

ABB		Maintenance Schedule		4FPS10000027037	
Issued by	Date	Language	Revision	Page	
ABB Oy, Drives Service	25.6.2013	en	F	1	
Creator name ESP400			Distribution	Public	

ACSM1 Drives

Legend:

Inspection (visual inspection and required maintenance action if needed)	I
Performance of on-site work (commissioning, tests, measurements, etc.)	P
Replacement of component	R
Replacement of component in demanding operating conditions	(R)

	Years from start-up																					
Start-up	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	P																					
Cooling																						
Main cooling fan (Frame A to G)				(R)			R (R)			(R)			R (R)			(R)			R (R)			(R)
Filter unit WFU-01,-02,-11,-21,-22 cooling fan (ACSM1-204)				(R)			R (R)			(R)			R (R)			(R)			R (R)			(R)
Main cooling fan (Frame G1 and G2)							(R)			R			(R)						R (R)			
Cooling fan for circuit board compartment (Frame G1 and G2)				(R)			R (R)			(R)			R (R)			(R)			R (R)			(R)
Aging																						
Power unit (Frame A and B)							(R)			R			(R)						R (R)			
JCAP-board (Frame C and D)							(R)			R			(R)						R (R)			
DC circuit electrolytic capacitors+discharging resistors (Frame E, G, G1 and G2)							(R)			R			(R)						R (R)			
WFU-11, -21, -22 capacitor (ACSM1-204)							(R)						R						(R)			
BFPS, JGDR (Frame G1 and G2)										R									R			
JINT-board (Frame G, G1 and G2)										R									R			
Control panel battery										R									R			
Connections and environment																						
Flat ribbon cables (frame G, G1 and G2)										R									R			
BGAD (frame G1 and G2)										R									R			
Improvements																						
Based on product notes							I						I						I			
Spare Parts																						
Spare parts (Date/SN, revisions, quantity, storing environment)		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
DC circuit capacitors reforming		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Recommended annual inspections by user																						
Tightness of terminals		(I)	(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)	(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)
Heat sink cleaning		(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)

R = Replacement of component if ambient temperature is below 40 °C and if there is no cyclic heavy load and no continuous nominal load.

(R) = Replacement of component if ambient temperature is constantly over 40°C or if ambient conditions are especially dusty or humid or if there is cyclic heavy load or continuous nominal load

(I) = Inspection and maintenance action if needed if ambient temperature is constantly over 40°C or if ambient conditions are especially dusty or humid or if there is cyclic heavy load or continuous nominal load

Note! Recommended maintenance intervals and component replacements are based on specified operational and environmental conditions. ABB recommends annual drive inspections to ensure the highest reliability and optimum performance. More detailed maintenance information can be found in maintenance instructions, product manuals and on the internet:

www.abb.com/drives