



DET NORSKE VERITAS MANAGEMENT SYSTEM CERTIFICATE

Certificate No. CERT-09198-2003-AQ-HOU-RAB

This is to certify that the Quality System
of

ABB INC.
SUBSTATION AUTOMATION & PROTECTION DIVISION

at

7036 Snowdrift Rd., Allentown, PA 18106 USA

Has been found to conform to Quality Management System Standard:

ISO 9001:2000

This Certificate is valid for the following products/service ranges:

**DESIGN, MANUFACTURE AND APPLICATION OF PROTECTIVE RELAYS
AND SUBSTATION CONTROL EQUIPMENT**

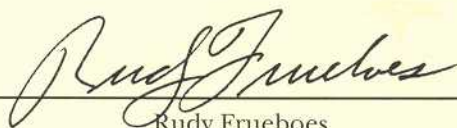
Place and date:

Houston, Texas; 04 August 2003

This certificate is valid until:

12 May 2006

for the Accredited Unit:
DET NORSKE VERITAS CERTIFICATION, INC.
Houston, TX USA

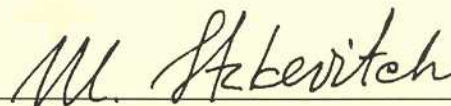


Rudy Frueboes
Management Representative
Det Norske Veritas Certification, Inc.



Initial Certification Date:

08 February 1995



Michael D. Itzkevitch
Lead Auditor

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the organization.
Lack of fulfillment of conditions as set out in the Appendix may render this certificate invalid.

DET NORSKE VERITAS CERTIFICATION, INC., 16340 Park Ten Place, Suite 100, Houston, TX 77084 USA TEL: (281) 721-6600 FAX: (281) 721-6903