -->
<!-- both the minimum number of retries have been done and so -->
<!-- that the minimum retry period has elapsed, but retrying  -->
<!-- stops when either the maximum number of retries have     -->
<!-- have been done or the maximum retry period has elapsed,  -->
<!-- whichever comes first.                                   -->
<!--                                                          -->
<!-- Values:  valid time period specification                 -->
<!--                                                          -->
<!-- default = 10 minutes (P0Y0M0DT0H10M0S)                   -->
```

```
<param name="MaxAssignRetryPeriod">PT10M</param>


<!-- Section:  ESL Manager                                          -->
<!--                                                                -->
<!-- MinNumberAssignRetries                                         -->
<!--                                                                -->
<!-- Minimum number of times an Assign request is retried           -->
<!-- at the ESL Manager level when errors occur.  After             -->
<!-- retries are exhausted, spool record is marked with last        -->
<!-- error received.  The record is always retried so that          -->
<!-- both the minimum number of retries have been done and so       -->
<!-- that the minimum retry period has elapsed, but retrying        -->
<!-- stops when either the maximum number of retries have           -->
<!-- have been done or the maximum retry period has elapsed,        -->
<!-- whichever comes first.                                         -->
<!--                                                                -->
<!-- Values:  non negative integer                                  -->
<!--                                                                -->
<!-- default = 2                                                    -->

<param name="MinNumberAssignRetries">2</param>


<!-- Section:  ESL Manager                                          -->
<!--                                                                -->
<!-- MinAssignRetryPeriod                                           -->
<!--                                                                -->
<!-- Minimum amount of time  an Assign request is retried           -->
<!-- at the ESL Manager level when errors occur.  After             -->
<!-- retries are exhausted, spool record is marked with last        -->
<!-- error received.  The record is always retried so that          -->
<!-- both the minimum number of retries have been done and so       -->
<!-- that the minimum retry period has elapsed, but retrying        -->
<!-- stops when either the maximum number of retries have           -->
<!-- have been done or the maximum retry period has elapsed,        -->
<!-- whichever comes first.                                         -->
<!--                                                                -->
<!-- Values:  valid time period specification                       -->
<!--                                                                -->
<!-- default = 1 second (P0Y0M0DT0H0M1S)                            -->

<param name="MinAssignRetryPeriod">PT1S</param>
```

```
<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- MaxNumberForceSearchModeRetries                              -->
<!--                                                              -->
<!-- Maximum number of times an ForceSearchMode request is        -->
<!-- retried                                                      -->
<!-- at the ESL Manager level when errors occur.  After           -->
<!-- retries are exhausted, spool record is marked with last      -->
<!-- error received.  The record is always retried so that        -->
<!-- both the minimum number of retries have been done and so     -->
<!-- that the minimum retry period has elapsed, but retrying      -->
<!-- stops when either the maximum number of retries have         -->
<!-- have been done or the maximum retry period has elapsed,      -->
<!-- whichever comes first.                                       -->
<!--                                                              -->
<!-- Values:  non negative integer                                -->
<!--                                                              -->
<!-- default = 10                                                 -->

<param name="MaxNumberForceSearchModeRetries">10</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- MaxForceSearchModeRetryPeriod                                -->
<!--                                                              -->
<!-- Maximum number of times an ForceSearchMode request is        -->
<!-- retried                                                      -->
<!-- at the ESL Manager level when errors occur.  After           -->
<!-- retries are exhausted, spool record is marked with last      -->
<!-- error received.  The record is always retried so that        -->
<!-- both the minimum number of retries have been done and so     -->
<!-- that the minimum retry period has elapsed, but retrying      -->
<!-- stops when either the maximum number of retries have         -->
<!-- have been done or the maximum retry period has elapsed,      -->
<!-- whichever comes first.                                       -->
<!--                                                              -->
<!-- Values:  valid time period specification                     -->
<!--                                                              -->
<!-- default = 10 minutes (P0Y0M0DT0H10M0S)                       -->

<param name="MaxForceSearchModeRetryPeriod">PT10M</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- MinNumberForceSearchModeRetries                              -->
<!--                                                              -->
<!-- Maximum number of times an ForceSearchMode request is        -->
<!-- retried                                                      -->
```

```
<!-- at the ESL Manager level when errors occur.  After       -->
<!-- retries are exhausted, spool record is marked with last  -->
<!-- error received.  The record is always retried so that    -->
<!-- both the minimum number of retries have been done and so -->
<!-- that the minimum retry period has elapsed, but retrying  -->
<!-- stops when either the maximum number of retries have     -->
<!-- have been done or the maximum retry period has elapsed,  -->
<!-- whichever comes first.                                   -->
<!--                                                          -->
<!-- Values:  non negative integer                            -->
<!--                                                          -->
<!-- default = 2                                              -->

<param name="MinNumberForceSearchModeRetries">2</param>


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- MinForceSearchModeRetryPeriod                            -->
<!--                                                          -->
<!-- Maximum number of times an ForceSearchMode request is    -->
<!-- retried                                                  -->
<!-- at the ESL Manager level when errors occur.  After       -->
<!-- retries are exhausted, spool record is marked with last  -->
<!-- error received.  The record is always retried so that    -->
<!-- both the minimum number of retries have been done and so -->
<!-- that the minimum retry period has elapsed, but retrying  -->
<!-- stops when either the maximum number of retries have     -->
<!-- have been done or the maximum retry period has elapsed,  -->
<!-- whichever comes first.                                   -->
<!--                                                          -->
<!-- Values:  valid time period specification                 -->
<!--                                                          -->
<!-- default = 1 second (P0Y0M0DT0H0M1S)                      -->

<param name="MinForceSearchModeRetryPeriod">PT1S</param>


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- MaxCBSUpdateResponseWait                                 -->
<!--                                                          -->
<!-- How long does the ESL Manager wait for a "fire event"    -->
<!-- from the CBS Manager before explicit requesting the      -->
<!-- results of a spool log transaction?                      -->
<!--                                                          -->
<!-- Values:  valid time period specification                 -->
<!--                                                          -->
<!-- default = 5 minutes (P0Y0M0DT0H5M0S)                     -->
```

```
<param name="MaxCBSUpdateResponseWait">PT5M</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- SumcheckCorrectiveAction                                     -->
<!--                                                              -->
<!-- When a sumcheck (data) bedcheck fails, should corrective     -->
<!-- action be taken automatically?  If so, a FORCED update       -->
<!-- is issued for the ESL that failed.                           -->
<!--                                                              -->
<!-- Values: 0(=disabled)/1(=enabled)                             -->
<!--                                                              -->
<!-- default = 1 (enabled)                                        -->

<param name="SumcheckCorrectiveAction">1</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- PingUnresponsiveTags                                         -->
<!--                                                              -->
<!-- When tags fail to respond to a find command, should          -->
<!-- the tags be periodically "pinged" (i.e. another find         -->
<!-- issued) to see if the ESL comes back into communication?     -->
<!--                                                              -->
<!-- Values: 0(=disabled)/1(=enabled)                             -->
<!--                                                              -->
<!-- default = 1 (enabled)                                        -->

<param name="PingUnresponsiveTags">1</param>



<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- IgnoreUnresponsiveTags                                       -->
<!--                                                              -->
<!-- When tags fail to respond to a find command, they are        -->
<!-- marked as unresponsive.  Should such unresponsive tags       -->
<!-- be ignored for future updates, bedchecks, and verifies?      -->
<!-- It may be desirable to continue to send commands to          -->
<!-- unresponsive tags in cases of high noise, etc.               -->
<!--                                                              -->
<!-- Values: 0(=disabled)/1(=enabled)                             -->
<!--                                                              -->
<!-- default = 1 (enabled)                                        -->

<param name="IgnoreUnresponsiveTags">1</param>
```

```
<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- AutoFindAfterNoResponse                                      -->
<!--                                                              -->
<!-- When a tag gives no response after an update, bedcheck,     -->
<!-- or verify, should there be an automatic find to try to      -->
<!-- locate these tags?  It may be desirable to turn off auto    -->
<!-- find in coordination with turning off the                    -->
<!-- IgnoreUnresponsiveTags flag in situations with high          -->
<!-- noise.                                                       -->
<!--                                                              -->
<!-- Values: 0(=disabled)/1(=enabled)                             -->
<!--                                                              -->
<!-- default = 1 (enabled)                                        -->

<param name="AutoFindAfterNoResponse">1</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- SearchModeAfterNotFound                                      -->
<!--                                                              -->
<!-- When a tag gives no response after a find has been           -->
<!-- issued, should the ESL Manager send a command to try        -->
<!-- to place the tag in to search mode in an effort to           -->
<!-- reestablish communications (under the assumption that        -->
<!-- the tag may be able to hear the CBS but not vice versa)?     -->
<!--                                                              -->
<!-- Values: 0(=disabled)/1(=enabled)                             -->
<!--                                                              -->
<!-- default = 1 (enabled)                                        -->

<param name="SearchModeAfterNotFound">1</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- AutoAssignAfterFind                                          -->
<!--                                                              -->
<!-- When a tag is found after a find is issued, should an        -->
<!-- automatic assign be issued?                                  -->
<!--                                                              -->
<!-- Values: 0(=disabled)/1(=enabled)                             -->
<!--                                                              -->
<!-- default = 1 (enabled)                                        -->

<param name="AutoAssignAfterFind">1</param>
```

```
<!-- Section:  ESL Manager                                          -->
<!--                                                                -->
<!-- ForceSearchModeAfterFindFail                                   -->
<!--                                                                -->
<!-- When a tag does not respond to a find, should the ESL          -->
<!-- Manager send a command to force the tag to go into             -->
<!-- search mode?                                                   -->
<!--                                                                -->
<!-- Values: 0(=disabled)/1(=enabled)                               -->
<!--                                                                -->
<!-- default = 1 (enabled)                                          -->

<param name="ForceSearchModeAfterFindFail">1</param>



<!-- Section:  ESL Manager                                          -->
<!--                                                                -->
<!-- UnresponsiveTagRecurrence                                      -->
<!--                                                                -->
<!-- How often does the ESL Manager ping unresponsive tags?         -->
<!--                                                                -->
<!-- Values:  valid time period specification                       -->
<!--                                                                -->
<!-- default = daily (P0Y0M1DT0H0M0S)                               -->
<!--                                                                -->
<!-- Note: only used if PingUnresponseTags is enabled               -->

<param name="UnresponseTagRecurrence">P0Y0M1DTH0M0S</param>


<!-- Section:  ESL Manager                                          -->
<!--                                                                -->
<!-- UnresponsiveTagStartDate                                       -->
<!--                                                                -->
<!-- The effective start date of automatic UnresponsiveTags         -->
<!-- Note that this parameter just gives a starting                 -->
<!-- point for the recurrence.  It does not have to be              -->
<!-- absolute, nor does it have to be continuously updated.         -->
<!-- It simply gives A start date and time as a jumping off         -->
<!-- point for use with the associated recurrence.                  -->
<!-- For example:  If the action is desired every Monday at         -->
<!-- 1am, then the recurrence would be P0Y0M7DT0H0M0S, and          -->
<!-- the start date could be ANY date in the past that              -->
<!-- happened to be a Monday, along with a time of 1am,             -->
<!-- say 20010205010000                                             -->
<!--                                                                -->
<!-- Values:  valid time stamp (YYYYMMDDhhmmss)                     -->
<!--                                                                -->
```

```
<!-- default (if missing or invalid) = time config file read  -->
<!--                                                          -->
<!-- Note: only used if PingUnresponseTags is enabled         -->

<!-- <param name="UnresponsiveTagStartDate">20000101000000</param> -->


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- PriceChecking                                            -->
<!--                                                          -->
<!-- When tags receive successful notification of an update,  -->
<!-- should a follow-up sumcheck (data) bedcheck be issued    -->
<!-- to ensure the correct information is on the tag?         -->
<!--                                                          -->
<!-- Values: 0(=disabled)/1(=enabled)                         -->
<!--                                                          -->
<!-- default = 1 (enabled)                                    -->

<param name="PriceChecking">1</param>


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- DefaultUpdatePriority                                    -->
<!--                                                          -->
<!-- Default Priority to use for update transactions when     -->
<!-- no priority is specified.                                -->
<!--                                                          -->
<!-- Values:  integer 1 through 10, 1 being highest priority  -->
<!--                                                          -->
<!-- default = 3                                              -->

<param name="DefaultUpdatePriority">3</param>


<!-- Section:  ESL Manager                                    -->
<!--                                                          -->
<!-- DefaultBedcheckPriority                                  -->
<!--                                                          -->
<!-- Default Priority to use for Bedcheck transactions when   -->
<!-- no priority is specified.                                -->
<!--                                                          -->
<!-- Values:  integer 1 through 10, 1 being highest priority  -->
<!--                                                          -->
<!-- default = 5                                              -->

<param name="DefaultBedcheckPriority">5</param>
```

```
<!-- Section:  ESL Manager                                      -->
<!--                                                            -->
<!-- DefaultVerifyPriority                                      -->
<!--                                                            -->
<!-- Default Priority to use for Verify transactions when       -->
<!-- no priority is specified.                                  -->
<!--                                                            -->
<!-- Values:  integer 1 through 10, 1 being highest priority    -->
<!--                                                            -->
<!-- default = 7                                                -->

<param name="DefaultVerifyPriority">7</param>


<!-- Section:  ESL Manager                                      -->
<!--                                                            -->
<!-- DefaultFindPriority                                        -->
<!--                                                            -->
<!-- Default Priority to use for Find transactions when         -->
<!-- no priority is specified.                                  -->
<!--                                                            -->
<!-- Values:  integer 1 through 10, 1 being highest priority    -->
<!--                                                            -->
<!-- default = 10                                               -->

<param name="DefaultFindPriority">10</param>


<!-- Section:  ESL Manager                                      -->
<!--                                                            -->
<!-- DefaultAssignPriority                                      -->
<!--                                                            -->
<!-- Default Priority to use for Assign transactions when       -->
<!-- no priority is specified.                                  -->
<!--                                                            -->
<!-- Values:  integer 1 through 10, 1 being highest priority    -->
<!--                                                            -->
<!-- default = 3                                                -->

<param name="DefaultAssignTimeslotPriority">3</param>


<!-- Section:  ESL Manager                                      -->
<!--                                                            -->
<!-- DefaultForceSearchModePriority                             -->
<!--                                                            -->
<!-- Default Priority to use for forcing an ESL into search     -->
<!-- mode.                                                      -->
<!--                                                            -->
<!-- Values:  integer 1 through 10, 1 being highest priority    -->
```

```
<!--                                                              -->
<!-- default = 3                                                  -->

<param name ="DefaultForceSearchModePriority">3</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- TransactionResolveSleepTime                                  -->
<!--                                                              -->
<!-- The amount of time (in milliseconds) that the ESL            -->
<!-- Manager sleeps between ESL record processing during          -->
<!-- a transaction resolution.                                    -->
<!--                                                              -->
<!-- Values:  non-negative integer                                -->
<!--                                                              -->
<!-- default = 50                                                 -->

<param name="TransactionResolveSleepTime">50</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- TransactionThreadSleepTime                                   -->
<!--                                                              -->
<!-- The amount of time (in milliseconds) that the ESL            -->
<!-- Manager sleeps between transactions during high-level        -->
<!-- transaction processing.                                      -->
<!--                                                              -->
<!-- Values:  non-negative integer                                -->
<!--                                                              -->
<!-- default = 500                                                -->

<param name="TransactionThreadSleepTime">500</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- SpoolLogThreadSleepTime                                      -->
<!--                                                              -->
<!-- The amount of time (in milliseconds) that the ESL            -->
<!-- Manager sleeps between spool log transaction processing      -->
<!--                                                              -->
<!-- Values:  non-negative integer                                -->
<!--                                                              -->
<!-- default = 200                                                -->

<param name="SpoolLogThreadSleepTime">200</param>
```

```
<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- ProcessingThreadSleepTime                                    -->
<!--                                                              -->
<!-- The amount of time (in milliseconds) that the ESL            -->
<!-- Manager sleeps between processing CBS Manager requests       -->
<!--                                                              -->
<!-- Values:  non-negative integer                                -->
<!--                                                              -->
<!-- default = 0                                                  -->

<param name="ProcessingThreadSleepTime">0</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- MaxHistoryDepth                                              -->
<!--                                                              -->
<!-- The maximum history depth for any type of transaction        -->
<!-- sequence.                                                    -->
<!--                                                              -->
<!-- Values:  unsigned integer                                    -->
<!--                                                              -->
<!-- default = 10                                                 -->

<param name="MaxHistoryDepth">10</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
<!-- MaxAutofindSequence                                          -->
<!--                                                              -->
<!-- The maximum number of "autofind" sequences to be issues      -->
<!-- before stopping.  An autofind sequence consists of a         -->
<!-- find followed by an assign followed by an appropriate        -->
<!-- repeat of the original transaction (update,bedchk, etc.)    -->
<!-- Note that this is affected by MaxHistoryDepth, in that       -->
<!-- MaxHistoryDepth counts EVERY individual transaction and      -->
<!-- could cause stopping before MaxAutofindSequence is           -->
<!-- exhausted.                                                   -->
<!--                                                              -->
<!-- Values:  unsigned integer                                    -->
<!--                                                              -->
<!-- default = 1                                                  -->

<param name="MaxAutofindSequence">1</param>


<!-- Section:  ESL Manager                                        -->
<!--                                                              -->
```

```
<!-- MaxPricecheckCorrectiveDepth                                -->
<!--                                                            -->
<!-- The maximum number of pricecheck/corrective action tasks -->
<!-- to process before stopping.  Price checks and corrective -->
<!-- actions on sumchecks are related, in that one can        -->
<!-- eventually cause the other.                              -->
<!-- Note that this is affected by MaxHistoryDepth, in that   -->
<!-- MaxHistoryDepth counts EVERY individual transaction and  -->
<!-- could cause stopping before this parameter is exhausted. -->
<!--                                                            -->
<!-- Values:  unsigned integer                                -->
<!--                                                            -->
<!-- default = 3                                              -->

<param name="MaxPricecheckCorrectiveDepth">3</param>



<!-- Section:  ESL Manager                                      -->
<!--                                                            -->
<!-- MaxTransactionRecordBlock                                  -->
<!--                                                            -->
<!-- The maximum record block size for Transaction record     -->
<!-- sets.  The larger the number, the greater the memory     -->
<!-- usage, but the faster the processing.                    -->
<!--                                                            -->
<!-- Values:  unsigned integer                                -->
<!--                                                            -->
<!-- default = 128                                            -->

<param name="MaxTransactionRecordBlock">128</param>


<!-- Section:  ESL Manager                                      -->
<!--                                                            -->
<!-- MaxESLTransactionRecordBlock                               -->
<!--                                                            -->
<!-- The maximum record block size for ESLTransaction record  -->
<!-- sets.  The larger the number, the greater the memory     -->
<!-- usage, but the faster the processing.                    -->
<!--                                                            -->
<!-- Values:  unsigned integer                                -->
<!--                                                            -->
<!-- default = 128                                            -->

<param name="MaxESLTransactionRecordBlock">128</param>


<!-- Section:  ESL Manager                                      -->
<!--                                                            -->
```

```
    <!-- MaxTransactionRecordBlock                                  -->
    <!--                                                            -->
    <!-- The maximum record block size for ESL record               -->
    <!-- sets.  The larger the number, the greater the memory       -->
    <!-- usage, but the faster the processing.                      -->
    <!--                                                            -->
    <!-- Values:  unsigned integer                                  -->
    <!--                                                            -->
    <!-- default = 128                                              -->

    <param name="MaxESLRecordBlock">128</param>


    <!-- Section:  ESL Manager                                      -->
    <!--                                                            -->
    <!-- MaxUpdateImageAgeBeforeRefresh                             -->
    <!--                                                            -->
    <!-- When update requests are posted to the spool file, an      -->
    <!-- update image is also posted to the update image file and   -->
    <!-- represents the data obtained from the data reader.         -->
    <!-- Since the update image can get out of date, this           -->
    <!-- parameter gives the ability to specify how old an update   -->
    <!-- image may get before the ESL Manager refreshes the         -->
    <!-- update image with a fresh read from the data reader.  A    -->
    <!-- setting of all 0's forces the ESL Manager to request the   -->
    <!-- data from the data reader each time the update is sent.    -->
    <!--                                                            -->
    <!-- Values:  valid time period specification                   -->
    <!--                                                            -->
    <!-- default = 7 days (P0Y0M7DT0H0M0S)                          -->

    <param name="MaxUpdateImageAgeBeforeRefresh">P0Y0M7DTH0M0S</param>


    <!-- Section:  ESL Manager                                      -->
    <!--                                                            -->
    <!-- OperatingMode                                              -->
    <!--                                                            -->
    <!-- Mode the ESL Manager is operating in.                      -->
    <!--                                                            -->
    <!-- Values:  INSTALL or NORMAL                                 -->
    <!--                                                            -->
    <!-- default = NORMAL                                           -->
    <!--                                                            -->
    <!-- THIS PARAMETER IS MAINTAINED BY THE ESL MANAGER AND        -->
    <!-- SHOULD NOT BE MODIFIED.                                    -->

    <param name="OperatingMode">NORMAL</param>

</section>
```

```
 <!-- End ESL Manager Section -->

<!-- DecisioNet Console Section                                  -->
<section name="DecisioNet Console">

   <!-- TraceFileName                                             -->
   <!-- TraceLevel                                                -->
   <!-- Specifies the trace log filename and the logging level.   -->

   <param name="TraceFileName">dnConsoleTrace.trc</param>
   <param name="TraceLevel">0</param>

   <!-- ForcePrintEnabled                                         -->
   <!-- GCA parameter                                             -->
   <!-- Valid Values = 0 1                                        -->
   <!-- Default      = 0                                          -->

   <param name="ForcePrintEnabled">0</param>


   <!-- PrintOverlaysEnabled                                      -->
   <!-- Valid Values = 0 1                                        -->
   <!-- Default      = 0                                          -->
   <!-- controls whether the system provides the capability to    -->
   <!-- print overlays or reprint overlays                        -->

   <param name="PrintOverlaysEnabled">1</param>

   <!-- PriceLevel                                                -->
   <!-- Valid Values = 0 1                                        -->
   <!-- Default      = 0                                          -->
   <!-- controls whether the system provides input fields for     -->
   <!-- price level at the Link/Modify/Unlink screens             -->

   <param name="PriceLevel">0</param>

   <!-- PriceUnit                                                -->
   <!-- Valid Values = 0 1                                       -->
   <!-- Default      = 1                                         -->
   <!-- controls whether the system provides field for           -->
   <!-- unit at the Link/Modify/Unlink screens                   -->

   <param name="ProductUnit">1</param>

   <!-- ESLDefaultToProduct                                      -->
   <!-- Valid Values = 0 1                                       -->
   <!-- Default      = 1                                         -->
   <!-- controls whether the which field recieves input focus    -->
   <!-- Product Number or Serial Number on the                   -->
```

```
        <!-- Link/Modify/Unlink screens                                -->

        <param name="ESLDefaultToProduct">1</param>


        <!-- Report Sub Section -->
        <!-- After changing the SQL statement, please ensure to chg. -->
        <!-- displayed column headings in the verbage xml file too.  -->

        <!-- ReportSQL1                                               -->
        <!-- SQL query to generate the report                         -->

        <param name="ReportSQL1">select DATE_FORMAT(esl.LASTNORESPONSE,"%Y/%m/%d
%H:%i"), item.item_desc, HEX(esl.SERIAL_NUMBER),
location_description.location_name, esl.LINK_ID, esl.LINK_SUB_ID,
DATE_FORMAT(esl.LASTACKTIME,"%Y/%m/%d %H:%i"),
ELT(FIELD(esl.UNRESPONSIVE_FLAG,"1","0"),"UNRESPONSIVE","COMMUNICATING")
        from location_description, esl, item
        WHERE location_description.location_id = esl.esl_location_id
        AND esl.UNRESPONSIVE_FLAG = "1"
        AND item.item_id = esl.link_id
        AND item.item_sub_id = esl.link_sub_id</param>
        <!-- ReportSQL1SelectColumn                                   -->
        <!-- Valid Values = 0 1                                       -->
        <!-- Default      = 0                                         -->
        <!-- controls whether the checkbox is present in the first    -->
        <!-- column of the report                                     -->

        <param name="ReportSQL1SelectColumn">1</param>

        <!-- ReportSQL1KeyColumn                                      -->
        <!-- Valid Values = 0 .. nbr of columns in SQL query - 1      -->

        <param name="ReportSQL1KeyColumn">3</param>

        <!-- ReportSQL1Button                                         -->
        <!-- Valid Values = 0 1                                       -->
        <!-- Default      = 0                                         -->
        <!-- controls whether there is a button in addition to the    -->
        <!-- 'Cancel' button on the screen                            -->

        <param name="ReportSQL1Button">1</param>


        <!-- ReportSQL2                                               -->
        <!-- SQL query to generate the report                         -->

        <param name="ReportSQL2">select
DATE_FORMAT(spool_log.record_complete_date,"%Y/%m/%d %H:%i"),
DATE_FORMAT(spool_log.start_date,"%Y/%m/%d %H:%i"), item.item_desc,
```

```
HEX(spool_log.SERIAL_NUMBER), location_description.location_name,
spool_log.LINK_ID, spool_log.LINK_SUB_ID,
ELT(spool_log.record_type,"UPDATE","BEDCHECK","VERIFY","FIND","ASSIGN","SEARCH")
, HEX(spool_log.record_Status + 1)
       from location_description, spool_log, item, esl
       WHERE esl.serial_number = spool_log.serial_number
       AND location_description.location_id = esl.esl_location_id
       AND item.item_id = spool_log.link_id
       AND item.item_sub_id = spool_log.link_sub_id
       AND spool_log.record_status &lt; 0</param>

       <!-- ReportSQL2SelectColumn                                    -->
       <!-- Valid Values = 0 1                                        -->
       <!-- Default      = 0                                          -->
       <!-- controls whether the checkbox is present in the first     -->
       <!-- column of the report                                      -->

       <param name="ReportSQL2SelectColumn">1</param>

       <!-- ReportSQL2KeyColumn                                       -->
       <!-- Valid Values = 0 .. nbr of columns in SQL query - 1       -->

       <param name="ReportSQL2KeyColumn">4</param>

       <!-- ReportSQL2Button                                          -->
       <!-- Valid Values = 0 1                                        -->
       <!-- Default      = 0                                          -->
       <!-- controls whether there is a button in addition to the     -->
       <!-- 'Cancel' button on the screen                             -->

       <param name="ReportSQL2Button">1</param>


       <!-- ReportSQL3                                                -->
       <!-- SQL query to generate the report                          -->

       <param name="ReportSQL3">select DATE_FORMAT(esl.LASTNORESPONSE,"%Y/%m/%d
%H:%i"), item.item_desc, HEX(esl.SERIAL_NUMBER),
esl_type_description.esl_type_name, location_description.location_name,
esl.PREV_LINK_ID, esl.PREV_LINK_SUB_ID, DATE_FORMAT(esl.LASTACKTIME,"%Y/%m/%d
%H:%i"),
ELT(FIELD(esl.UNRESPONSIVE_FLAG,"1","0"),"UNRESPONSIVE","COMMUNICATING")
       from location_description, esl, item, esl_type_description
       WHERE location_description.location_id = esl.esl_location_id
       AND esl.Link_type_id = 0
       AND item.item_id = esl.prev_link_id
       AND item.item_sub_id = esl.prev_link_sub_id
       AND esl.serial_number &gt; esl_type_description.esl_type_low_serial
       AND esl.serial_number &lt;
esl_type_description.esl_type_high_serial</param>
```

```
        <!-- ReportSQL1SelectColumn                                    -->
        <!-- Valid Values = 0 1                                        -->
        <!-- Default      = 0                                          -->
        <!-- controls whether the checkbox is present in the first     -->
        <!-- column of the report                                      -->

        <param name="ReportSQL3SelectColumn">0</param>

        <!-- ReportSQL3KeyColumn                                       -->
        <!-- Valid Values = 0 .. nbr of columns in SQL query - 1       -->

        <param name="ReportSQL3KeyColumn">2</param>

        <!-- ReportSQL3Button                                          -->
        <!-- Valid Values = 0 1                                        -->
        <!-- Default      = 0                                          -->
        <!-- controls whether there is a button in addition to the     -->
        <!-- 'Cancel' button on the screen                             -->

        <param name="ReportSQL3Button">0</param>


        <!-- ReportSQL4                                                -->
        <!-- SQL query to generate the report                          -->

        <param name="ReportSQL4">select
DATE_FORMAT(spool_log.record_complete_date,"%Y/%m/%d %H:%i"),
DATE_FORMAT(spool_log.start_date,"%Y/%m/%d %H:%i"), item.item_desc,
HEX(spool_log.SERIAL_NUMBER), location_description.location_name,
spool_log.LINK_ID, spool_log.LINK_SUB_ID,
ELT(spool_log.record_type,"UPDATE","BEDCHECK","VERIFY","FIND","ASSIGN","SEARCH")
, ELT((spool_log.record_Status + 1),"SUCCESS","IN PROGRESS","PENDING")
        from location_description, spool_log, item, esl
        WHERE esl.serial_number = spool_log.serial_number
        AND location_description.location_id = esl.esl_location_id
        AND item.item_id = spool_log.link_id
        AND item.item_sub_id = spool_log.link_sub_id
        AND spool_log.record_status = 0</param>

        <!-- ReportSQL4SelectColumn                                    -->
        <!-- Valid Values = 0 1                                        -->
        <!-- Default      = 0                                          -->
        <!-- controls whether the checkbox is present in the first     -->
        <!-- column of the report                                      -->

        <param name="ReportSQL4SelectColumn">0</param>

        <!-- ReportSQL4KeyColumn                                       -->
        <!-- Valid Values = 0 .. nbr of columns in SQL query - 1       -->
```

```
        <param name="ReportSQL4KeyColumn">3</param>

        <!-- ReportSQL4Button                                          -->
        <!-- Valid Values = 0 1                                        -->
        <!-- Default      = 0                                          -->
        <!-- controls whether there is a button in addition to the     -->
        <!-- 'Cancel' button on the screen                             -->

        <param name="ReportSQL4Button">0</param>


        <!-- ReportSQL5                                                -->
        <!-- SQL query to generate the report                          -->

        <param name="ReportSQL5">select
DATE_FORMAT(spool_log.record_complete_date,"%Y/%m/%d %H:%i"),
DATE_FORMAT(spool_log.start_date,"%Y/%m/%d %H:%i"), item.item_desc,
HEX(spool_log.SERIAL_NUMBER), location_description.location_name,
spool_log.LINK_ID, spool_log.LINK_SUB_ID,
ELT(spool_log.record_type,"UPDATE","BEDCHECK","VERIFY","FIND","ASSIGN","SEARCH")
, ELT((spool_log.record_Status + 1),"SUCCESS","IN PROGRESS","PENDING")
        from location_description, spool_log, item, esl
        WHERE esl.serial_number = spool_log.serial_number
        AND location_description.location_id = esl.esl_location_id
        AND item.item_id = spool_log.link_id
        AND item.item_sub_id = spool_log.link_sub_id
        AND spool_log.record_status &gt; 0</param>

        <!-- ReportSQL5SelectColumn                                    -->
        <!-- Valid Values = 0 1                                        -->
        <!-- Default      = 0                                          -->
        <!-- controls whether the checkbox is present in the first     -->
        <!-- column of the report                                      -->

        <param name="ReportSQL5SelectColumn">0</param>

        <!-- ReportSQL5KeyColumn                                       -->
        <!-- Valid Values = 0 .. nbr of columns in SQL query - 1       -->

        <param name="ReportSQL5KeyColumn">3</param>

        <!-- ReportSQL5Button                                          -->
        <!-- Valid Values = 0 1                                        -->
        <!-- Default      = 0                                          -->
        <!-- controls whether there is a button in addition to the     -->
        <!-- 'Cancel' button on the screen                             -->

        <param name="ReportSQL5Button">0</param>
```

```
</section>
<!-- End DecisioNet Console Section                                -->

 <!-- Data Reader Configuration Parameters -->
 <section name="Data Reader">
     <!--  Number of digits after the decimal postion for the -->
     <!--  unit price field.                                  -->
     <!--  Valid Values:  0, 2, 3                             -->
     <param name="PriceDecimalPosition">2</param>

     <!--  Number of digits after the decimal postion for the -->
     <!--  price field.                                       -->
     <!--  Valid Values:  0, 2, 3                             -->
     <param name="UnitPriceDecimalPosition">2</param>

     <!--  Name of the debug file.  This will be created in   -->
     <!--  DecisioNet data directory.                         -->
     <param name="DebugFilename">DataReaderServer.log</param>

     <!--  Debug level                                        -->
     <!--  0 - None                                           -->
     <!--  1 - Errors                                         -->
     <!--  2 - Function Entry Points                          -->
     <!--  3 - Messaging Trace                                -->
     <!--  4 - Full Trace                                     -->
     <param name="DebugLevel">2</param>

     <!--  What should the tag display when prices are < 1.00?-->
     <!--  Valid Values: CentSign, LeadingZero, NoLeadingZero -->
     <!--  For instance, if the price is .90 in the U.S.      -->
     <!--  CentSign would display 90c where c is the cent sign-->
     <!--  LeadingZero would display 0.90                     -->
     <!--  NoLeadingZero would display .90                    -->
     <param name="PriceLessThanDollar">CentSign</param>

     <!--  What should the tag display when unit prices are   -->
     <!--  less than < 1.00?                                  -->
     <!--  Valid Values: CentSign, LeadingZero, NoLeadingZero -->
     <!--  For instance, if the unit price is .90 in the U.S. -->
     <!--  CentSign would display 90.0c where c is the cent   -->
     <!--  sign.                                              -->
     <!--  LeadingZero would display 0.90                     -->
     <!--  NoLeadingZero would display .90                    -->
     <param name="UnitPriceLessThanDollar">LeadingZero</param>

     <!--  What is the character used for a decimal separator -->
     <!--  Valid Values:  Comma, Period                       -->
     <param name="DecimalSymbol">Comma</param>

     <!--  What king of rounding method should be used for    -->
```

```
        <!--  price and unit price.                                -->
        <!--  Valid Values:  Normal, Up, Down                      -->
        <!--  For instance, the price or unit price is 3.555       -->
        <!--  Normal would display 3.56                            -->
        <!--  Up would display 3.56                                -->
        <!--  Down would display 3.55                              -->
        <param name="RoundingType">Normal</param>

    </section>


</config>
```

DecisioNet Task Manager Configuration file (`taskman.cfg`)

```
#
# This is the configuration file for the DecisioNet 3.0 Task Manager.
#

# FREQUENCY
#    specifies the number of MINUTES between each check of the
#    context directories for new or updated Task files.
#
#    Default if not specified is 1 minute.
FREQUENCY=1

# KILLINTERVAL
#    When Task Mgr. is requested to shut down, it first sends REQUESTS
#    to all the apps. to close themselves.  If after a while the apps
#    still have not closed themselves, TM kills them with an NT
#    "TerminateProcess()". KILLINTERVAL specifies how many seconds to wait
#    between asking the apps to close themselves and killing the remaining
#    alive apps.
#
#    Default if not specified is 15 seconds.
KILLINTERVAL=15

# DEADCHECK
#    specifies the number of seconds between each time TM checks to see
#    if any tasks have died.  This is needed because currently TM uses
#    a polling method to determine if tasks have died.  Normally, in NT
#    a "WaitForMultipleObjects()" would be executed on the process handles
#    of all the tasks, but that API can only handle a max of 64 handles. So
#    in order for TM to handle > 64 tasks, this method is used.  The number
#    should be an even divisor of 60 (number of seconds in a minute), and if
#    it is not, TM will round it UP to the NEXT even divisor of 60.
#
```

```
#    Default if not specified is 5 seconds.
DEADCHECK=3

# EXCEPTION
#    Specifies a default exception handler for tasks which don't have one
#    defined to that task in the task file.  Exception handlers are programs
#    which are run immediately if the main task dies and exits with a
#    non-zero status.  The exception handler will be run with the following
#    args passed to it (in addition to whatever args are specified in the
#    config file):
#
#        <exception hldr [any args]> <task exit code> <task #> <task cmd line>
#
#    Default is to NOT have a default exception handler
#
# EXCEPTION=excphdlr.exe -v (for example only - no such program exists)

# CONTEXT
#    Specifies a new context to Task Manager.  The context name must be
#    unique and not have any whitespace in it.  It MUST be followed by
#    a TFILES= keyword to specify where to get the task files for this
#    context.

# TFILES
#    Specifies a path and a file mask for finding valid task files for
#    the preceeding context.  If the path specified is not ABSOLUTE, ie.
#    it doesn't start with either a drive letter or a \, then the path
#    is relative from the DNET Data Directory (usually c:\DNET\data)
#
#    The mask specifies which files in that directory will be scanned for
#    task information.  Each file can have information about one or more
#    tasks, and there can be multiple task files in the directory.  Files
#    in the directory that do not match the mask are ignored.

CONTEXT=DNET
TFILES=dnet.tm\*.inf
CONTEXT=TASK_MANAGER
TFILES=taskman.tm\*.inf
```

DecisioNet Host Bridge Configuration file (dnhostbridge.xml)

```
<?xml version="1.0" standalone="yes"?>
<!DOCTYPE HostDataBridge SYSTEM "dnhostbridge.dtd">
<HostDataBridge>
<General
```

```
 DatabaseName="dnet"
 MaxRecordLength="4096"
 MaxFields="999"
 MaxFieldLen="256"
 Delimiter=","
 SleepTime="5"
 Verbose="No"></General>
 <FileDefinition
 TypeID="KVAT"
 FileName="KVATMOD"
 Description="Host Modification Data"
 Delimiter=",">
 <SendESLData
Enabled="No"
LinkID_Offset="1"
LinkID_StripCheckDigit="No"
LinkID_ZeroFill="Yes"
LinkID_Default=""
LinkSubID_Offset="2"
LinkSubID_StripCheckDigit="No"
LinkSubID_ZeroFill="Yes"
LinkSubID_Default=""
LinkType = "1"></SendESLData>
 <UpdateLabelRecord
Enabled="No"
LinkID_Offset="1"
LinkID_StripCheckDigit="No"
LinkID_Default=""
LinkID_ZeroFill="Yes"
LinkSubID_Offset="2"
LinkSubID_StripCheckDigit="No"
LinkSubID_ZeroFill="Yes"
LinkSubID_Default=""
LinkType = "1"></UpdateLabelRecord>
 <RecordDefinition
Table="ITEM"
Audit="Yes">
<Field
    Offset="1"
    Name="ITEM_ID"
    Type="CHAR(24)"
    Default=""
         PrimaryKey="Yes"
    ZeroFill="No"
    Length="24"
         OverlayPrint="Yes"
    IsLinkID="Yes"
         Required="Yes"></Field>
<Field
    Offset="0"
```

```
        Name="ITEM_SUB_ID"
        Type="CHAR(24)"
        Default="0"
        SecondaryKey="Yes"
        ZeroFill="No"
        Length="24"
        IsLinkSubID="Yes"
        OverlayPrint="No"
        Required="Yes"></Field>
    <Field
        Offset="15"
        Name="PACKAGE_SIZE"
        Type="DECIMAL(10,4)"
        Default="1.00"
             OverlayPrint="Yes"
        IsPackageSize="Yes"></Field>
    <Field
        Offset="0"
        Name="CONVERSION_FACTOR"
        Type="DECIMAL(10,4)"
        Default="1.00"
        OverlayPrint="Yes"
        IsMeasure="Yes"></Field>
    <Field
        Offset="7"
        Name="UOM_ID"
        Type="INT"
        Default=""
        OverlayPrint="Yes"
        IsHex="Yes"
        IsUnitOfMeasure="Yes"></Field>
    <Field
        Offset="4"
        Name="ITEM_DESC"
        Type="VARCHAR(50)"
        Default=""
        OverlayPrint="Yes"
        IsDescription="Yes"></Field>
    <Field
        Offset="8"
        Name="UOM_DESC"
        Type="VARCHAR(50)"
        Default=""
        OverlayPrint="Yes"
        IsDescription="Yes"></Field>
    </RecordDefinition>
</FileDefinition>
<FileDefinition
    TypeID="ITEM"
    FileName="ITEMMOD"
```

```
 Description="Host Modification Data"
 Delimiter=",">
 <SendESLData
Enabled="No"
LinkID_Offset="1"
LinkID_StripCheckDigit="No"
LinkID_ZeroFill="No"
LinkID_Default=""
LinkSubID_Offset="2"
LinkSubID_StripCheckDigit="No"
LinkSubID_ZeroFill="No"
LinkSubID_Default=""
LinkType = "1"></SendESLData>
 <UpdateLabelRecord
Enabled="No"
LinkID_Offset="1"
LinkID_StripCheckDigit="No"
LinkID_Default=""
LinkID_ZeroFill="No"
LinkSubID_Offset="2"
LinkSubID_StripCheckDigit="No"
LinkSubID_ZeroFill="No"
LinkSubID_Default=""
LinkType = "1"></UpdateLabelRecord>
 <RecordDefinition
Table="ITEM"
Audit="Yes">
<Field
    Offset="1"
    Name="ITEM_ID"
    Type="CHAR(24)"
    Default=""
         PrimaryKey="Yes"
    ZeroFill="No"
    Length="24"
         OverlayPrint="Yes"
    IsLinkID="Yes"
         Required="Yes"></Field>
<Field
    Offset="0"
    Name="ITEM_SUB_ID"
    Type="CHAR(24)"
    Default="0"
    SecondaryKey="Yes"
    ZeroFill="No"
    Length="24"
    IsLinkSubID="Yes"
    OverlayPrint="No"
    Required="Yes"></Field>
<Field
```

```
        Offset="2"
        Name="PACKAGE_SIZE"
        Type="DECIMAL(10,4)"
        Default="1.00"
             OverlayPrint="Yes"
        IsPackageSize="Yes"></Field>
    <Field
        Offset="4"
        Name="CONVERSION_FACTOR"
        Type="DECIMAL(10,4)"
        Default="1.00"
        OverlayPrint="Yes"
        IsMeasure="Yes"></Field>
    <Field
        Offset="3"
        Name="UOM_ID"
        Type="INT"
        Default=""
        OverlayPrint="Yes"
        IsUnitOfMeasure="Yes"></Field>
    <Field
        Offset="5"
        Name="ITEM_DESC"
        Type="VARCHAR(50)"
        Default=""
        OverlayPrint="Yes"
        IsDescription="Yes"></Field>
    </RecordDefinition>
</FileDefinition>
<FileDefinition
    TypeID="PRICE"
    FileName="PRICEMOD"
    Description="Price Modification Data"
    Delimiter=",">
    <SendESLData
   Enabled="Yes"
   LinkID_Offset="1"
   LinkID_StripCheckDigit="No"
   LinkID_ZeroFill="No"
   LinkID_Default=""
   LinkSubID_Offset="2"
   LinkSubID_StripCheckDigit="No"
   LinkSubID_ZeroFill="No"
   LinkSubID_Default=""
   LinkType = "1"></SendESLData>
    <UpdateLabelRecord
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   LinkID_Default=""
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     Description="PRE ESL Tag Modification Data"
     Delimiter=",">
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    LinkID_ZeroFill="No"
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    LinkSubID_ZeroFill="No"
    LinkSubID_Default=""
    LinkType = "1"></SendESLData>
     <RecordDefinition
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        Length="24"></Field>
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        Name="SERIAL_NUMBER"
        Type="INT"
        Default=""
        PrimaryKey="Yes"></Field>
    <Field
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        Name="ESL_LOCATION_ID"
        Type="INT"
        Default=""
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        Name="INSTALL_DATE"
        Type="DATETIME"
        Default="$(DATETIME)"></Field>
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        Name="ORPHAN_FLAG"
        Type="ENUM"
        Default="F"></Field>
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    FileName="ESLMOD"
    Description="Front Back Tag Modification Data"
    Delimiter=",">
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    LinkID_ZeroFill="No"
    LinkID_Default=""
    LinkSubID_Offset="0"
    LinkSubID_StripCheckDigit="Yes"
    LinkSubID_ZeroFill="No"
    LinkSubID_Default=""
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        Name="LINK_TYPE_ID"
        Type="SMALLINT"
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</FileDefinition>
</HostDataBridge>
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