

# График обслуживания ACS600

<b>ABB</b>	Maintenance Schedule		DOCMSACS600-1	
Issued by ABB Oy, Product Support	Date 2007-05-02	Language en	Revision H	Page 1 (1)
Creator name Ari Niskanen		Distribution	Public	

## ACS600 Drives

<b>Legend:</b>	
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
<b>Start-up</b>	P																					
<b>Cooling</b>																						
➤ Air Cooled Unit:																						
➤ Cooling fan (MD and SD R6, 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	R	I	I	I	I	I	I	R	I	I	R
➤ 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-B6)		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	R	I	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
<b>Aging</b>																						
➤ Electrolytic capacitors (DC circuit)										(R)			R						(R)			
➤ Electrolytic capacitors (NGDR)							(R)			R			(R)						R			
➤ DSU, TSU RC resistors, capacitors							I						I						I			
<b>Connections &amp; Surroundings</b>																						
➤ 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
<b>Improvements</b>																						
➤ 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
<b>Measurements</b>																						
➤ 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
<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	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

■ График обслуживания ACS600 можно найти на прилагаемом CD



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/driveservices](http://www.abb.com/driveservices).

# График обслуживания ACS800

<b>ABB</b>	Maintenance Schedule	DOCMSACS80001		
Issued by	Date	Language	Revision	Page
ABB Oy, Product Support	07.02.2007	en	E	1 (2)
Creator name	Kimmo Hirvonen	Distribution	Public	

## ACS800 Drives

Legend:	
Replacement of component (At rated load and ambient conditions)	R
Inspection (visual inspection, correction and replacement if needed)	I
Performance of on-site work (commissioning, tests, measurements, etc.)	P

	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
<b>Start-up</b>	P																					
<b>Cooling</b>																						
➤ <b>Air Cooled Unit:</b>																						
➤ Internal/additional cooling fan for ACS800-01/-11/-31,104, IP21 and IP56		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
➤ Cooling fan (ACS800-01/-02/-04/-07/-11/-17/-31/-37/-104/DSU)		I	I	I	I	I	R	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I
➤ Cooling fan for TSU		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
➤ Enclosure extension cooling fan (ACS800-02)		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
➤ Extra cooling fans inside cabinet (ACS800-x7, ACS800 md)		I	I	I	I	I	R	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I
➤ Extra IP54 cooling fan on roof of cabinet (ACS800-07, ACS800 md)		I	I	I	I	I	R	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I
➤ <b>Liquid-Cooled Unit:</b>																						
➤ Cooling fans		I	I	I	I	I	R	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I
➤ 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	R	I	I	I	I	I	R	I	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
<b>Aging</b>																						
➤ Electrolytic capacitors (DC circuit)												R								R		
➤ Memory backup battery replacement in the APBU-xx unit		I	I	I	I	I	R	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I
<b>Connections &amp; Surroundings</b>																						
➤ AINT+ flat cables											R									R		
➤ Tightness of terminals																						
➤ Quick connector of the converter module (ACS800-x7/ and ACS800 md)				I			I				I				I			I				I
➤ Door filters (IP20 ... 42)		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Door filters (IP54 and above)		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
➤ Condition of contactors				I			I				I				I			I				I
➤ Fiber optic cables (connections)				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
<b>Improvements</b>																						
➤ 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
<b>Measurements</b>																						
➤ 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
<b>Special Parts</b>																						

- График обслуживания ACS800 можно найти на прилагаемом CD

