# Reference Device/Provider

* TLS configurable as parameter (Argument: “—tls”)
* MDIB as specified (see attached reference\_mdib.xml)
* Provide Metrics, RTSA, Alerts, Operations
* Change one metric (specified with CTP) value at least every 5 seconds (increase value by 1.0)
* Change one AlertCondition and corresponding signals Presence at least every 5 seconds (toggle)
* Allow one activate operation to be called, result shall be “finished”
* allow one set string operation to be called, result shall be “finished”
* allow one set value operation to be called, result shall be “finished”
* provide at least one location context
* provide at least one patient context

# Reference Client/Consumer

* parameterize by endpoint reference to connect to (Argument: “-tls —epr <epr>”)
* exec the following teststeps:
  1. discovery of device with specific endpoint
  2. connect to device with specific endpoint
  3. read mdib of provider
  4. subscribe metrics, alerts, waveforms
  5. check that least one patient context exists
  6. check that at least one location context exists
  7. check that the metric (see above) changes within 30 seconds at least 5 times
  8. check that the alert condition (see above)change within 30 seconds at least 5 times
  9. execute operations as specified and check that result is “finished”

Each test step shall be printed to console with result in the format “### Test <no> ### [passed|failed]” Result shall be “passed” or ”failed”