



Maintenance Schedule

4FPS10000043089

DOCMSACS600-1

Issued by	Date	Language	Revision	Page
ABB Oy, Drives Service	2012-11-02	en	K	1 (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 load	(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)				R			R			R			R			R			R			R
➤ Cooling fan (SD R2-R7)							R					R							R			
➤ DSU, TSU cooling fan (B1-B5)				R			R			R			R			R			R			R
➤ DC reactor cooling fan (B4-B5)				R			R			R			R			R			R			R
➤ Water Cooled Unit:																						
➤ Cooling Fans				R			R			R			R			R			R			R
➤ Add coolant inhibitor			P		P		P		P		P		P		P		P		P		P	
➤ Heat Exchanger cleaning				I			P			I			P			I			P			I
➤ Cooling water pumps				I			R			I			R			I			R			I
➤ Expansion tank air pressure		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Expansion tank										R									R			
➤ Cooling water pipe connections				I			I			I			I			I			I			I
Aging																						
➤ Electrolytic capacitors (DC circuit)										(R)			R						(R)			
➤ Electrolytic capacitors (NGDR)							(R)			R			(R)						R			
➤ LCL filter capacitors (ISU_LCL-xxxx)							(R)			R			(R)						R			
➤ DSU, TSU RC resistors, capacitors				I			I			I			I			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
➤ 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
➤ Quality of supply voltage				I			I			I			I			I			I			I
Improvements																						
➤ Based on product notes				I			I			I			I			I			I			I
Measurements																						
➤ Basic measurements with supply voltage				P			P			P			P			P			P			P
Spare Parts																						
➤ Spare Parts				I			I			I			I			I			I			I
➤ DC circuit capacitor reforming				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.