



Sustainable Competence
in Advancing Healthcare



SELF REGULATORY INITIATIVE FOR MEDICAL IMAGING EQUIPMENT

1ST ANNUAL FORUM

PARTNERSHIP FOR UPCOMING TOPICS

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RESOURCE EFFICIENCY

- Resource efficiency is a debated issue at the moment:
 - A resource-efficient Europe – flagship initiative under the Europe 2020 strategy
 - Motion for a European Parliament Resolution on the Roadmap for a Resource Efficient Europe
- The use of resources is an environmental aspect that could be included in the six step SRIv2 methodology for the definition of ecodesign targets.
- Such approach would require a clear definition of the concept of “resource efficiency” applied to medical imaging equipment and a measurement methodology.
- The SRI would ensure the continuous improvement of the “resource efficiency” performances.



GREEN PUBLIC PROCUREMENT

- Green Public Procurement criteria have been defined for 19 product groups. SEMCO is running a project to develop GPP criteria for Medical Devices. COCIR is cooperating providing the findings of the SRI initiative such as:
 - Market data
 - Operating Mode definitions
 - Measurement methodology
 - Product performances

SRI OBJECTIVE is to improve the environmental performances of all products.

GPP OBJECTIVE is to improve market for equipment with top environmental performances

- COCIR SRI is providing the GPP project with information and the know-how that would not be available otherwise.
- It is important that SRI and GPP criteria are aligned not to overburden companies (e.g by requiring a different measurement methodology)



MATERIAL DECLARATION

IEC 62474

The International Standard establishes requirements for reporting of substances and materials, standardizes protocols, and facilitates the transfer and processing of data.

The standard is complemented by a database (IEC 62474 DB) which specifies to the electrical and electronics industry and its suppliers:

1. What substances, substance groups and material classes need to be included in material declarations;
2. Specifications on the data format for the exchange of material declaration data.

BOMCHECK

BOMcheck is an industry led solution which was launched by COCIR in June 2008 and which benefits all sectors of the electronics industry.

www.BOMcheck.net is a shared industry-led web database system which provides tools and guidance for suppliers to publish and maintain their materials declarations in international standard formats for their customers to access.



ENVIRONMENTAL FOOTPRINT

- DG ENVI is now working with the Commission's JRC and other European Commission services towards the development of a **harmonised methodology for the calculation of the environmental footprint of products** (including carbon footprint).
http://ec.europa.eu/environment/eussd/product_footprint.htm
- NEMA, the U.S. Electrical Manufacturer Association is developing in cooperation with MIT a methodology to assess the carbon footprint of EEE. Medical Imaging Devices will be part of the research.
- Once the general methodology would be defined, the SRI would prove useful to define the Product Footprint Category Rules (PFCRs) which "aim at providing detailed technical guidance on how to conduct a product environmental footprint study. PFCRs complement general methodological guidance for environmental footprint by providing further specification at the product level. PFCRs will increase reproducibility and consistency in product environmental footprint studies".
- The SRI therefore could provide the required data and product knowledge to define the methodology for the calculation of environmental footprints of medical devices and could include it in the SRIv2 six step methodology to provide additional information of product performances.



ENVIRONMENTAL PRODUCT DECLARATION

- An EPD is a standardized (ISO 14025/TR) and LCA based tool to communicate the environmental performance of a product or system, and is applicable worldwide for all interested companies and organizations.
- In 2007 an IPP project involving some COCIR Companies, the Hamburg Authority for Environment and several hospitals and clinics in Hamburg developed a format for EPDs, collecting all relevant information for users.
- The Ecodesign Steering Committee developed a model for an EPD in the SRIv2 collecting all the relevant information identified by the IPP project in 2007.
- The SRI EPD model is a flexible tool that can be modified to provide users interested parties relevant environmental information and to provide harmonization with the discussed on-going projects.



BALANCING ENVIRONMENT AND PATIENT BENEFITS

- The definition of functional unit and ecodesign targets and their relationship proved to be the most challenging aspect of the SRI.
- We can measure consumption (energy, resource etc).
- Medical devices have to deliver benefits for patients
- We need a link between consumption and benefits of medical devices.
- The Steering Committee in the framework of SRI is trying to define a scientific methodology to develop and measure efficiency taking into account benefits.



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Thank you very much