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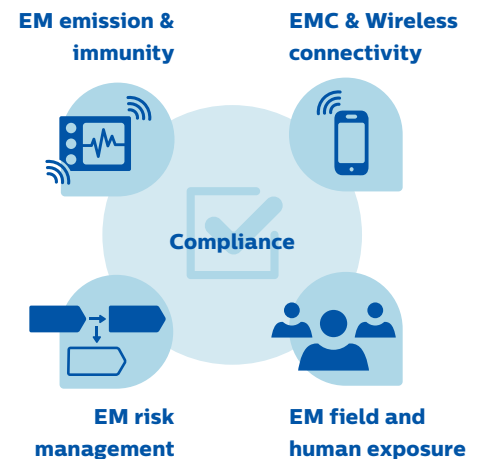
Innovation
Services

Design for
reliability solutions

Design for EMC approach, toolbox & training

Design for EMC The widening scope of EMC

Electromagnetic compatibility (EMC) is no longer just about emission and immunity, but also about signal and power integrity of high-speed interfaces (SI & PI), electromagnetic risk management (EM RISK), exposure of humans to electromagnetic fields (EMF), and the reliable performance of wireless telecommunication devices (RF).



New medical EMC standard IEC 60601-1-2:2014

The 4th edition of the medical EM standard IEC 60601-1-2:2014 will become mandatory in the United States and the European Union from December 31st 2018 onwards. This new edition will have a major impact on the medical industry.

Design for EMC approach

With requirements becoming up to ten times more stringent, our experience shows that your design teams need a new way of working. Further optimization of current processes is not going to provide the results the standard demands. As center of expertise and innovation service provider

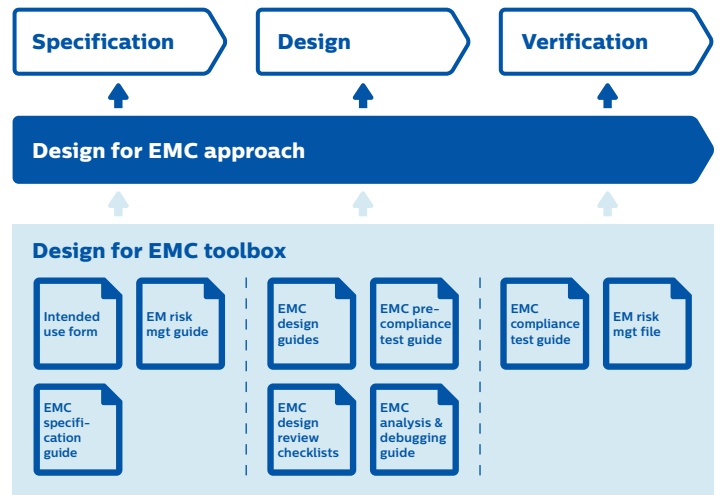
on EMC, we can support you with Design for EMC approach focused on the 4th edition. An approach that accelerates your innovation process by pro-actively 'designing-in' EMC compliance, preventing costly and time-consuming corrective actions at the very end. Please note: the approach is fully compliant with Philips' New Product Development & Launch Process.

Design for EMC toolbox

A practical and state-of-the-art Design for EMC toolbox supports the approach. A toolbox with design guides, checklists, test guides etc., that will help your electrical and mechanical design teams to make first-time-right product designs (figure right: new product development & launch process).

Design for EMC training

We support an effective and efficient roll-out of the approach and the toolbox via a two-day training where participants will learn how to integrate EMC compliance systematically into every phase of the new product development and launch process. The training is focused on the 4th Edition of the Medical EMC Standard IEC 60601-1-2:2014.



Intended for	<ul style="list-style-type: none"> • Electrical and mechanical architects, project managers, quality managers, compliance officers, electronic designers, quality engineers, EMC experts and test engineers • Educational level: BSc/MSc in electronics, physics or mechanics
Lenght	2 consecutive days
Venue	On-site
Language	English
Award	Certificate of completion
Methods	<ul style="list-style-type: none"> • Lectures supported by practical demonstrations and exercises • Workshop in small groups on dedicated EM risk management case
Contents	<p>Day 1</p> <ol style="list-style-type: none"> 1. Introduction 2. Design for EMC procedure 3. EMC specification 4. EMC design guidelines 5. EMC standards & test methods (IEC 60601-1-2:2014) <p>Day 2</p> <ol style="list-style-type: none"> 6. EM risk management 7. Workshop case EM risk management 8. EMC consultancy support participants' products
Information	Apart from a pdf version of the course materials, all participants will receive the Design for EMC toolbox with checklists, specification, design and test guides
Group size	Min. 12 – Max. 20 staff
On-site equipment	1 spectrum analyzer with tracking generator

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