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The Convergence of Technologies Generates Convergence in the Regulations

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The convergence of nanotechnologies generates synergies among different technologies to say, nanotechnologies, nanotechnology, computers and biotechnology, these technologies must converge (7) their regulations, the application of medical devices in nanotechnologies should lead us to a link between the technical committee TC 210 and ISO technical committee 229 links that does not exist in our work in this moment. In this we do an analysis of the management of risk from an optical NC-ISO 14971 (1). Studying the global trend in this respect as imported for manufacturers medical devices worldwide. The convergences of technologies are a consequence of an atomic precision, where the boundary between the biotic and abiotic mute blur the interaction. The interaction between nanotechnologies, biotechnology and informatics and communications (NBI) generates a synergy of unusual consequences of all is known that the industry of semiconductor (5)s is the one of greatest precision that is atomic, the new medical devices that will be applied in the teranocis will dose physical principles that will be governed under the laws of quantum mechanics (4), but there are two problems that have not been solved even though they are one the non-existence of quantum biology and the transition from quantum to classical mechanics. On the other hand, the redefinition of the international system of units based on the universal constants that will be implemented by 2018 has a deficiency that is the second that redefirms implies redefinition of the meter the chain of traceability proposed for nanometrology presents a serious difficulty when putting the microcopy of atomic force wing of effect tunnel situation that is changing the verification of the Wiedemann-Franz law (8) at atomic level yields a result where the phononic component is taken into account, a result that launches STM to the cusp of the chain of traceability above inclusive of interferometry.

Biography:

Guillermo Valdes Mesa born in Havana, Cuba in 1962, graduated in Physics in 1985, working for the Microelectronics Industry, as head of final control investigations degradation production of electronic components, working for the Electronics Industry, department of reliability, characterization work performed Luma-Chroma plate worker Research Institute of Metrology, work Challenges of Metrology in Cuba in the era of nanotechnology. Work published in the ISO TC 229, ISO TC229/IEC 113, required for conformity assessment of research and nano-scale productions Tool page, Master of Science.