



# Maintenance Schedule

DOCMSPSRCYC01

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## PSR cycloconverter

<b>Legend:</b>	
Replacement of component	<b>R</b>
Inspection (visual inspection, correction and replacement if needed)	<b>I</b>
Performance of on-site work (commissioning, tests, measurements, etc.)	<b>P</b>
Replacement if high ambient temperature or cyclic heavy duty	<b>(R)</b>

	Years from start-up																				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
<b>Start-up</b>	P																				
<b>Cooling</b>																					
➤ Control unit cooling fans		I	R	I	R	I	R	I	R	I	R	I	R	I	R	I	R	I	R	I	R
➤ <b>Air Cooled Unit:</b>																					
➤ Air filters		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
➤ Cooling fan		I	I	I	R	I	I	I	R	I	I	I	R	I	I	I	R	I	I	I	R
➤ <b>Water Cooled Unit:</b>																					
➤ Ion compound and mech. filters		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
➤ Cooling pump seal		I	R	I	I	I	R	I	I	I	R	I	I	I	R	I	I	I	R	I	I
➤ Cooling pump		I	I	I	R	I	I	I	R	I	I	I	R	I	I	I	R	I	I	I	R
➤ Redundant cooling pump seals		I	I	I	R	I	I	I	I	I	I	I	R	I	I	I	I	I	I	I	R
➤ Redundant cooling pumps		I	I	I	I	I	I	I	R	I	I	I	I	I	I	I	R	I	I	I	I
<b>Aging</b>																					
➤ Auxiliary voltage supplies		I	I	I	I	I	I	I	I	I	I	R	I	I	I	I	I	I	I	I	R
➤ RC-snubber capacitors		I	I	I	I	I	I	I	I	I	I	(R)	I	I	I	I	I	I	I	I	I
<b>Connections &amp; Surroundings</b>																					
➤ Fiber optic cables		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Cable connections		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Dustiness, corrosion and temperature		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
<b>Improvements</b>																					
➤ SW / HW upgrade		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Based on product notes		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
<b>Measurements</b>																					
➤ Basic measurements with aux. supply voltage		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
➤ Insulation test			P		P		P		P		P		P		P		P		P		P
➤ Phase and excitation tests		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
<b>Spare Parts</b>																					
➤ Spare parts		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I

**Note!** Recommended service intervals and component replacements are based on the operational environment specified by ABB. Please refer to service instructions and product manuals for more information or go to [www.abb.com/drivesservices](http://www.abb.com/drivesservices).