

# Healthcare Information Exchange and Interoperability

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## Abstract:

As now the interoperability become a practical aspect of MEE use in the healthcare, the paper focus in the links between the Essential Performance, Clinical Function and the Interoperability.

Interoperability will increase patient safety, reduce costs and improve efficiencies in the operating room and other clinical settings.

Device integration and interoperability could help physicians make sense of disparate patient data and clinical function of MEE.

A particular reference to the Essential Performance requested by third edition of IEC 60601-1 standard and his First Amendment is done for a better understanding of the needs of the interoperability.

## Short bio:

Steli Loznen is the QA & Certification Manager and Head of Medical Devices Evaluation Services of Israel Testing Laboratories Ltd. He received his M.Sc. in Electronics from the Polytechnic Institute of Bucharest in 1974. In Israel he works for the Tel Aviv University - Department of Biomedical Engineering as Lecturer for Clinical Engineering and Medical Ethic, was Managing Director of Stelco-Bioengineering Ltd., was a Lecturer for Standardization of Electrical and Electronic Equipment at the Center for Technological Education Holon. He is also the Coordinator of ETL and TUVRNA Inspections Center Tel Aviv. He has written 6 books and over 42 papers. His works focus on international regulation and safety of medical and laboratory electrical equipment.

SteliLoznen is the Co-convener for IEC Sub-Committee 62A/WG14 – Testing of Medical Electrical Equipment , serves as Convener of SC62A/MT 29 – Mechanical Hazards and was the Project Leader for the best seller IEC/TR 62354:2009 "General testing procedures for medical electrical equipment". He is also member of IECCE – CTL (Committee for Testing Laboratories) – RMETF MED (Risk Management Experts Task Force for Medical Equipment) and participates as Technical Assessor on the Peer Assessment Team for CB Scheme. SteliLoznen is one of the Charter Members of the IEEE-Product Safety Engineering Society (2005) and from 2012 Member of Board of Directors of IEEE-PSES. SteliLoznen is also member of A2LA Accreditation Council.