

ABB	Maintenance Schedule			DOCMSACS600-1				
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ACS600 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	21
Start-up	P																					
Cooling																						
➤ Air Cooled Unit:																						
➤ Cooling fan (MD and SD R8, R9, IP54)		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
➤ Cooling fan (SD R2-R7)		I	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I	I	R	I	I	I
➤ DSU, TSU cooling fan (B1-B5)		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
➤ DC reactor cooling fan (B4-B5)		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
➤ Water Cooled Unit:																						
➤ Cooling Fans		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
➤ Add coolant inhibitor		I	P	I	P	I	P	I	P	I	P	I	P	I	P	I	P	I	P	I	P	I
➤ Heat Exchanger		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Cooling water pump		I	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I	I	R	I	I	I
➤ Cooling water pipe connections		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Aging																						
➤ Electrolytic capacitors (DC circuit)										(R)			R						(R)			
➤ Electrolytic capacitors (NGDR)							(R)			R			(R)						R			
➤ DSU, TSU RC resistors, capacitors							I						I						I			
Connections & Surroundings																						
➤ Flat cables (NINT, NXPP)							(R)			R			(R)						R			
➤ Tightness of terminals				I			I			I			I			I			I			I
➤ Door filters		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Condition of contactors				I			I			I			I			I			I			I
➤ Fiber optic cables (connections)				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	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	I
Improvements																						
➤ Based on product notes		I	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	P
Spare Parts																						
➤ Spare Parts		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ DC circuit capacitor reforming		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Note! Recommended service intervals and component replacements are based on the operational environment specified by ABB. **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.