

```

<Instrument>
  <Scanner ID="" Manufacturer="" Model="" SerialNumber="" Type=""[...]"> [0..*]
    <DAQCardRef ID=""/> [1]
    <ConverterRef ID=""/> [0..*]
  </Scanner>

  <BeamModifier ID="" Manufacturer="" Model="" SerialNumber="" Type=""[...]"> [0..*]
    <DAQCardRef ID=""/> [1]
    <ConverterRef ID=""/> [0..*]
  </BeamModifier>

  <Converter ID="" Manufacturer="" Model="" SerialNumber=""/ Type=""[ADC, DAQ]"> [0..*]

  <DAQCard ID="" Manufacturer="" Model="" SerialNumber="" Type=""[...]"> [0..*]
    <ConverterRef ID=""/> [0..*]
  </DAQCard>

  <Stimulator ID="" Manufacturer="" Model="" SerialNumber="" Type=""[...]" > [0..*]
    <Description>...</Description> [0..1]
    <DAQCardRef ID=""/> [0..1*]
  </Stimulator>

  <Software ID="" Name="" Version=""> [1]
    <SoftwareComponent ID="" Name="" Version="">{0, unbounded} [0..*]
      <SoftwareParameter ID="" Name="" Value="">{0, unbounded} [0..*]
    </SoftwareComponent>
  </Software ID="" >
</Instrument>

<Stimulus> [0..*]
  <StimulatorRef ID=""/> [1]
  <Description>...</Description> [0..1]
  Start Choice [1..*]
    <Wave ID="" SamplingFrequency="" Offset="" Repetitions="" DutyCycle="" Page=""/> [0..*]
    <Pulse ID="" Offset="" Repetitions="" DutyCycle="" Amplitude=""/> [0..*]
    <Function ID="" Term="" SamplingFrequency=""/> [0..*]
  End Choice
</Stimulus>

<ImagingMode> [1]
  Start Choice [1]
    <LaserScanning>
      <Trajectory ID="" PixelFrequency="" RelativeCoordinatesPage="" CommandPage=""
FeedbackPage="" XOffset="" YOffset="" ZOffset="">
        <XScannerRef ID=""/> [1]
        <YScannerRef ID=""/> [1]
        <ZScannerRef ID=""> [0..1]
        <BeamModifierRef ID=""> [0..*]
      </Trajectory>
    </LaserScanning>
    <Camera>...</Camera>
  End Choice
</ImagingMode>

```