

ABB UPS Maintenance Contract ABBUPS001115
DIGIPLEX, Fetsund Data Center
Appendix 1

24x7 automatic battery monitoring at block level. Each battery is constantly monitored, and possible deviations alarmed to user.

Requires fixed installation of AKKA central units, measurements cables and remote communication lines.

or alternatively

4.2 OPTION: AKKA Periodic Battery Monitoring

By ABB service personnel with portable AKKA-device. Information also available at block level.
 Recommended measurement cycle: minimum twice a year.

Requires fixed installation of AKKA-measurements cables.

5.1 Annual Training

The Contractor shall supply on-site training to the site based maintenance personnel on an annual basis as part of their maintenance tasks. Elements of this training are described in *Appendix 4 "Annual Training"*.

B UPS SYSTEMS INFORMATION

UPS systems are ABB modular DPA500 series equipped with modular Sprinter or Marathon Battery (40-48 batteries each string). Product details are presented in *Appendix 2, "Digiplex Fetsund UPS Systems"*.

Construction Zone	Frame/Module/Battery	Commissioning Date	Contract Date	Warranty Expiring Date
A1/1A 1 st Floor	3xDPA500 /15x100kW / 600 x Marathon Battery	17.10.2014	15.06.2015	19.01.2017
A1/1B 1 st Floor	3xDPA500 /15x100kW / 600 x Marathon Battery	17.10.2014	15.06.2015	19.01.2017
A1/2A 2 nd Floor	3xDPA500 /15x100kW / 600 x Marathon Battery	18.02.2015	15.06.2015	03.03.2017
A1/2B 2 nd Floor	3xDPA500 /15x100kW / 600 x Marathon Battery	18.02.2015	15.06.2015	03.03.2017
A1/3A 3 rd Floor	3XDPA500/06x100kW / 288 x Sprinter Battery*	12.05.2015	15.06.2015	20.05.2017
A1/3B 3 rd Floor	3XDPA500/06x100kW / 288 x Sprinter Battery*	13.05.2015	15.06.2015	20.05.2017
A2/1A 1 st Floor	3xDPA500 /15x100kW / 600 x Marathon Battery	13.07.2015	01.09.2015	01.09.2017
A2/1B 1 st Floor	3xDPA500 /15x100kW / 600 x Marathon Battery	13.07.2015	01.09.2015	01.09.2017
A2/2A 2 nd Floor	3xDPA500 /06x100kW / 240 x Marathon Battery	22.10.2015	01.12.2015	01.12.2017
A2/2B 2 nd Floor	3xDPA500 /06x100kW / 240 x Marathon Battery	22.10.2015	01.12.2015	01.12.2017

* Warranty expiring date for Sprinter batteries, moved from 1st floor: 19.1.2017

APPENDIX 2, UPS Systems

A2/2 UPS SYSTEMS A- and B-SIDE

ZONE-SIDE	PRODUCT	INTERNAL NUMBER	TYPE	SERIAL NR:	DATE OF COMMISS.	END OF WARRANTY
A2/2-A	UPS FRAME	1	DPA500	5U171	22.10.2015	01.12.2017
A2/2-A	UPS FRAME	2	DPA500	5U172	22.10.2015	01.12.2017
A2/2-A	UPS FRAME	3	DPA500	5U173	22.10.2015	01.12.2017
A2/2-A	UPS MODULE	1	DPA 100kW	A5M475	22.10.2015	01.12.2017
A2/2-A	UPS MODULE	2	DPA 100kW	A5M476	22.10.2015	01.12.2017
A2/2-A	UPS MODULE	6	DPA 100kW	A5M454	22.10.2015	01.12.2017
A2/2-A	UPS MODULE	7	DPA 100kW	A5M479	22.10.2015	01.12.2017
A2/2-A	UPS MODULE	11	DPA 100kW	A5M478	22.10.2015	01.12.2017
A2/2-A	UPS MODULE	12	DPA 100kW	A5M477	22.10.2015	01.12.2017
A2/2-A	BATTERY	1...12	Marathon XL12V70, 240 pcs	-	22.10.2015	01.12.2017
A2/2-A	BATT. BREAKER	1...15	ABB Tmax 250 A	-	22.10.2015	01.12.2017
A2/2-B	UPS FRAME	1	DPA500	5U168	22.10.2015	01.12.2017
A2/2-B	UPS FRAME	2	DPA500	5U170	22.10.2015	01.12.2017
A2/2-B	UPS FRAME	3	DPA500	5U169	22.10.2015	01.12.2017
A2/2-B	UPS MODULE	1	DPA 100kW	A5M463	22.10.2015	01.12.2017
A2/2-B	UPS MODULE	2	DPA 100kW	A5M467	22.10.2015	01.12.2017
A2/2-B	UPS MODULE	6	DPA 100kW	A5M465	22.10.2015	01.12.2017
A2/2-B	UPS MODULE	7	DPA 100kW	A5M482	22.10.2015	01.12.2017
A2/2-B	UPS MODULE	11	DPA 100kW	A5M461	22.10.2015	01.12.2017
A2/2-B	UPS MODULE	12	DPA 100kW	A5M468	22.10.2015	01.12.2017
A2/2-B	BATTERY	1...12	Marathon XL12V70, 240 pcs	-	22.10.2015	01.12.2017
A2/2-B	BATT. BREAKER	1...15	ABB Tmax 250 A	-	22.10.2015	01.12.2017