

# PUBLICLY AVAILABLE SPECIFICATION

## PRE-STANDARD

Good refurbishment practices for medical imaging equipment

Withdrawn



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**Good refurbishment practices for medical imaging equipment**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**GOOD REFURBISHMENT PRACTICES  
FOR MEDICAL IMAGING EQUIPMENT**

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## INTRODUCTION

Keeping up with the latest innovations in medical technology often involves replacing equipment in medical practice before it reaches the end of its expected service life. This is because innovation cycles for medical technology are much shorter than the functional lifecycle of capital equipment. As a result, a sustainable resource management model is required: early replacement of installed medical imaging equipment by newer technology is more economically feasible if the residual value of the existing medical imaging equipment is utilized.

Conserving assets is a fundamental principle of ecological thinking in a recycling economy. Several medical imaging equipment companies have already set up quality management systems to refurbish used medical imaging equipment and have delivered this refurbished equipment across the healthcare sector for many years. Refurbishment addresses the high demand for affordable and reliable products. Customers of this used equipment are not only small hospitals with limited budgets but also leading medical institutes. The EU and the US represent by far the two largest markets for refurbished medical equipment. Refurbishment of used medical imaging equipment is a well-established element of the healthcare economy.

If used medical imaging equipment is not accurately maintained according to requirements defined by the manufacturer, it may result in additional risk for patients and operators. Consequently, some countries have imposed bans on the importation of used medical imaging equipment to protect public health. These bans fail to distinguish between quality-assured refurbished medical imaging equipment and second-hand medical imaging equipment of undefined quality, with the effect that patients may be denied access to the safe and economical medical imaging equipment they need.

Safety and effectiveness are the most important aspects to consider with medical imaging equipment, including used equipment. To ensure safety and effectiveness, used medical imaging equipment has to be refurbished in a highly specialized and quality-assured way.