

Release Notes

v4.0

2019-04-23

C++ Proxy added, New Proxies, Bug fixes

- SweepTune sample is now more robust
- Added GetFactorySettings to the list of built sample apps
- New C++ Proxy (about 75% coverage, probably 95% coverage of what matters)
- Scripted maintenance of component versions from VERSION file
- WSDL Changes
 - Definitions for ACU_01_04 & CCU_00_52
 - <https://blockeng.atlassian.net/browse/QCL-32>: added to WSDL and all proxies - support for StrongID member of Tuners;
 - <https://blockeng.atlassian.net/browse/QCL-410> - document better (in reference docs) some alarms; and remove alarms
 - Critical_LowVoltageFromPowerBoard
 - Critical_MirrorOverCurrent
 - Critical_MirrorNoCurrent
 - Error_DetectorTemperatureNotLocked
 - Error_LaserTemperatureNotSettled
 - Warning_AmbientTemperatureTooHigh
 - Warning_LaserImpedenceTooHigh
 - Warning_MirrorImpedenceTooHigh
 - Warning_CalibrationTooHigh
 - Warning_VibrationTooHigh
 - lose ReferenceNormalizationParameters from factory settings
 - lose ReferenceMirrorPosition/ReferenceLaserVoltage
 - lose ReadbackStrategy configuration from WSDL and lose CurrentToWaveNumberCalibrationTable since we no longer support ReadbackMirrorCurrent
 - rename WaveNumberToDriveVoltageCalibrationTable to WaveNumberToMirrorDriveCalibrationTable
 - Lots of changes for locking feature
 - new factory settings – LaserTemperatureVariationAllowed
LaserTemperatureWarmupTimeout

Each of these WSDL changes included changes to all proxies, and related data model support, as well as reference documentation.

- JS Proxy
 - fix getScanData
 - fix LowerBound/UpperBound in writeRange code

- fix MirrorResonantFrequency
 - fix parsing of a duration range;
 - new Proxy constructor to support custom SendTimeout (s);
 - Make PersistenceClear promise compliant
- .Net Proxy
 - fix CCU Peek/Poke bug
 - added division operator for Spetra
 - fixed bug reported by customer - reading GetFactorySettings from system release v2 system (2.63) (exception mapping obsolete features)
- Python Proxy
 - Added 3 new Scan Persistence Proxy Methods: ScanPersistenceGetFolderSummary, ScanPersistenceExport & ScanPersistenceClear
- New project file for inclusion in VS2k17 solution files

v3.0
2016-06-24

New BLKQCL-v2016-05.wsdl supported;
BLKQCL-App-v2016-05.xsd app support (app configuration);
Lose obsolete External Controller WSDL;
Many WSDL changes, especially to factory settings, including ACU/I2C/CCU board object
C#.net proxies and samples improved (e.g. SweepTune bug fixed);
JS Proxy improvements, including better duration support;
Removed incomplete C++/Python proxies;

v1.1
2015-07-14

Enormous changes since v1.0.1

Proxies all support BLK-15-v2014-04.wsdl (system 0.00), BLKQCL-v2014-07.wsdl (system 0.01), and BLKQCL-v2015-05.wsdl (System 0.02)

Simplified laser operations (no repeat count).

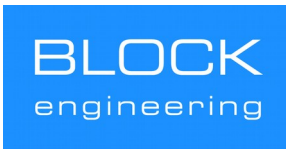
Added Analyze support, and External Controller API.

New networking APIs (Get/Set NetworkConfiguraiton), tons of new User Settings and factory settings. Removed obsolete APIs like GetCurrentToWaveNumberCalibrationTable.

Renamed GetSolenoidState/SetSolenoidState -> GetToggleSwitchState/SetToggleSwitchState

New IBasicPersistence and IScanPersistence APIs (to store data on device).

Much improved C#.net proxy support (including pipelining); some new python proxy support, and improved JS proxy support; Draft (unusable) C++ proxy support



SOFTWARE DEVELOPMENT KIT

LASERTUNE & EXTERNAL DETECTOR

v1.0.1	Public release.
2014-09-02	<p>Renamed BLK15 to BLKQCL.</p> <p>.Net, JS, and Python proxies now auto-detect target WS namespace (protocol version).</p> <p>Proxies take options constructor arguments, including AUTH info, url, and other options.</p> <p>Tons of new WSDL APIs supported, including supported features, solenoids, GetMajorOperationStatus, GetNetworkAdapterStatus(), etc.</p> <p>New WatchCurrentOperation HTML sample.</p> <p>Major revisions to ReadSensors() WS API, including support for staleness.</p> <p>Several UserSettings/FactorySettings field changes, like CCU -> Detector, etc.</p> <p>Major python proxy performance improvements, including limited support for pipelining (this makes sequences of interleaved scans run with less than 10ms latency between scans).</p> <p>.Net proxy far more complete.</p> <p>Deprecated older APIs like RunLasers() and instead use StepTune, ExternallyControlledTune(), StepScan(), etc.</p> <p>Scan() APIs now return a single scan, not array.</p> <p>Improved documentation (including documentation on factory settings).</p>
v1.0a4	Public release.
2014-04-17	<p>Created C#.net proxies, and many more C# examples.</p> <p>Improved Python samples, proxies, and documentation.</p> <p>SDK (API) documentation clarifications.</p> <p>Distribute as .zip (as .tar.gz)</p> <p>Overall documentation/structure improvements.</p> <p>Non-public review release. Incomplete.</p> <p>BLK-15-v2014-04.wsdl</p> <p>Draft proxies for JS, Python.</p> <p>Sample for manual import WSDL into C#.Net</p>