



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, neurotechnology, 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 link that does not exist in our work in this moment In this 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 is a consequence of 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 greater 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

1.Guidance on the Determination of Potential Health Effects of Nanomaterials Used in Medical Devices (SCENIHR adopted this opinion by written procedure on 6 January 2015)

2. ISO TC 229 (all standard)

3. ISO TC 210 (all standard)

4.24th meeting of the General Conference on Weights and Measures (2011

5.SEMICONDUCTOR RESEARCH OPPORTUNITIES An Industry Vision and Guide March 2017

6.Working Safely with Nanomaterials in Research & Development Second Edition May 2016

7 Handbook of Science and Technology Convergence William S. Bainbridge and Rocco Michael 2016

8 Heat transport through atomic contacts Nico Mosso*, Ute Drechsler, Fabian Menges, Peter Nirmalraj, Siegfried Karg, Heike Riel and Bernd Gotsmann



9 Report of the scientific conference:
Science Based Support for Regulation of
Manufactured Nanomaterials

by Prosafe and hosted by the
OECDKeywords: Pseudopotential;
Abinitio study; Debye law; Alloys;
Quantum Espresso.

Organised

[Webinar on Materials Chemistry & Science; June 22, 2020; Tokyo, Japan](#)

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