

MAINTENANCE DOCUMENT

PCS Silver

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 Silver is a reliability centered maintenance program that balances features and cost while ensuring all preventative and condition based maintenance tasks are carried out. The benefits are seen in consistent product reliability, maximized economic life, and optimized maintenance costs.

Benefits

- Increased product uptime
- Optimized maintenance costs
- Extended economic product life
- Flexible scheduling
- Work carried out by manufacturer certified personnel
- Analysis of digital service log by manufacturers Service Engineers

Applicable PCS Range

PCS100 Platform: AVC, UPS-I, ESS

Product Overview

Name: PCS Silver

Type: Manufacturer Backed Digital Maintenance Program

PCS Platform	Typical contract duration from commencement of Manufacturer's warranty	Typical quotation durations
PCS100	10 years (transfer to PCS Bronze for years 11 to 15)	2 x 5 year terms

The PCS Silver reliability centered 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. Consumables included are discounted when PCS Silver is purchased with the product.

Customers with scheduled service contracts receive a discount on any additional labour and components used during repairs or upgrades.

PCS Silver digital maintenance program is a 5-year contract. It combines programmed and condition based service tasks to ensure the product performance and reliability is maintained. Analysis of the products digital service log by factory based engineers compliments the onsite service to ensure all aspects of the product are covered.

The inclusion of the consumables due at year 5 ensures the product will be reliable and continue to perform as designed into the future.

PCS Silver is generally purchased at the beginning of or early in the products lifecycle and can be extended up to 10 years.

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. Consumables (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 and any maintenance work done. Any additional maintenance recommendations other than replacement of consumables will be quoted.

Contract Name and Details	PCS Silver
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 analysis of service log	✓
Manufacturer review of service report	✓
After hours support	Optional
Consumables (wear out components)	✓
Labour for replacement of consumables	✓
Remedial (breakdown) components ¹	Excluded
Labour for remedial (breakdown) work ¹	Excluded
Software updates	✓

Items in bold are additions to the PCS Bronze Digital Maintenance Program.

¹For the period the product is within the manufactures standard warranty, fault diagnosis, remedial work and replacement of components is included.

Upgrading the Maintenance Program

This program can be upgraded to a premium PCS Gold maintenance program in consultation with ABB or an authorized service partner.

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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