



Legal Metrology Working Group
Phone: + 55 51 3375-1202
Fax: + 55 51 3375-1071
E-mail: senna@inmetro.rs.gov.br

SIM

International Seminar on Software in Legal Metrology

Seminario Internacional sobre Software en Metrología Legal

27th and 28th August 2008, Buenos Aires

Program

27th August 2008

8h30min	Welcome words – presentation of speakers
9h	Dr. Jorge Cogno, INTI Software validation: what, why, how. Validation tools under the CMMI framework and their connection to WELMEC's risk class definition.
10h	Dr. Ulrich Grottker, PTB Legal Metrology in EU and Germany, MID, "New approach".
10h45min	Interval
11h	Dr. Ulrich Grottker WELMEC Guides 2.3/2.5 7.2. Secure Linux/Windows configuration.
12h30min	Lunch
13h30min	Dr. Ulrich Grottker OIML TC5/SC2 Draft Document 2CD. Practical example of a validation procedure: Metrological Data Flow Analysis DFA.
15h	Interval

- 15h15min Dr. Norbert Zisky, PTB
Basics for Trusted computing in legal metrology. Security analysis and security concepts. Data modelling. Protocols. Cryptography basics (hash algorithms, symmetric and asymmetric cryptography). Public key infrastructures.
- 17h15min Discussion – Questions
- 17h30min Closure of first day

28th August 2008

- 9h Dr. Norbert Zisky
Experiences, Applications and new Developments. Extended report about the technique and field test of a long term project using cryptography in meters. Real running applications in legal metrology using cryptography.
- 10h Dr. Norbert Zisky
Protection of POS systems and measurement systems against manipulations. New concept for the protection of POS against different attacks.
- 11h Interval
- 11h15min Dr. Norbert Zisky
Practical demonstrations of the use of cryptography. Demonstration of Hash functions, elliptic curve cryptography, cryptographic verification tools and test tool and card handling.
- 12h30min Lunch
- 13h30min Maximiliano Benavides Salazar
Ámbito y requerimientos legales para la aprobación de modelo de surtidores de combustibles líquidos. Autenticación de hardware.
- 15h Interval
- 15h15min Maximiliano Benavides Salazar
Autenticación de software, demostración práctica. Resultados actuales y tendencias en la aprobación de modelo de surtidores de combustibles líquidos.
- 15h15min Discussion – Questions
- 17h30min End of Seminar