



Maintenance Schedule

DOCMSACS50001

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ACS 502/503/504 Drives

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

	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
Start-up	P																				
Cooling																					
➤ Cooling fan		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I
Aging																					
➤ Electrolytic capacitors (DC circuit)											(R)		R								(R)
➤ Electrolytic capacitors (SNAT 7261 INT)											(R)		R								(R)
Connections & Surroundings																					
➤ Ribbon cables (connections)						I					I					I					I
➤ Tightness of IGBT modules (3Nm)						I					I					I					I
➤ Tightness of terminals						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
➤ Quality of supply voltage		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Improvements																					
➤ 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
Measurements																					
➤ Basic measurements with supply voltage		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Spare Parts																					
➤ Spare Parts		I	P	I	P	I	P	I	P	I	P	I	P	I	P	I	P	I	P	I	P

Note! Recommended service intervals and component replacements are based on the operational environment specified by ABB. In addition to maintenance actions listed in the table above, ABB recommends an annual drive inspection to be carried out in order to secure best reliability and optimum performance. Please refer to service instructions and product manuals for more information or go to www.abb.com/drivesservices.