

MAINTENANCE DOCUMENT

# PCS Bronze

## A Digital Maintenance Program

### Statement of work and services

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## Executive Summary

ABB Power Conditioning recommend that a maintenance program is purchased to ensure the product is kept in an optimal operating condition.

PCS Bronze preventative maintenance program ensures appropriate preventative and condition based maintenance tasks are carried out. The benefits are seen in consistent product reliability and maximized economic life.

## Benefits

- Increased product uptime
- Extended economic product life
- Visibility in to current and future maintenance costs
- Flexible scheduling
- Work carried out by manufacturer certified personnel
- Visibility of future maintenance costs
- Product performance data analysis by manufacturers Engineers
- Manufacturer backed maintenance program

# Applicable PCS Range

Applies to all installed, current, and future products built on the PCS100 and PCS120 platforms.

## Product Overview

**Name:** PCS Bronze

**Type:** Basic Preventative Maintenance Program

<b>PCS Platform</b>	<b>Typical contract duration from installation</b>
<b>PCS120</b>	15 years (full product life cycle)
<b>PCS100</b>	15 years (full product life cycle)

The Bronze preventative maintenance program is a combination of programmed and condition-based maintenance. This ensures time-based maintenance requirements are carried out along with condition-based component maintenance. The information gathered is used to assess the condition of the product and any external factors that may impact product reliability.

# Product Details

The PCS product and environment is visually inspected including electrical connections and physical structure. Electrical Inspection and testing of components is done according to the manufacturer’s procedure. Wear out components are identified based on hours of operation or by condition based on test data and replaced as required. The product service log is uploaded to the ABB service data base for analysis by manufacturer Engineers. As the number of maintenance cycles increase over time the historical data gathered allows trending of the product condition by comparison with current data.

At the completion of each maintenance cycle a written report is provided detailing product condition. Any maintenance recommendations such as programed replacement of wear out components or remedial work will also be quoted.

Contract Name and Details	PCS Bronze
Product visual inspections	✓
Product mechanical inspections	✓
Product electrical inspections and testing	✓
Environmental assessment	✓
Written report documenting product condition	✓
Compatible with extended warranties	✓
Travel time	✓
Manufacturer digital analysis of service log	✓
Manufacturer review of service engineers report	✓
After hours support	Optional
Consumables (wear out components)	Excluded
Labour for replacement of consumables <sup>1</sup>	Excluded
Remedial (breakdown) components <sup>1</sup>	Excluded
Labour for remedial (breakdown) work <sup>1</sup>	Excluded
Software upgrades	Excluded

<sup>1</sup>If the product is within the manufactures warranty, fault diagnosis, remedial work and replacement of components is included.

# Upgrading to a PCS Extended Warranty

PCS Bronze can be upgraded to a PCS Extended Warranty service contract. The upgrade is conditional upon the product being within the manufactures warranty period. This allows an initial warranty cover of up to 5 years. Approaching the completion of the first 5 years warranty another 5 years may be available.

## Site Access

Site access shall be made available to service personnel, any changes in site induction and other site based regulatory requirements are to be provided at least 6 weeks in advance of the scheduled service. The time required for compliance with these may be quoted above and beyond the service contract.

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