Topics of the Third International DCC Conference

1 Data Handling / DCC Toolbox / Human Readable

1.1 Extraction of Content from the DCC

1.2 DCC-Related Tools

1.2.1 GEMIMEG-Tool

1.2.2 Tools from GEMIMEG Consortia

1.2.3 Human Readable

1.2.4 Middleware

1.2.5 Other Tools

2 DCC and Accreditation

2.1 Signatures and Security Mechanisms

3 DCC Infrastructure

3.1 Necessities for the Implementation of a DCC Infrastructure

4 Different DCC Approaches

4.1 PDF Approach

4.2 Other XML Specifications

4.3 Other Expressions

5 Digital Certificates in Metrology Based on the Digital Syntax (DX)

5.1 Digital Calibration Request (DCR)

5.2 Digital Calibration Answer (DCA)

5.3 Digital Test Certificates (DTC)

5.4 Digital Certificates for Reference Materials (DRM)

6 Further Developments in the Field of Digital Metrological Certificates

6.1 NIST Development on Digital Certificates for Reference Materials (DRM)

7 Good Practice (GP)

7.1 Status GP

7.2 How are GPs Created and Established?

8 Implementation Strategies

8.1 In the NMI

8.2 In the Calibration Laboratory

8.3 In Industry

9 Mutual Recognition Arrangement (MRA) Handling

9.1 CIPM MRA

9.2 ILAC MRA

10 Persistent Identifier

10.1 Global Identification Features of Calibration and Measurement Items

10.2 Unique Identifiers of Calibration and Measurement Items
10.3 Further Development of the Strategy for a Unique Identifier
11 Quality of Data
11.1 Results from GEMIMEG-II
12 Rules and Wording
12.1 The Rulebook
12.2 The Wording
13 Signatures and Security Mechanisms
13.1 Human Readable Signatures
13.2 Security Mechanisms
13.2.1 Hash-Based Security Mechanisms
13.2.2 Signature-Based Security Mechanisms
13.2.3 XML-Embedded Security Mechanisms
14 The DCC in Different Environments
14.1 The DCC in an Industrial Environment
14.2 The DCC in an Accredited Environment
14.3 The DCC in the NMI
15 The DCC Scheme / Validation
15.1 Status DCC Scheme
15.2 DCC Version 4.0 and DX
15.3 DCC Subschemas
15.4 Schematron
16 Traceability
16.1 Traceability to the National Standard
16.2 Traceability to Previous Calibrations