PPLib800xA Automation Software Maintenance
Lifecycle management for Pulp and Paper Process Control Library

Overview
ABB’s Pulp and Paper Control Library (PPLib800xA) is a complete and comprehensive library for building industrial process control applications. ABB’s PPLib800xA ASM program fosters proactive system management and reduces both technical and financial constraints with easier software delivery. This program enables access to the latest PPLib800xA software for enhancements between system upgrades, contributing to an overall improved and simplified upgrade process.

ABB’s PPLib800xA ASM program is unique in that it features a tiered subscription service that allows customers to access the latest updates whenever they want them – including patches, new features, and more. By taking advantage of incremental system updates, pulp and paper mills can achieve enhanced performance and improved production – all while reaching the next level of important cybersecurity needs.

Features
• Two subscription options to align to system status and upgrade needs
• Access to the latest updates, patches and features all on an on-demand basis for PPLib800xA 6.0 and higher
• Ability to upgrade from legacy systems versions including new licenses and functionality
• Enables access to PPSupport Tool, which benchmarks performance and helps detect unintended changes
• myABB business portal access that enables program management, premium system documentation, etc.

Benefits
• Increase operating performance with incremental system enhancements and new features between major upgrades
• Better manage and predict your total cost of ownership
• Reduce maintenance and support costs through shorter software delivery times

ABB’s PPLib800xA Automation Software Maintenance (ASM) program helps keep process control software up-to-date while providing a flexible path forward to new software technology. Pulp and paper mills can now maximize their system investment with this lifecycle management program that enhances system availability, reliability and performance while reducing maintenance costs.
Proactive system management
Pulp and paper mills can benefit from a more cost-effective way of proactive system ownership. The ABB PPLib800xA ASM program provides the fundamental software support deliverables required for mills seeking to continuously improve their system – one that allows them to evolve, even between upgrades, and to do so in a hands-on, cost-effective, ongoing manner.

This program further supports proactive system management, relaxing both the technical and financial constraints, ultimately making it easier to stay ahead.

Program management is conducted through the my-ABB/My Control System business portal – including access to premium system documentation through ABB Library. The program provides solutions for the main challenges system owners face to achieve maximum availability and reliability of the control system:

- PPLib800xA tools maintenance and upgrades
- Cyber and IT security
- Online access to relevant information
- Control system software and performance checks

Customers seeking to improve their system, or those who are ready to make larger upgrades, can now do so quicker and more easily because less engineering is involved. These newer system enhancements are all geared to improve plant effectiveness and long-term support. In addition, the subscription model helps mills simplify their annual budgeting.

Access to new tools
PPSupport tool is a .Net standalone application designed to perform bulk read/write operations to System 800xA based on a pre-defined template. It can be used to populate the parameter setting during engineering and commissioning and is helpful in maintaining the back up of important process and control loop tuning parameters on periodical basis. This makes it easier for benchmarking performance and detecting changes to configuration parameters during operation.

This resource back-up tool helps system engineers in migrating the existing process application libraries to the latest version. It requires minimum efforts to retain the customizations in terms of native language support, colors and layered resources.

Incremental updates
Users on PPlib800xA 6.0 or higher can improve their operations by leveraging the latest features available and the addition of new features to library/enhancements. You can choose to move incrementally, or jump to the latest version without installing the previous releases. Here are some highlights of recent feature from each release that subscribers could access, including the major changes, improvements and benefits of each:

- High-Performance graphic elements make it easier for the user to distinguish any abnormal situation in the process display
- High-Performance faceplate improves operator efficiency by conveying primary information with fewer clicks needed to obtain additional and relevant information
- New function blocks – Addition of a new Function-First block can be used for troubleshooting application logic by catching the first abnormal signal.
Benefits of PPLib800xA for legacy systems

PPLib800xA is required for certain upgrades, such as moving from an AC450 controller to AC800M. Not only does it help you avoid obsolescence and compatibility issues, but it unlocks an easier way to manage process control applications.

Two subscription options are available to align to system status and upgrade needs

The ASM subscription options open up features available as the mills go through the upgrade process.

1. **PPLib800xA ASM Maintain Plus** provides customers access to incremental updates for PPLib800xA within the system version. Releases of PPLib800xA contain both fixes and enhancements, so customers can also benefit from new or improved features, while keeping pace with important cyber security updates.

2. **PPLib800xA ASM Maintain & Evolve** includes all the benefits of the Maintain Plus level, with the added ability to upgrade from an older legacy system (AC450, Infi90,..) version to the latest, and the ability to upgrade between system generations (e.g. v4-> v6, v5-> v6, legacy-> v6 ). This new program component (Level Maintain + Evolve) opens upgrade opportunities for customers with AC450 controllers but on 800xA HMI.

**Cyber security**

ABB fully honors the importance of cyber security and its role to advance the security of control systems. ABB customers can rely on system solutions where reliability and security have the highest priority. Similar to process and safety improvements, security improvement needs to be a continuous activity.

Improvements are always prioritized and included as an integral part of the release cadence to enhance security against cyber attacks and new threats.

**Commitment to lifecycle management**

ABB’s lifecycle management program offers a two-pronged approach to maximize the value of your investments while optimizing asset life. ABB’s PPLib800xA ASM program allows our customers to choose the level of support and the upgrade schedule that works best for immediate business needs and long-term production targets.

**Program deliverables**

The PPLib800xA Automation Software Maintenance program offers multiple levels of support and unlocks access to powerful support tools.

<table>
<thead>
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<th>PPLib800xA ASM Deliverables</th>
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<td>Legacy system software upgrades</td>
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<tr>
<td>AC400 series, Advant Controllers</td>
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<td>✓</td>
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<td>MasterPiece 200</td>
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<td>Infi90 system</td>
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<td>Automation Software Maintenance (ASM), Upgrades and Support</td>
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<tr>
<td>PPLib800xA ASM (fixes &amp; enhancements) rollup/updates</td>
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<tr>
<td>Enhanced Diagnostics Feature Access</td>
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<tr>
<td>PPSupport Tool (cold retain tool)</td>
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<td>MyABB &amp; Library “PREMIUM” Access</td>
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<td>MyABB Technical Documentation</td>
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03 New high-performance graphic elements help users spot abnormal situations quickly