



Sustainable Competence
in Advancing Healthcare



COCIR SELF-REGULATORY INITIATIVE FOR MEDICAL IMAGING EQUIPMENT

ACTIVITIES AT EU AND INTERNATIONAL LEVEL



AHWP JOINT WORKSHOP

November 19, 2014, Seoul

- Asian Harmonization Working Party (AHWP) is established as a non-profit organization. Its goals are to study and recommend ways to harmonize medical device regulations in the Asian and other regions.
- DITTA attended the event with 2 presentations on:

Medical Device Refurbishment
healthcare in a circular economy

DITTA PRESENTATION 1

DITTA GLOBAL BIOMEDICAL IMAGING, HEALTHCARE IT & RADIATION THERAPY TRADE ASSOCIATION

We don't take good care of ourselves
Obesity, heart disease and cancer are global health issues that are worsened by the way we live.



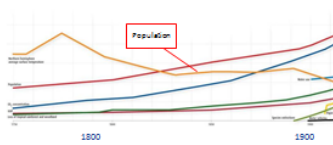
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Demand for care is growing
There are simply not enough nurses and doctors to cope with our growing (and aging) population. Rising healthcare costs are unsustainable.



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BUT IS IT SUSTAINABLE?




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CIRCULAR ECONOMY IS ALL ABOUT RETAINING VALUE

Linear economy



Circular economy



A circular economy aims to decouple economic growth from the use of natural resources by using those resources more effectively.

For a sustainable world, the transition from a linear to a circular economy is a necessary boundary condition.

Product refurbishment, improving reusability and new business models away from product ownership, will help us in the right direction.



DITTA PRESENTATION 2

Our refurbishing facilities cover the worldwide demand for ecoline systems

SIEMENS

Forchheim, Germany

Chicago (IL), USA

- Headquarters
- Refurbishment
- Trade-Desk
- Part Harvesting

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Page 13 October 23, 2014

DITTA Good Refurbishment Practice (GRP) Selection: Only the very best systems qualify

SIEMENS

- Age and technology level
- Condition, service history performance
- Upgradeability of software

After the purchase of an ecoline system the "Green Program" package is waiting for you

When purchasing an ecoline system, ask us for the "Green Program" package. We have prepared your individual set with your CO₂ savings and planting certificate.

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Page 15 October 23, 2014

Commitment to Good Refurbishment Practice (GRP) Joint position of COCIR*, JIRA* and MITA* as DITTA* members

SIEMENS

COCIR INDUSTRY STANDARDS

GOOD REFRUBISHMENT PRACTICE (GRP)

PURPOSE

1. To establish a common framework for the selection and refurbishment of medical equipment, ensuring the highest quality and safety of the equipment used in medical facilities.

2. To ensure that the equipment is selected and refurbished in a way that is environmentally friendly and sustainable.

3. To ensure that the equipment is selected and refurbished in a way that is cost-effective and provides the best value for money.

4. To ensure that the equipment is selected and refurbished in a way that is safe and secure for the patient and the staff.

5. To ensure that the equipment is selected and refurbished in a way that is compliant with all applicable regulatory requirements.

6. To ensure that the equipment is selected and refurbished in a way that is transparent and accountable to all stakeholders.

7. To ensure that the equipment is selected and refurbished in a way that is consistent with the DITTA* mission and vision.

8. To ensure that the equipment is selected and refurbished in a way that is aligned with the DITTA* values and principles.

9. To ensure that the equipment is selected and refurbished in a way that is in line with the DITTA* strategic objectives.

10. To ensure that the equipment is selected and refurbished in a way that is in line with the DITTA* long-term goals.

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Page 17 October 23, 2014

GOOD REFRUBISHMENT PRACTICE FOR MEDICAL EQUIPMENT

GOOD REFRUBISHMENT PRACTICE FOR MEDICAL EQUIPMENT

COCIR - Non-profit European Coordination Committee of the Radiological, Electromedical and Healthcare IT Industry
JIRA - Japan Medical Imaging and Radiological Systems Industries Association
MITA - Medical Imaging & Technology Alliance, USA

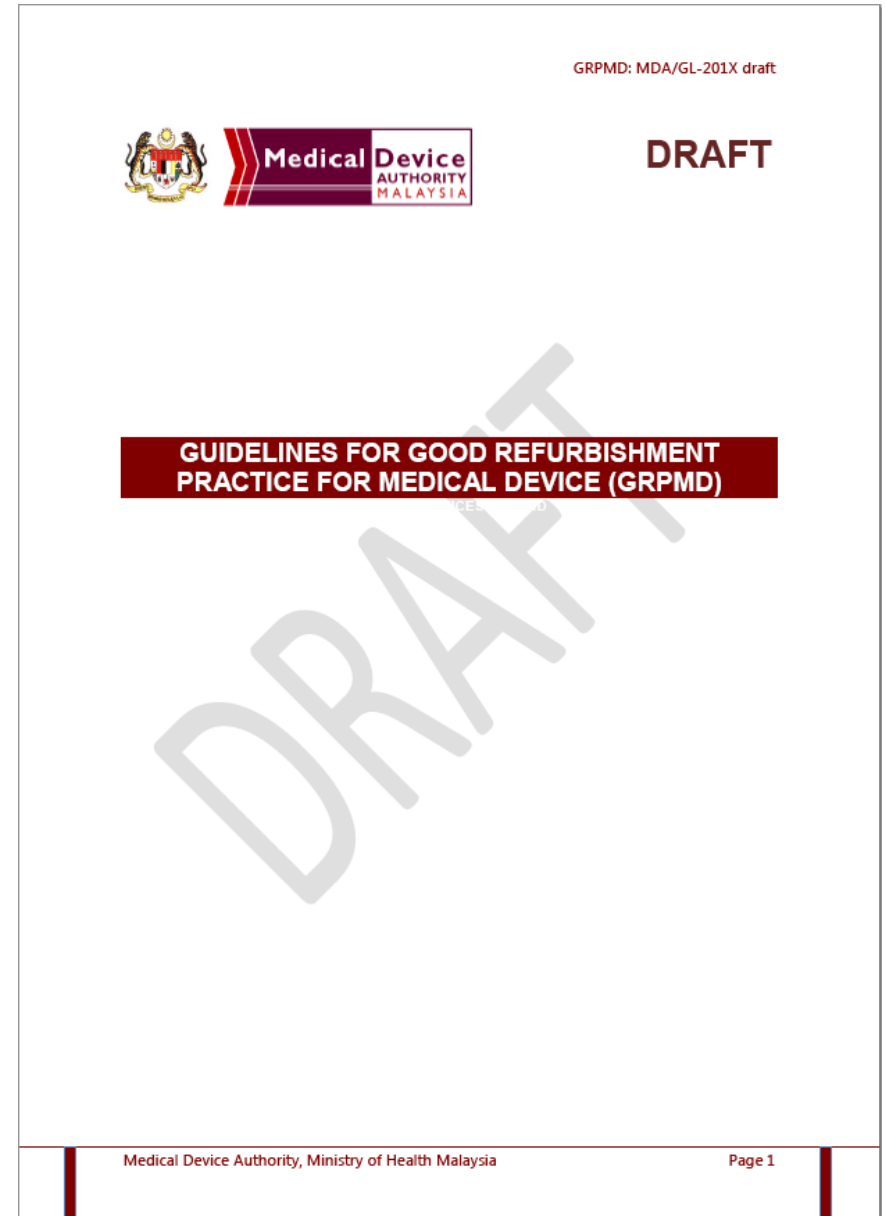
DITTA is the Global Diagnostic Imaging, Healthcare IT, and Radiation Therapy Trade Association

Siemens Healthcare | HC | Medical Systems



MALAYSIA

Guidelines for good refurbishment practice for medical devices





MALAYSIA GRP

Preface

1. Objective

2. Scope

3. Terms and definitions

4. Medical device for refurbishment

5. Organisational framework for refurbishment

6. Refurbishing process

6.1 Step 1 / Selection of medical device for refurbishment

6.2 Step 2 / Disassembly, Packaging and Shipment

6.2.1 Disassembly

6.2.2 Packaging & Shipment

6.3 Step 3 / Refurbishment

6.3.1 Cleaning & Disinfection

6.3.2 Refurbishment Planning

6.3.3 Cosmetic Refurbishment

6.3.4 Mechanical and Electrical Refurbishment and System Configuration

6.3.5 System Testing

6.3.6 GRP Declaration (Release)

6.3.7 Packaging & Shipment

6.4 Step 4 / Reinstallation of Refurbished Medical Device

6.5 Step 5 / Professional Services

Conclusion



GOING GREEN 2014



Going Green CARE INNOVATION 2014

Conference Program

Towards a Resource Efficient Economy

10th International Symposium and Environmental Exhibition

An event to discuss future strategies, meet your clients and form strategic partnerships

November 17 – 20, 2014
Schoenbrunn Palace Conference Centre
Vienna, Austria





COCIR PRESENTATIONS

- Industry Self-Commitment in the Ecodesign of Medical Imaging Equipment
- Refurbishment of Medical Systems – Contribution to Circular Economy and Sustainability
- The Impact of RoHS and REACH on the Medical Device Industry



COCIR PRESENTATION AND PAPER ON THE SRI






Sustainable Competence
in Advancing Healthcare

COCIR SELF COMMITMENT IN ECODESIGN OF MEDICAL IMAGING EQUIPMENT

GOING GREEN 2014: CARE INNOVATION
Vienna, 19 November 2014

Riccardo Corridori
COCIR Environmental Affairs Manager

page 1

INDUSTRY SELF-COMMITMENT IN THE ECODESIGN OF MEDICAL IMAGING EQUIPMENT

Riccardo Corridori
COCIR – European Coordination Committee of Radiology, Interventional and Healthcare IT Industry

Abstract: The objective of this paper is to illustrate the achievements and results of the COCIR Self-Regulatory Initiative (SRI) in the eco-design of medical equipment. COCIR, the European coordination Committee of the Radiological, Interventional and Healthcare IT Industry launched in 2008 a SRI with the European Commission in compliance with the requirements specified by the REPF Directive, to reduce the environmental impact of medical imaging equipment through eco-design.

The initiative, officially acknowledged in 2012 by the EC Commission has already provided significant results and the findings have been already used in the project, launched by the European Commission, to develop criteria for the Green Public Procurement of medical devices.

1. THE COCIR SRI

Companies in the medical technology sector have always been very proactive in addressing environmental aspects at the design stage, maintaining a balance with performance and safety of medical devices. Environmental impacts created in the product life cycle such as manufacturing by production, distribution, use and at the product's end of life can be best managed/optimized during the product specification and design phase. At this stage, all environmental aspects, occurring in the product life cycle, can be taken into account.

With the publication of the Eco-Design Directive in 2005 and the definition of the first implementing measures, COCIR companies realized that the Directive approach, if applied to medical devices, would have brought limited benefits but would have hampered flexibility in the adoption of design solutions to achieve the best possible overall performance. Therefore COCIR companies came together in 2007 to define and launch a project for a voluntary initiative, based on the long experience in eco-design, to be proposed to the European Commission as an alternative to regulatory requirements. COCIR companies were sure they could have addressed the same results with the Directive or even better, than any implementing measure with mandatory regulatory requirements on eco-design.

During the EC Consultation Forum starting on 28 July 2008 COCIR presented its first proposal for an industry-led Self-Regulatory Initiative on eco-design of medical imaging equipment.

After a first complete revision in 2011, every result of assessment and thanks to the results of a pilot project focused on ultrasound equipment, the COCIR SRI was submitted to the European Commission and Consultation Forum in January 2012. It has been officially acknowledged by the EC in November 2012. In 2013 an updated and improved 2nd version has been published by COCIR.

The SRI applies to the following imaging equipment:

- Magnetic Resonance Imaging equipment (MRI)
- Computed Tomography (CT)
- Nuclear Medicine (NM)
- X-ray
- Ultrasound (US)
- Therapy equipment (starting from 2014)

Since 2008, every year, a new modality is brought into focus of the methodology for the definition of eco-design goals.

2. THE SRI METHODOLOGY

The SRI methodology [1] is the methodology participating companies follow to set eco-design targets for their products and ensure that they are achieved.

The purpose of the SRI methodology is to:

- Provide a transparent and continuous process to control the application of eco-design targets while generating company confidential information.
- Set a priority response for the equipment evaluation.



COCIR DEDICATED PAGE FOR GPP



COCIR
SUSTAINABLE COMPETENCE IN ADVANCING HEALTHCARE

EUROPEAN COORDINATION COMMITTEE OF THE RADIOLOGICAL, ELECTROMEDICAL AND HEALTHCARE IT INDUSTRY

MEMBERS AREA

type your keyword

ABOUT COCIR | OUR INDUSTRY | ACTIVITIES | POLICIES | INITIATIVES | MEDIA CENTRE | MEMBERSHIP



Home / Initiatives / Ecodesign Initiative / Good Environmental Practices

- HEALTHY AGEING (EIP/AHAIP)
- HEALTH TECHNOLOGY ASSESSMENT (EUNETHTA)
- CANCER INITIATIVE (EPAAC)
- CT DOSE OPTIMISATION
- EQUIPMENT MAINTENANCE
- REACH GUIDANCES
- GOOD REFURBISHMENT PRACTICE
- ECODESIGN INITIATIVE
- SRI METHODOLOGY
- SRI STATUS REPORTS
- 4TH ANNUAL FORUM 2015
- PAST ANNUAL FORUMS
- CONFERENCES AND EVENTS

GOOD ENVIRONMENTAL PRACTICES

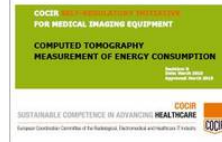
As parts of its commitments in the context of the Self-regulatory Initiative COCIR developed methodologies for the measurement of the energy consumption of medical devices. Such methodologies allow to measure the energy consumption of medical devices according to specific use scenarios in a repeatable and comparable way. As part of the EU Green public Criteria for medical devices, the methodologies are designed to provide purchasers with all the information they need to calculate running costs and to choose the best equipment for their needs.

Recognizing the importance of a correct user behavior to save energy COCIR developed Guidelines to provide users with recommendations on how to save energy. The Guidelines also quantifies the savings for average equipment in terms of energy and euros.

Measurement methodology

Guidelines for users on saving energy

COMPUTED TOMOGRAPHY



MAGNETIC RESONANCE

