

FOR-EMC Project Framework 5, Growth Programme, Thematic Network

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Summary

- The Single European Market
 - The New Approach
 - New Approach Directives
 - The EEA
- FOR-EMC
 - Acronym/Title
 - Aims
 - Objectives
 - Deliverables
 - Co-ordinator and Principal Contractors
 - Members
 - Steering Committee

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The Single European Market

- 'Common market' - Treaty of Rome 1957 - EEC
- Single European Act 1985
- Single Market – an area without frontiers – free movement of goods

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New Approach to Technical Harmonisation

- New Approach Directives specify essential requirements
 - Technical details agreed separately by European standards bodies eg CEN, CENELEC
 - New approach Directives provide for total harmonisation
 - Conformance routes set out
 - Compliant products can carry the CE Marking and sold anywhere in the EEA

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New Approach Product Directives

- Low Voltage
- Simple pressure vessels
- Toys
- Construction Products
- Electromagnetic Compatibility
- Machinery
- Personal protective equipment
- Non-automatic weighing instruments
- Gas appliances
- Active implantable medical devices
- Radio & Telecommunications Terminal Equipment
- Equipment for use in potentially explosive atmospheres

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New Approach Product Directives

- Medical Devices
- Recreational Craft
- Lifts
- Explosives for civil use
- In-vitro diagnostic medical devices
- Pressure equipment
- Cable Cars
- Hot Water Boiler Efficiency
- Measuring Instruments (still in draft)

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The European Economic Area

<ul style="list-style-type: none"> •Austria •Belgium •Denmark •Finland •Germany •Greece •Ireland •Italy •Luxembourg 	<ul style="list-style-type: none"> •Netherlands •Portugal •Spain •Sweden •United Kingdom <p style="text-align: center; font-size: 24pt;">15 + 3</p>	<ul style="list-style-type: none"> •Iceland •Liechtenstein •Norway
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The European Economic Area Growth

18 + 10	<p>Candidate Members:</p> <ul style="list-style-type: none"> •Poland •Hungary •Czech Republic •Slovakia •Slovenia 	<ul style="list-style-type: none"> •Latvia •Lithuania •Cyprus •Estonia •Malta
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FOR-EMC

- **COMPETITIVE AND SUSTAINABLE GROWTH (GROWTH) PROGRAMME**
- Thematic Network
- Project acronym: **FOR-EMC**
- Project full title:
Forum of laboratories implementing EU Electromagnetic Compatibility Directive
- Project Duration: 27 Months

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FOR-EMC

- Network of EMC laboratories on a European scale, not only from the present Member States but also from the members of the enlarged Union in the near future.
- Thematic network of EMC laboratories will aim to enhance collaboration between European units in order to prepare laboratories in the Candidate States for the process of implementation of the EMC Directive.

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- promotion of the EMC Directive;
- propagation of European practice and requirements;
- promotion of application of harmonised standards and clarification of related ambiguities;
- elimination of problems in the implementation of ISO/IEC 17025;
- raising awareness of the role of EMC laboratories and competent bodies;
- progress in qualifications of the operating personnel;
- promoting the use of full-compliance equipment and appropriate test set-ups;
- collection of generic knowledge related to the implementation of New Approach Directives.

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In order to meet the objectives of the network 6 work packages have been designed. They will produce the following output:

- 4 guidebooks
- 5 workshops
- a database containing information about EMC laboratory resources
- a programme of training meetings in experienced EMC laboratories
- a series of intercomparison exercises with evaluation reports
- a web-site, an e-mailed and printed newsletter

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Co-ordinator:

- **Institute of Logistics and Warehousing; Laboratory of Automatic Identification Technologies**, Poland

Principal Contractors:

- **York EMC Services Ltd.**, York (UK)
- **Ce-test, qualified testing ce-test (NL)** The Netherlands
- **Telecom Italia Lab S.p.A.**, Italy
- **Nemko AS**, Norway
- **eLABs**, France
- **The Physikalisch-Technische Bundesanstalt (PTB)**, Germany

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FOR-EMC Members 1

- Slovenian Institute of Quality and Metrology SIQ, Slovenia
- SEMKO Ab ITS - Intertek Testing, Sweden
- EMC S. r. l., Italy
- ARC Seibersdorf research GmbH, Austria
- Vyskumny ustav spojov (Research Institute of Post and Telecommunications), Slovakia
- Slovak University of Technology, Faculty of Electrical Engineering and Information Technology, Slovakia
- Institute of Telecommunication and Acoustics, Wroclaw University of Technology, Poland
- The Electrotechnical Institute, Poland
- Industrial Research Institute for Automation and Measurements, Poland

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FOR-EMC Members 2

- Department of Applied Electrical Engineering & Instrument Transformers K-23 TECHNICAL UNIVERSITY OF LODZ, Poland
- Hungarian Institute for Testing and Certification of Electrical Equipment Ltd., Hungary
- Laboratory for EMC, Dept.of Electrical Measurements, Romania
- Tallinn Technical University, Estonia
- UAB Elektromagnetinio suderinamumo mokslinio tyrimo centras EMC, Lithuania
- Technical Centre of Telecommunications and Post Prague TESTCOM, Czech Republic
- Bolls Raadgivning, Denmark
- National Centre for Scientific Research "Demokritos", Greece
- Centro Espanol de Metrologia, Spain
- SGS FIMKO, Finland

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