Perfil del dispositivo

Controlador DNP3 para la CIAA

Historial de revisiones

Nombre	Fecha	Descripción de los cambios	Versión
Amaury Jimenez	29/11/16	Emisión inicial	0

```xml
<?xml version="1.0" encoding="utf-8"?>
<?xml-stylesheet type='text/xsl' href='DNP3DeviceProfileJuly2012.xslt' media='screen'?>
<!--DNP3 Device Profile-->
<DNP3DeviceProfileDocument schemaVersion="2.08.00"
xmlns="http://www.dnp3.org/DNP3/DeviceProfile/July2012">
  <!--Document Header-->
  <documentHeader>
    <documentName>CIAA profile</documentName>
    <documentDescription>Computadora Industrial Abierta Argentina</documentDescription>
    <!--Revision History-->
    <revisionHistory version="1">
      <date>2016-12-09</date>
      <author>M. Sebastián Tobar</author>
      <reason>Proyecto "Controlador DNP3 para la CIAA"</reason>
    </revisionHistory>
  </documentHeader>
  <!--Reference Device-->
  <referenceDevice>
    <!--1) DNP3 Configuration-->
    <configuration>
      <!--1.1) Device Configuration-->
      <deviceConfig>
        <!--1.1.1) Device Function-->
        <deviceFunction>
          <capabilities>
            <outstation />
          </capabilities>
          <currentValue>
            <outstation />
          </currentValue>
          <!--Configuration Methods-->
          <methods />
        </deviceFunction>
        <!--1.1.2) Vendor Name-->
        <vendorName>
          <currentValue>
            <value>Proyecto CIAA</value>
          </currentValue>
        </vendorName>
        <!--1.1.3) Device Name-->
        <deviceName>
          <currentValue>
            <value>CIAA</value>
          </currentValue>
        </deviceName>
        <!--1.1.4) Hardware Version-->
        <hardwareVersion>
          <currentValue>
            <value>N/A</value>
          </currentValue>
        </hardwareVersion>
        <!--1.1.5) Software Version-->
        <softwareVersion>
          <currentValue>
            <value>0</value>
          </currentValue>
        </softwareVersion>
        <!--1.1.6) Document Version Number-->
        <documentVersionNumber>
          <currentValue>
            <value>0</value>
          </currentValue>
        </documentVersionNumber>
        <!--1.1.7) DNP Levels Supported For-->
        <dnpLevelSupported>
          <capabilities>
            <outStation>
              <none />
              <level1 />
            </outStation>
          </capabilities>
          <currentValue>
            <outStation />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
```

```
      </dnpLevelSupported>
      <!--1.1.8) Supported Function Blocks-->
      <supportedFunctionBlocks>
        <capabilities />
        <currentValue />
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </supportedFunctionBlocks>
      <!--1.1.9) Notable Additions-->
      <notableAdditions>
        <capabilities />
        <currentValue />
        <!--Configuration Methods-->
        <methods />
      </notableAdditions>
      <!--1.1.10) Methods To Set Configurable Parameters-->
      <configurationMethods>
        <capabilities>
          <proprietaryFileViaOtherTransportMechanism />
          <protocol />
        </capabilities>
        <currentValue>
          <proprietaryFileViaOtherTransportMechanism />
          <protocol />
        </currentValue>
        <!--Configuration Methods-->
        <methods />
      </configurationMethods>
      <!--1.1.11) DNP3 XML Files Available On-Line-->
      <onlineXmlFileNames>
        <capabilities />
        <currentValue />
        <!--Configuration Methods-->
        <methods />
      </onlineXmlFileNames>
      <!--1.1.12) DNP3 XML Files Available Off-Line-->
      <offlineXmlFileNames>
        <capabilities />
        <currentValue />
        <!--Configuration Methods-->
        <methods />
      </offlineXmlFileNames>
      <!--1.1.13) Connections Supported-->
      <connectionsSupported>
        <capabilities>
          <serial />
        </capabilities>
        <currentValue>
          <serial />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </connectionsSupported>
    </deviceConfig>
    <!--1.2) Serial Connection Capabilities-->
    <serialConfig>
      <!--1.2.1) Port Name-->
      <portName>
        <currentValue>
          <value>UART2</value>
        </currentValue>
      </portName>
      <!--1.2.2) Serial Connection Parameters-->
      <serialParameters>
        <capabilities>
          <note>Implemented in Target Layer</note>
          <asynchronous />
        </capabilities>
        <currentValue>
          <asynchronous />
        </currentValue>
        <!--Configuration Methods-->
        <methods />
      </serialParameters>
      <!--1.2.3) Baud Rate-->
```

```
        <baudRate>
          <capabilities>
            <note>Implemented in Target Layer</note>
            <fixed>9600</fixed>
            <range>
              <minimum>1</minimum>
              <maximum>115200</maximum>
            </range>
          </capabilities>
          <currentValue>
            <value>9600</value>
          </currentValue>
          <!--Configuration Methods-->
          <methods />
        </baudRate>
        <!--1.2.4) Flow Control-->
        <flowControl>
          <capabilities>
            <none />
            <rs232Options>
              <requiresCTSBeforeTx />
              <requiresDCDBeforeTx />
              <requiresDSRBeforeTx />
              <requiresRIBeforeTx />
              <requiresCTSBeforeRx />
              <requiresDCDBeforeRx />
              <requiresDSRBeforeRx />
              <requiresRIBeforeRx />
            </rs232Options>
            <rs422Options />
            <rs485Options />
            <other>
              <explanation>Sofware</explanation>
            </other>
          </capabilities>
          <currentValue>
            <none />
            <rs232Options>
              <other>
                <explanation />
              </other>
            </rs232Options>
            <rs422Options />
            <rs485Options>
              <other>
                <explanation />
              </other>
            </rs485Options>
          </currentValue>
          <!--Configuration Methods-->
          <methods />
        </flowControl>
        <!--1.2.5) Link Status Interval-->
        <linkStatusInterval>
          <capabilities>
            <notSupported />
          </capabilities>
          <currentValue>
            <notSupported />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </linkStatusInterval>
        <!--1.2.6) Supports DNP3 Collision Avoidance-->
        <supportsCollisionAvoidance>
          <capabilities>
            <no />
          </capabilities>
          <currentValue>
            <no />
          </currentValue>
          <!--Configuration Methods-->
          <methods />
        </supportsCollisionAvoidance>
        <!--1.2.7) Receiver Inter-character Timeout-->
        <interCharacterTimeout>
          <capabilities>
```

```
        <notChecked />
      </capabilities>
      <currentValue>
        <notChecked />
      </currentValue>
      <!--Configuration Methods-->
      <methods />
    </interCharacterTimeout>
    <!--1.2.8) Inter-character gaps in transmission-->
    <interCharacterGap>
      <capabilities>
        <none />
      </capabilities>
      <currentValue>
        <none />
      </currentValue>
      <!--Configuration Methods-->
      <methods />
    </interCharacterGap>
  </serialConfig>
  <!--1.4) Data Link Layer Capabilities-->
  <linkConfig>
    <!--1.4.1) Data Link Address-->
    <dataLinkAddress>
      <capabilities>
        <fixed>0</fixed>
        <range>
          <minimum>0</minimum>
          <maximum>65519</maximum>
        </range>
      </capabilities>
      <currentValue>
        <value>4</value>
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </dataLinkAddress>
    <!--1.4.2) DNP3 Source Address Validation-->
    <sourceAddressValidation>
      <capabilities>
        <never />
        <alwaysSingleAddress />
      </capabilities>
      <currentValue>
        <never />
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </sourceAddressValidation>
    <!--1.4.3) DNP3 Source Address Expected When Validation is Enabled-->
    <expectedSourceAddress>
      <capabilities>
        <range>
          <minimum>0</minimum>
          <maximum>65519</maximum>
        </range>
      </capabilities>
      <currentValue>
        <value>3</value>
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </expectedSourceAddress>
    <!--1.4.4) Self Address Support Using Address 0xFFFC-->
    <selfAddressSupport>
      <capabilities>
        <yes />
        <no />
      </capabilities>
      <currentValue>
        <no />
      </currentValue>
      <!--Configuration Methods-->
```

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      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </selfAddressSupport>
    <!--1.4.5) Sends Confirmed User Data Frames-->
    <sendsConfirmedUserDataFrames>
      <capabilities>
        <never />
        <always />
      </capabilities>
      <currentValue>
        <never />
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </sendsConfirmedUserDataFrames>
    <!--1.4.6) Data Link Layer Confirmation Timeout-->
    <linkLayerConfirmTimeout>
      <capabilities>
        <range>
          <minimum>0</minimum>
          <maximum>2147483647</maximum>
        </range>
      </capabilities>
      <currentValue>
        <value>2000</value>
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </linkLayerConfirmTimeout>
    <!--1.4.7) Maximum Data Link Retries-->
    <maxDataLinkRetries>
      <capabilities>
        <range>
          <minimum>0</minimum>
          <maximum>255</maximum>
        </range>
      </capabilities>
      <currentValue>
        <value>3</value>
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </maxDataLinkRetries>
    <!--1.4.8) Max Number of Octets Transmitted in a Data Link Frame-->
    <maxTransmittedFrameSize>
      <capabilities>
        <range>
          <minimum>28</minimum>
          <maximum>292</maximum>
        </range>
      </capabilities>
      <currentValue>
        <value>292</value>
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </maxTransmittedFrameSize>
    <!--1.4.9) Max Number of Octets that can be Received in a Data Link Frame-->
    <maxReceivedFrameSize>
      <capabilities>
        <range>
          <minimum>28</minimum>
          <maximum>292</maximum>
        </range>
      </capabilities>
      <currentValue>
        <value>292</value>
      </currentValue>
      <!--Configuration Methods-->
      <methods>
```

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          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </maxReceivedFrameSize>
    </linkConfig>
    <!--1.5) Application Layer Capabilities-->
    <applConfig>
    <!--1.5.1) Maximum number of octets Transmitted In An Application Layer Fragment
other than File Transfer-->
      <maxTransmittedFragmentSize>
        <capabilities>
          <range>
            <minimum>256</minimum>
            <maximum>65535</maximum>
          </range>
        </capabilities>
        <currentValue>
          <value>2048</value>
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </maxTransmittedFragmentSize>
      <!--1.5.2) Maximum number of octets Transmitted in an Application Layer Fragment
containing File Transfer-->
      <maxFileTransferTransmittedFragmentSize>
        <capabilities>
          <range>
            <minimum>256</minimum>
            <maximum>65535</maximum>
          </range>
        </capabilities>
        <currentValue>
          <value>2048</value>
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </maxFileTransferTransmittedFragmentSize>
      <!--1.5.3) Maximum Number of Octets that can be Received in an Application Layer
Fragment-->
      <maxReceivedFragmentSize>
        <capabilities>
          <range>
            <minimum>256</minimum>
            <maximum>65535</maximum>
          </range>
        </capabilities>
        <currentValue>
          <value>2048</value>
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </maxReceivedFragmentSize>
      <!--1.5.4) Timeout Waiting for Complete Application Layer Fragment (ms)-->
      <fragmentTimeout>
        <capabilities>
          <none />
        </capabilities>
        <currentValue>
          <none />
        </currentValue>
        <!--Configuration Methods-->
        <methods />
      </fragmentTimeout>
      <!--1.5.5) Maximum Number of Objects Allowed in a Single Control Request for CROB-->
      <maxObjectsInCROBControlRequest>
        <capabilities>
          <range>
            <minimum>1</minimum>
            <maximum>512</maximum>
          </range>
        </capabilities>
        <currentValue>
          <value>10</value>
        </currentValue>
```

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          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </maxObjectsInCROBControlRequest>
        <!--1.5.6) Maximum Number of Objects Allowed in a Single Control Request for Analog
Outputs-->
        <maxObjectsInAnalogOutputControlRequest>
          <capabilities>
            <range>
              <minimum>1</minimum>
              <maximum>512</maximum>
            </range>
          </capabilities>
          <currentValue>
            <value>10</value>
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </maxObjectsInAnalogOutputControlRequest>
        <!--1.5.7) Maximum Number of Objects Allowed in a Single Control Request for Data
Sets-->
        <maxObjectsInDataSetsControlRequest>
          <capabilities>
            <range>
              <minimum>1</minimum>
              <maximum>128</maximum>
            </range>
          </capabilities>
          <currentValue>
            <value>8</value>
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </maxObjectsInDataSetsControlRequest>
        <!--1.5.8) Supports Mixing Object Groups (AOBs, CROBs, and Data Sets) in the Same
Control Request-->
        <supportsMixedObjectGroupsInControlRequest>
          <capabilities>
            <yes />
            <no />
          </capabilities>
          <currentValue>
            <yes />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </supportsMixedObjectGroupsInControlRequest>
      </applConfig>
      <!--1.7) Outstation Configuration-->
      <outstationConfig>
        <!--1.7.1) Timeout Waiting for Application Confirm of Solicited Response Message
(ms)-->
        <applicationLayerConfirmTimeout>
          <capabilities>
            <range>
              <minimum>0</minimum>
              <maximum>2147483647</maximum>
            </range>
          </capabilities>
          <currentValue>
            <value>10000</value>
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </applicationLayerConfirmTimeout>
        <!--1.7.2) How often is Time Synchronization Required from the Master-->
        <timeSyncRequired>
          <capabilities>
            <never />
            <periodicallyFixed>1800</periodicallyFixed>
```

```
    </capabilities>
    <currentValue>
      <periodically>1800</periodically>
    </currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
</timeSyncRequired>
<!--1.7.3) Device Trouble Bit IIN 1.6-->
<deviceTroubleBit>
    <capabilities>
      <neverUsed />
      <reasonForSetting>
        <explanation>application can decide</explanation>
      </reasonForSetting>
    </capabilities>
    <currentValue>
      <neverUsed />
    </currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
</deviceTroubleBit>
<!--1.7.4) File Handle Timeout-->
<fileHandleTimeout>
    <capabilities>
      <range>
        <minimum>0</minimum>
        <maximum>2147483647</maximum>
      </range>
    </capabilities>
    <currentValue>
      <value>60000</value>
    </currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
</fileHandleTimeout>
<!--1.7.5) Event Buffer Overflow Behavior-->
<eventBufferOverflowBehavior>
    <capabilities>
      <discardOldest />
      <discardNewest />
    </capabilities>
    <currentValue>
      <discardOldest />
    </currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
</eventBufferOverflowBehavior>
<!--1.7.6) Event Buffer Organization-->
<eventBufferOrganization>
    <capabilities>per Object Group</capabilities>
    <currentValue>per Object Group</currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
</eventBufferOrganization>
<!--1.7.7) Sends Multi-Fragment Responses-->
<sendsMultiFragmentResponses>
    <capabilities>
      <no />
      <yes />
    </capabilities>
    <currentValue>
      <yes />
    </currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
</sendsMultiFragmentResponses>
<!--1.7.8) Last Fragment Confirmation-->
```

```xml
            <requestsLastFragmentConfirmation>
              <capabilities>
                <sometimes>
                  <explanation>Only when it contains events</explanation>
                </sometimes>
              </capabilities>
              <currentValue>
                <sometimes>
                  <explanation>Only when it contains events</explanation>
                </sometimes>
              </currentValue>
              <!--Configuration Methods-->
              <methods />
            </requestsLastFragmentConfirmation>
            <!--1.7.9) DNP Command Settings Preserved Through a Device Restart-->
            <settingsPreservedThroughDeviceRestart>
              <capabilities>
                <assignClass />
                <analogDeadbands />
                <dataSetPrototypes />
                <dataSetDescriptors />
                <FC31ActivateConfiguration />
              </capabilities>
              <currentValue />
              <!--Configuration Methods-->
              <methods>
                <proprietaryFileViaOtherTransportMechanism />
              </methods>
            </settingsPreservedThroughDeviceRestart>
          </outstationConfig>
          <!--1.8) Outstation Unsolicited Response Support-->
          <unsolicitedConfig>
            <!--1.8.1) Supports Unsolicited Reporting-->
            <supportsUnsolicitedReporting>
              <capabilities>
                <notSupported />
              </capabilities>
              <currentValue />
              <!--Configuration Methods-->
              <methods>
                <proprietaryFileViaOtherTransportMechanism />
              </methods>
            </supportsUnsolicitedReporting>
            <!--1.8.2) Master Data Link Address-->
            <masterDataLinkAddress>
              <capabilities>
                <range>
                  <minimum>0</minimum>
                  <maximum>65519</maximum>
                </range>
              </capabilities>
              <currentValue>
                <value>8</value>
              </currentValue>
              <!--Configuration Methods-->
              <methods>
                <proprietaryFileViaOtherTransportMechanism />
              </methods>
            </masterDataLinkAddress>
            <!--1.8.3) Unsolicited Response Confirmation Timeout-->
            <unsolicitedResponseConfirmationTimeout>
              <capabilities />
              <currentValue>
                <value />
              </currentValue>
              <!--Configuration Methods-->
              <methods>
                <proprietaryFileViaOtherTransportMechanism />
              </methods>
            </unsolicitedResponseConfirmationTimeout>
            <!--1.8.4) Number of Unsolicited Retries-->
            <maxUnsolicitedRetries>
              <capabilities>
                <none />
              </capabilities>
              <currentValue>
                <none />
              </currentValue>
              <!--Configuration Methods-->
```

```
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </maxUnsolicitedRetries>
  </unsolicitedConfig>
  <!--1.9) Outstation Unsolicited Response Trigger Conditions-->
  <unsolicitedResponseTriggerConditions>
    <!--1.9.1) Number of Class 1 Events-->
    <numberOfClassOneEvents>
      <capabilities>
        <notUsedToTriggerEvents />
      </capabilities>
      <currentValue>
        <notUsedToTriggerEvents />
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </numberOfClassOneEvents>
    <!--1.9.2) Number of Class 2 Events-->
    <numberOfClassTwoEvents>
      <capabilities>
        <notUsedToTriggerEvents />
      </capabilities>
      <currentValue>
        <notUsedToTriggerEvents />
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </numberOfClassTwoEvents>
    <!--1.9.3) Number of Class 3 Events-->
    <numberOfClassThreeEvents>
      <capabilities>
        <notUsedToTriggerEvents />
      </capabilities>
      <currentValue>
        <notUsedToTriggerEvents />
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </numberOfClassThreeEvents>
    <!--1.9.4) Total Number of Events from Any Class-->
    <totalNumberOfClassEvents>
      <capabilities>
        <notUsedToTriggerEvents />
      </capabilities>
      <currentValue>
        <notUsedToTriggerEvents />
      </currentValue>
      <!--Configuration Methods-->
      <methods />
    </totalNumberOfClassEvents>
    <!--1.9.5) Hold Time After Class 1 Event (ms)-->
    <holdTimeAfterClassOneEvent>
      <capabilities>
        <notUsedToTriggerEvents />
      </capabilities>
      <currentValue>
        <notUsedToTriggerEvents />
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </holdTimeAfterClassOneEvent>
    <!--1.9.6) Hold Time After Class 2 Event (ms)-->
    <holdTimeAfterClassTwoEvent>
      <capabilities>
        <notUsedToTriggerEvents />
      </capabilities>
      <currentValue>
        <notUsedToTriggerEvents />
      </currentValue>
      <!--Configuration Methods-->
```

```xml
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </holdTimeAfterClassTwoEvent>
    <!--1.9.7) Hold Time After Class 3 Event (ms)-->
    <holdTimeAfterClassThreeEvent>
      <capabilities>
        <notUsedToTriggerEvents />
      </capabilities>
      <currentValue>
        <notUsedToTriggerEvents />
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </holdTimeAfterClassThreeEvent>
    <!--1.9.8) Hold Time After Event Assigned to Any Class-->
    <holdTimeAfterAnyEvent>
      <capabilities>
        <notUsedToTriggerEvents />
      </capabilities>
      <currentValue>
        <notUsedToTriggerEvents />
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </holdTimeAfterAnyEvent>
    <!--1.9.9) Retrigger Hold Timer-->
    <retriggerHoldTimer>
      <capabilities>
        <notRetriggeredForEachNewEvent />
      </capabilities>
      <currentValue>
        <notRetriggeredForEachNewEvent />
      </currentValue>
      <!--Configuration Methods-->
      <methods />
    </retriggerHoldTimer>
    <!--1.9.10) Other Unsolicited Response Trigger Conditions-->
    <otherTriggerConditions>
      <capabilities />
      <currentValue />
      <!--Configuration Methods-->
      <methods />
    </otherTriggerConditions>
  </unsolicitedResponseTriggerConditions>
  <!--1.10) Outstation Performance-->
  <outstationPerformance>
    <!--1.10.1) Maximum Time Base Drift (milliseconds per minute)-->
    <maxTimeBaseDrift>
      <capabilities />
      <currentValue>
        <other>
          <description />
        </other>
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </maxTimeBaseDrift>
    <!--1.10.2) When Does Outstation Set IIN 1.4-->
    <outstationSetsIIN14>
      <capabilities />
      <currentValue>
        <afterLastTimeSync>108000</afterLastTimeSync>
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </outstationSetsIIN14>
    <!--1.10.3) Maximum Internal Time Reference Error When set Via DNP (ms)-->
    <referenceErrorViaDNP>
      <capabilities />
      <currentValue
```

```
          <value>0</value>
        </currentValue>
        <!--Configuration Methods-->
        <methods />
      </referenceErrorViaDNP>
      <!--1.10.4) Maximum Delay Measurement Error (ms)-->
      <delayMeasurementError>
        <capabilities />
        <currentValue>
          <value>0</value>
        </currentValue>
        <!--Configuration Methods-->
        <methods />
      </delayMeasurementError>
      <!--1.10.5) Maximum Response Time (ms)-->
      <responseTime>
        <capabilities />
        <currentValue>
          <value>0</value>
        </currentValue>
        <!--Configuration Methods-->
        <methods />
      </responseTime>
      <!--1.10.6) Maximum Time From Startup to IIN 1.4 Assertion (ms)-->
      <startupToIIN14>
        <capabilities />
        <currentValue>
          <value>0</value>
        </currentValue>
        <!--Configuration Methods-->
        <methods />
      </startupToIIN14>
      <!--1.10.7) Maximum Event Time-tag Error for Local Binary and Double Bit I/O (ms)-->
      <binaryOrDoubleBitEventError>
        <capabilities />
        <currentValue>
          <value>0</value>
        </currentValue>
        <!--Configuration Methods-->
        <methods />
      </binaryOrDoubleBitEventError>
      <!--1.10.8) Maximum Event Time-tag Error for Local I/O Other Than Binary and Double
Bit Data Types (ms)-->
      <nonBinaryOrDoubleBitEventError>
        <capabilities />
        <currentValue>
          <value>0</value>
        </currentValue>
        <!--Configuration Methods-->
        <methods />
      </nonBinaryOrDoubleBitEventError>
    </outstationPerformance>
    <!--1.11) Record Individual Field Outstation Parameters-->
    <fieldConfig>
      <!--1.11.1) User Assigned Location Name or Code String-->
      <outstationLocation>
        <currentValue />
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </outstationLocation>
      <!--1.11.2) User Assigned ID Code/Number String-->
      <outstationId>
        <currentValue />
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </outstationId>
      <!--1.11.3) User Assigned Name String for the Outstation-->
      <outstationName>
        <currentValue />
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </outstationName>
      <!--1.11.4) Device Serial Number String-->
```

```xml
        <deviceSerialNumber>
          <currentValue />
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </deviceSerialNumber>
    </fieldConfig>
    <!--1.12) Security Configuration-->
    <securityConfig>
      <!--1.12.1) DNP3 device support for secure authentication-->
      <secureAuthenticationSupported>
        <capabilities>
          <notSupported />
          <version>
            <selectable>2</selectable>
            <selectable>5</selectable>
          </version>
        </capabilities>
        <currentValue>
          <notSupported />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </secureAuthenticationSupported>
      <!--1.12.2) Maximum number of users-->
      <maxNumberUsers>
        <capabilities />
        <currentValue />
        <!--Configuration Methods-->
        <methods />
      </maxNumberUsers>
      <!--1.12.3) Security message response timeout-->
      <securityResponseTimeout>
        <capabilities />
        <currentValue />
        <!--Configuration Methods-->
        <methods />
      </securityResponseTimeout>
      <!--1.12.4) Aggressive mode of operation (receive)-->
      <acceptsAggressiveMode>
        <currentValue />
        <!--Configuration Methods-->
        <methods />
      </acceptsAggressiveMode>
      <!--1.12.5) Aggressive mode of operation (issuing)-->
      <issuesAggressiveMode>
        <currentValue />
        <!--Configuration Methods-->
        <methods />
      </issuesAggressiveMode>
      <!--1.12.6) Session key change interval-->
      <sessionKeyChangeInterval>
        <capabilities />
        <currentValue />
        <!--Configuration Methods-->
        <methods />
      </sessionKeyChangeInterval>
      <!--1.12.7) Session key change message count-->
      <sessionKeyChangeMessageCount>
        <capabilities />
        <currentValue />
        <!--Configuration Methods-->
        <methods />
      </sessionKeyChangeMessageCount>
      <!--1.12.8) Maximum error count-->
      <maxErrorCount>
        <capabilities />
        <currentValue />
        <!--Configuration Methods-->
        <methods />
      </maxErrorCount>
      <!--1.12.9) MAC algorithm requested in a challenge exchange-->
      <macAlgorithmRequested>
        <capabilities />
        <currentValue />
        <!--Configuration Methods-->
```

```
      <methods />
    </macAlgorithmRequested>
    <!--1.12.10) Key wrap algorithm-->
    <keyWrapAlgorithm>
      <capabilities />
      <currentValue />
      <!--Configuration Methods-->
      <methods />
    </keyWrapAlgorithm>
    <!--1.12.11) Cipher Suites used with DNP implementations using TLS-->
    <TLSCipherSuites>
      <capabilities />
      <currentValue />
      <!--Configuration Methods-->
      <methods />
    </TLSCipherSuites>
    <!--1.12.12) Change cipher request timeout-->
    <changeCipherRequestTimeout>
      <capabilities />
      <currentValue />
      <!--Configuration Methods-->
      <methods />
    </changeCipherRequestTimeout>
    <!--1.12.13) Number of Certificate Authorities supported-->
    <numberCASupported>
      <currentValue />
      <!--Configuration Methods-->
      <methods />
    </numberCASupported>
    <!--1.12.14) Certificate Revocation check time-->
    <certificateRevocationCheckTime>
      <capabilities />
      <currentValue />
      <!--Configuration Methods-->
      <methods />
    </certificateRevocationCheckTime>
    <!--1.12.15) Additional critical function codes-->
    <additionalCriticalFCs>
      <capabilities />
      <currentValue />
      <!--Configuration Methods-->
      <methods />
    </additionalCriticalFCs>
    <!--1.12.16) Other Critical Fragments-->
    <otherCriticalFragments>
      <capabilities />
      <currentValue />
      <!--Configuration Methods-->
      <methods />
    </otherCriticalFragments>
    <!--1.12.17) Support for remote update key changes-->
    <remoteUpdateKeyChangeSupported>
      <capabilities />
      <currentValue />
      <!--Configuration Methods-->
      <methods />
    </remoteUpdateKeyChangeSupported>
  </securityConfig>
  <!--1.13) Broadcast Configuration-->
  <broadcastConfig>
    <broadcastFunctionalitySupported>
      <capabilities>
        <disabled />
      </capabilities>
      <currentValue>
        <disabled />
      </currentValue>
      <!--Configuration Methods-->
      <methods>
        <proprietaryFileViaOtherTransportMechanism />
      </methods>
    </broadcastFunctionalitySupported>
    <!--1.13.2) Write functions (FC = 2) supported with broadcast requests-->
    <broadcastFunctionalityFC2Supported>
      <writeClock>
        <capabilities>
          <disabled />
        </capabilities>
        <currentValue>
```

```xml
      <disabled />
    </currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
  </writeClock>
  <writeLastRecordedTime>
    <capabilities>
      <disabled />
    </capabilities>
    <currentValue>
      <disabled />
    </currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
  </writeLastRecordedTime>
  <clearRestart>
    <capabilities>
      <disabled />
    </capabilities>
    <currentValue>
      <disabled />
    </currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
  </clearRestart>
  <writeAnyOther>
    <capabilities>
      <disabled />
    </capabilities>
    <currentValue>
      <disabled />
    </currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
  </writeAnyOther>
</broadcastFunctionalityFC2Supported>
<broadcastFunctionalityFC5Supported>
  <capabilities>
    <disabled />
  </capabilities>
  <currentValue>
    <disabled />
  </currentValue>
  <!--Configuration Methods-->
  <methods>
    <proprietaryFileViaOtherTransportMechanism />
  </methods>
</broadcastFunctionalityFC5Supported>
<broadcastFunctionalityFC6Supported>
  <capabilities>
    <disabled />
  </capabilities>
  <currentValue>
    <disabled />
  </currentValue>
  <!--Configuration Methods-->
  <methods>
    <proprietaryFileViaOtherTransportMechanism />
  </methods>
</broadcastFunctionalityFC6Supported>
<broadcastFunctionalityFC7Supported>
  <capabilities>
    <disabled />
  </capabilities>
  <currentValue>
    <disabled />
  </currentValue>
  <!--Configuration Methods-->
  <methods>
    <proprietaryFileViaOtherTransportMechanism />
  </methods>
```

```
      </broadcastFunctionalityFC7Supported>
      <broadcastFunctionalityFC8Supported>
        <capabilities>
          <disabled />
        </capabilities>
        <currentValue>
          <disabled />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </broadcastFunctionalityFC8Supported>
      <broadcastFunctionalityFC9Supported>
        <capabilities>
          <disabled />
        </capabilities>
        <currentValue>
          <disabled />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </broadcastFunctionalityFC9Supported>
      <broadcastFunctionalityFC10Supported>
        <capabilities>
          <disabled />
        </capabilities>
        <currentValue>
          <disabled />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </broadcastFunctionalityFC10Supported>
      <broadcastFunctionalityFC11Supported>
        <capabilities>
          <disabled />
        </capabilities>
        <currentValue>
          <disabled />
        </currentValue>
        <!--Configuration Methods-->
        <methods />
      </broadcastFunctionalityFC11Supported>
      <broadcastFunctionalityFC12Supported>
        <capabilities>
          <disabled />
        </capabilities>
        <currentValue>
          <disabled />
        </currentValue>
        <!--Configuration Methods-->
        <methods />
      </broadcastFunctionalityFC12Supported>
      <broadcastFunctionalityFC13Supported>
        <capabilities>
          <disabled />
        </capabilities>
        <currentValue>
          <disabled />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </broadcastFunctionalityFC13Supported>
      <broadcastFunctionalityFC14Supported>
        <capabilities>
          <disabled />
        </capabilities>
        <currentValue>
          <disabled />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
```

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```
          </methods>
        </broadcastFunctionalityFC14Supported>
        <broadcastFunctionalityFC15Supported>
          <capabilities>
            <disabled />
          </capabilities>
          <currentValue>
            <disabled />
          </currentValue>
          <!--Configuration Methods-->
          <methods />
        </broadcastFunctionalityFC15Supported>
        <broadcastFunctionalityFC16Supported>
          <capabilities>
            <disabled />
          </capabilities>
          <currentValue>
            <disabled />
          </currentValue>
          <!--Configuration Methods-->
          <methods />
        </broadcastFunctionalityFC16Supported>
        <broadcastFunctionalityFC17Supported>
          <capabilities>
            <disabled />
          </capabilities>
          <currentValue>
            <disabled />
          </currentValue>
          <!--Configuration Methods-->
          <methods />
        </broadcastFunctionalityFC17Supported>
        <broadcastFunctionalityFC18Supported>
          <capabilities>
            <disabled />
          </capabilities>
          <currentValue>
            <disabled />
          </currentValue>
          <!--Configuration Methods-->
          <methods />
        </broadcastFunctionalityFC18Supported>
        <broadcastFunctionalityFC19Supported>
          <capabilities>
            <disabled />
          </capabilities>
          <currentValue>
            <disabled />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </broadcastFunctionalityFC19Supported>
        <!--1.13.18) Enable unsolicited functions (FC = 20) supported with broadcast
requests-->
        <broadcastFunctionalityFC20Supported>
          <byEventClass>
            <capabilities>
              <disabled />
            </capabilities>
            <currentValue>
              <disabled />
            </currentValue>
            <!--Configuration Methods-->
            <methods>
              <proprietaryFileViaOtherTransportMechanism />
            </methods>
          </byEventClass>
          <byAnyOther>
            <capabilities>
              <disabled />
            </capabilities>
            <currentValue>
              <disabled />
            </currentValue>
            <!--Configuration Methods-->
            <methods />
          </byAnyOther>
```

```
        </broadcastFunctionalityFC20Supported>
        <!--1.13.19) Disable unsolicited functions (FC = 21) supported with broadcast
requests-->
        <broadcastFunctionalityFC21Supported>
          <byEventClass>
            <capabilities>
              <disabled />
            </capabilities>
            <currentValue>
              <disabled />
            </currentValue>
            <!--Configuration Methods-->
            <methods>
              <proprietaryFileViaOtherTransportMechanism />
            </methods>
          </byEventClass>
          <byAnyOther>
            <capabilities>
              <disabled />
            </capabilities>
            <currentValue>
              <disabled />
            </currentValue>
            <!--Configuration Methods-->
            <methods>
              <proprietaryFileViaOtherTransportMechanism />
            </methods>
          </byAnyOther>
        </broadcastFunctionalityFC21Supported>
        <broadcastFunctionalityFC22Supported>
          <capabilities>
            <disabled />
          </capabilities>
          <currentValue>
            <disabled />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </broadcastFunctionalityFC22Supported>
        <broadcastFunctionalityFC24Supported>
          <capabilities>
            <disabled />
          </capabilities>
          <currentValue>
            <disabled />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </broadcastFunctionalityFC24Supported>
        <broadcastFunctionalityFC31Supported>
          <capabilities>
            <disabled />
          </capabilities>
          <currentValue>
            <disabled />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </broadcastFunctionalityFC31Supported>
      </broadcastConfig>
    </configuration>
    <!--2) IEC61850 Object Mappings-->
    <iec61850DeviceMapping />
    <!--3) Database-->
    <database>
      <!--3.1) Binary Input Points-->
      <binaryInputGroup>
        <!--Configuration-->
        <configuration>
          <!--3.1.1) Static Variation Reported When Variation 0 Requested-->
          <defaultStaticVariation>
            <capabilities>
              <one />
```

```
          <two />
          <basedOnPointIndex />
        </capabilities>
        <currentValue>
          <one />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </defaultStaticVariation>
      <!--3.1.2) Event Variation Reported When Variation 0 Requested-->
      <defaultEventVariation>
        <capabilities>
          <one />
          <two />
          <three />
          <basedOnPointIndex />
        </capabilities>
        <currentValue>
          <three />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </defaultEventVariation>
      <!--3.1.3) Event Reporting Mode-->
      <eventReportingMode>
        <capabilities>
          <mostRecent />
          <allEvents />
        </capabilities>
        <currentValue>
          <allEvents />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </eventReportingMode>
      <!--3.1.4) Binary Inputs Included In Class 0 Response-->
      <class0ResponseMode>
        <capabilities>
          <always />
          <never />
          <onlyWhenAssignedToClass123 />
          <basedOnPointIndex />
        </capabilities>
        <currentValue>
          <always />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </class0ResponseMode>
    </configuration>
  </binaryInputGroup>
  <!--3.2) Double Bit Input Points not supported-->
  <!--3.3) Binary Output Status/Control Relay Output Block Points-->
  <binaryOutputGroup>
    <!--Configuration-->
    <configuration>
      <!--3.3.1) Minimum Pulse Time Allowed with Trip, Close, and Pulse On Commands-->
      <minimumPulseTime>
        <capabilities>
          <fixed>0</fixed>
          <basedOnPointIndex />
        </capabilities>
        <currentValue>
          <basedOnPointIndex />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </minimumPulseTime>
      <!--3.3.2) Maximum Pulse Time Allowed with Trip, Close, and Pulse On Commands-->
```

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```
        <maximumPulseTime>
          <capabilities>
            <fixed>2147483647</fixed>
            <basedOnPointIndex />
          </capabilities>
          <currentValue>
            <basedOnPointIndex />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </maximumPulseTime>
        <!--3.3.3) Binary Output Status Included In Class 0 Response-->
        <class0ResponseMode>
          <capabilities>
            <always />
            <never />
            <onlyWhenAssignedToClass123 />
            <basedOnPointIndex />
          </capabilities>
          <currentValue>
            <always />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </class0ResponseMode>
        <!--3.3.4) Reports Output Command Event Objects-->
        <outputCommandEventObjects>
          <capabilities>
            <onSuccess />
          </capabilities>
          <currentValue>
            <onSuccess />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </outputCommandEventObjects>
        <!--3.3.5) Static Variation Reported When Variation 0 Requested-->
        <defaultStaticVariation>
          <capabilities>
            <one />
          </capabilities>
          <currentValue>
            <one />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </defaultStaticVariation>
        <!--3.3.6) Event Variation Reported When Variation 0 Requested-->
        <defaultEventVariation>
          <capabilities>
            <one />
          </capabilities>
          <currentValue>
            <one />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
          </methods>
        </defaultEventVariation>
        <!--3.3.7) Command Event Variation Reported When Variation 0 Requested-->
        <defaultCommandEventVariation>
          <capabilities>
            <one />
          </capabilities>
          <currentValue>
            <one />
          </currentValue>
          <!--Configuration Methods-->
          <methods>
            <proprietaryFileViaOtherTransportMechanism />
```

```xml
        </methods>
      </defaultCommandEventVariation>
      <!--3.3.8) Change Event Reporting Mode-->
      <changeEventReportingMode>
        <capabilities>
          <allEvents />
        </capabilities>
        <currentValue>
          <allEvents />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </changeEventReportingMode>
      <!--3.3.9) Command Event Reporting Mode-->
      <commandEventReportingMode>
        <capabilities>
          <allEvents />
        </capabilities>
        <currentValue>
          <allEvents />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </commandEventReportingMode>
      <!--3.3.10) Maximum Time Between Select and Operate-->
      <maxTimeBetweenSelectAndOperate>
        <capabilities>
          <fixed>5</fixed>
          <range>
            <minimum>1</minimum>
            <maximum>2147483</maximum>
          </range>
        </capabilities>
        <currentValue>
          <value>5</value>
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </maxTimeBetweenSelectAndOperate>
    </configuration>
  </binaryOutputGroup>
  <!--3.4) Counters/Frozen Counters not supported-->
  <!--3.5) Analog Input Points not supported-->
  <!--3.6) Analog Output Status/Analog Output Control Block not supported-->
  <!--3.7) Sequential File Transfer-->
  <sequentialFileTransfer>
    <!--Configuration-->
    <configuration>
      <!--3.7.1) File Transfer Supported-->
      <fileTransferSupported>
        <capabilities>
          <no />
          <yes />
        </capabilities>
        <currentValue>
          <yes />
        </currentValue>
        <!--Configuration Methods-->
        <methods>
          <proprietaryFileViaOtherTransportMechanism />
        </methods>
      </fileTransferSupported>
      <!--3.7.2) File Authentication-->
      <fileAuthentication>
        <capabilities>
          <never />
          <always />
          <sometimes>
            <explanation />
          </sometimes>
        </capabilities>
        <currentValue>
          <sometimes>
```

```
        <explanation />
      </sometimes>
    </currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
  </fileAuthentication>
  <!--3.7.3) File Append Mode-->
  <fileAppendMode>
    <capabilities>
      <never />
      <always />
      <sometimes>
        <explanation />
      </sometimes>
    </capabilities>
    <currentValue>
      <always />
    </currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
  </fileAppendMode>
  <!--3.7.4) Permissions Support-->
  <permissionsSupport>
    <capabilities>
      <ownerReadAllowed />
      <ownerWriteAllowed />
      <ownerExecuteAllowed />
      <groupReadAllowed />
      <groupWriteAllowed />
      <groupExecuteAllowed />
      <worldReadAllowed />
      <worldWriteAllowed />
      <worldExecuteAllowed />
    </capabilities>
    <currentValue>
      <ownerReadAllowed />
      <ownerWriteAllowed />
      <ownerExecuteAllowed />
      <groupReadAllowed />
      <groupWriteAllowed />
      <groupExecuteAllowed />
      <worldReadAllowed />
      <worldWriteAllowed />
      <worldExecuteAllowed />
    </currentValue>
    <!--Configuration Methods-->
    <methods>
      <proprietaryFileViaOtherTransportMechanism />
    </methods>
  </permissionsSupport>
  <!--3.7.5) Multiple Blocks in a Fragment-->
  <multipleBlocksInFragment>
    <capabilities>
      <no />
    </capabilities>
    <currentValue>
      <no />
    </currentValue>
    <!--Configuration Methods-->
    <methods />
  </multipleBlocksInFragment>
  <!--3.7.6) Max Number of Files Open at One Time-->
  <maxOpenFiles>
    <capabilities>
      <fixed>1</fixed>
    </capabilities>
    <currentValue>
      <value>1</value>
    </currentValue>
    <!--Configuration Methods-->
    <methods />
  </maxOpenFiles>
  </configuration>
</sequentialFileTransfer>
<!--3.8) Octet String Points not supported-->
```

```
      <!--3.9) Virtual Terminal Points not supported-->
      <!--3.10) Dataset Prototypes-->
      <datasetPrototype />
      <!--3.11) Dataset Descriptor-->
      <datasetDescriptor />
    </database>
    <!--4) Implementation Table-->
    <implementationTable>
      <!--Table-->
      <table>
        <supportedVariation>
          <objectGroup>1</objectGroup>
          <variation>2</variation>
          <description>Binary Input – Single-bit with flag</description>
          <request>
            <functionCode>1</functionCode>
            <qualifierCode>0</qualifierCode>
            <qualifierCode>1</qualifierCode>
            <qualifierCode>6</qualifierCode>
            <qualifierCode>7</qualifierCode>
            <qualifierCode>8</qualifierCode>
            <qualifierCode>23</qualifierCode>
            <qualifierCode>39</qualifierCode>
            <qualifierCode>40</qualifierCode>
          </request>
          <response>
            <functionCode>129</functionCode>
            <qualifierCode>0</qualifierCode>
            <qualifierCode>1</qualifierCode>
            <qualifierCode>23</qualifierCode>
            <qualifierCode>40</qualifierCode>
          </response>
        </supportedVariation>
        <supportedVariation>
          <objectGroup>10</objectGroup>
          <variation>0</variation>
          <description>Binary Output – any variation</description>
          <request>
            <functionCode>22</functionCode>
            <qualifierCode>0</qualifierCode>
            <qualifierCode>1</qualifierCode>
            <qualifierCode>6</qualifierCode>
            <qualifierCode>7</qualifierCode>
            <qualifierCode>8</qualifierCode>
            <qualifierCode>23</qualifierCode>
            <qualifierCode>39</qualifierCode>
            <qualifierCode>40</qualifierCode>
          </request>
        </supportedVariation>
            <supportedVariation>
          <objectGroup>10</objectGroup>
          <variation>2</variation>
          <description>Continuous Control – output status with flags</description>
          <request>
            <functionCode>1</functionCode>
            <qualifierCode>0</qualifierCode>
            <qualifierCode>1</qualifierCode>
            <qualifierCode>6</qualifierCode>
            <qualifierCode>7</qualifierCode>
            <qualifierCode>8</qualifierCode>
            <qualifierCode>23</qualifierCode>
            <qualifierCode>40</qualifierCode>
          </request>
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