**Project Change Log**

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**Block Language Toolkit**

**ExxonMobil Chemicals**

**Document Version:**

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# Introduction

This document records incremental changes to the Block Language Toolkit package. This toolkit is under development by ILS Automation for ExxonMobil Chemicals The version of this document corresponds to the version of the delivered package.

# Baseline

The starting point of this log is verrsion 0.3 of the toolkit (third prototype) demonstrated to ExonMobil Chemicals on Jan 30, 2014. The demonstration featured Use Case I.

Features included:

* Basic block construction using the Ignition “block and connection” API.
* Creation of blocks from a palette
* Designer scope navigation tree to diagrams
* Diagram serialization into project resources
* Project save, restore and export
* Analysis of a drawn diagram in the Gateway
* Execution of a diagram based on block connections
* Synchronization of inputs via a watchdog timer.
* Incorporation of icons via the Ignition Image Manager
* Block properties editor
* Update of block properties via binding to Ignition tags.

# Updates

This section describes incremental changes in each release of the project

## Release 0.4

### Use Cases

* TBD

### Features

* Navigation screen – Application/Family/Problem levels
* Diagram import and export.
* Python blocks
* Connections and stubs have types
* Added license statement on module load.
* Javadoc available from the Gateway configuration page
* New blocks – and/or/inhibit/SQC
* Transmit/receive

### Bug Fixes

* When a diagram is renamed in the Nav tree, the workspace tab name changes also.

## Release 0.5

### Use Cases

* TBD

### Features

* Block cut, copy, paste and delete.

### Bug Fixes

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