

Data Sheet no. 0.6/3

Quality Management and Quality Assurance

1. General

The more than 100 years tradition of the production of HV test equipment in Dresden is closely related to the quality and reliability of the products and services. When the present HIGHVOLT company was a branch of the SIEMENS AG, a quality system was established on the basis of ISO 9001 as well as on the basis of the internal Siemens quality rules famous for its 150 years tradition. This system was certified by the German certification body DQS (Deutsche Gesellschaft zur Zertifizierung von Qualitätsmanagementsystemen mbH) on June 17, 1994 (Figure 2).

On such a basis the HIGHVOLT Prüftechnik Dresden GmbH established its own quality system for quality assurance in design, development, production, installation and servicing, specified in the International Standard ISO 9001.

The quality system is defined in the HIGHVOLT Quality Management Manual.

The Quality Management Manual defines the quality policy, stipulates the areas of responsibility and competence and settles all details of the review of the system by the management. Furthermore it describes the principle of functions and procedures of all instructions as well as the implementation into the practice of design, development, production, installation and service (Figure 1). The master list as an important part of the Quality Management Manual gives a survey of all HIGHVOLT documents applicable in the quality system, particularly process specifications, documented procedures; technological, working and testing instructions, fulfilling the respective functions and procedures fixed in the Quality Management Manual.

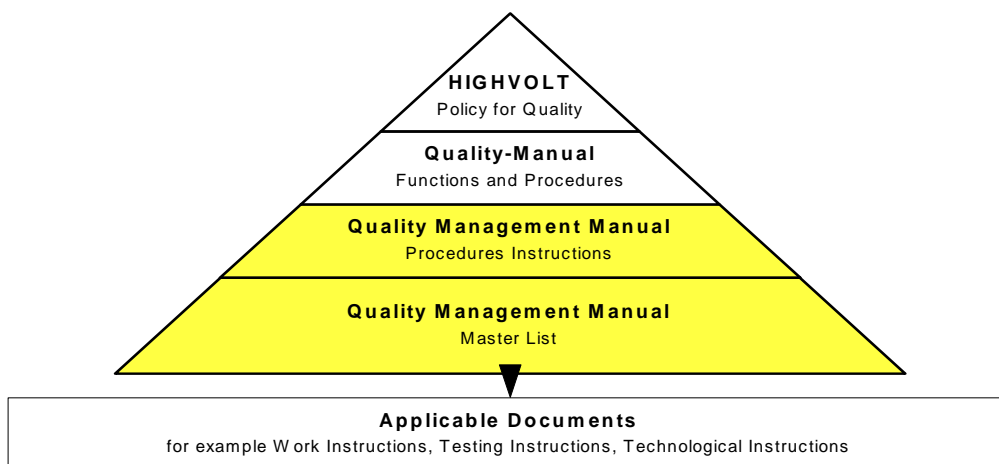


Figure 1

The Quality Management Manual is the official regulation for every employee of HIGHVOLT, it is the basis of the co-operation with sub-suppliers and partners and it is open for all clients of HIGHVOLT. The Quality Management Manual is permanently maintained and improved, it is periodical reviewed by the management and confirmed every year by

the certification body Bureau Veritas. The latest confirmation was given by Bureau Veritas on December 17, 2009 by a new certificate issue (Figure 3).

2. Quality System Procedures

The Quality Management Manual defines all

principles for the functions and procedures of the quality assurance and quality management. Company know-how can be found in the working instructions and other applicable documents for the HIGHVOLT unit. These documents supplement certain functions and procedures as special features, stipulating authority and responsibility to the same extent as the release and revision procedures.

The HIGHVOLT company established well defined procedures to the quality items 4.3 to 4.19 of the ISO 9001.

The specified procedures are primarily aimed achieving the satisfaction of the customer by preventing nonconformity at all stages from design through to servicing.

3. Quality planning

The part of the quality system that applies to certain products, projects, contracts or processes is specified in the quality plan. The responsible personnel record, the specific working procedures,

equipment and sequences of operations that affect quality are mentioned in this plan as required. This may take the form of references to the respective functions and procedures in the quality system. The approval and revision procedures are stipulated.

4. HV Testing and Calibration

As a specialist for HV testing, measurement and calibration, HIGHVOLT maintains its own measuring and testing systems on the highest technical level. All measuring systems are calibrated by the German national institute of standards, the Physikalisch-Technische Bundesanstalt (PTB) Braunschweig. All calibrations executed by HIGHVOLT are directly traceable to the PTB. Now the HIGHVOLT Calibration Laboratory has been accredited as a DKD Calibration Laboratory (Deutscher Kalibrierdienst) by the PTB. The HIGHVOLT high voltage measuring systems get a DKD certificate on customer's request.



Figure 2



Figure 3

For further information please contact:

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