

Overview of collected standardization needs by CEN-CENELEC/STAIR and related EURAMET projects – Version 22th June 2015

EMRP 2013 Call on Environment and Energy

Technical body	Unaddressed need	Selected research topic (SRT)	Joint Research Project
Sector Forum Energy Management	Carbon Capture and Storage	SRT published, proposal received. Proposal was marked as suitable for funding but there was insufficient funding for it to be contracted. http://www.emrponline.eu/call2013/SRTs/SRTv06.pdf	
CEN/TC 19 Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin	Density vs. temperature relationships of current fuels, biofuels and biofuel components	SRT published, proposal received. Proposal was marked as suitable for funding but there was insufficient funding for it to be contracted. http://www.emrponline.eu/call2013/SRTs/SRTg01.pdf (However a project on biogas was funded. http://www.emrponline.eu/call2013/SRTs/SRTg06.pdf)	ENG54 Biogas - Metrology for biogas
CEN TC 67 Ceramic Tiles	Overview on unaddressed standardization needs for testing and measurements in the field of ENERGY and ENVIRONMENT for CEN/TC 67 “Ceramic Tiles”	No SRT was published.	
CEN/TC 126 - Acoustic properties of building elements and of buildings	"building acoustics" needs for testing and measurement	SRT published, proposal received. Proposal was marked as suitable for funding but there was insufficient funding for it to be contracted. http://www.emrponline.eu/call2013/SRTs/SRTv16.pdf	

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CEN/TC 264 - Air quality	<p>CEN/TC 264 deals with the standardisation of methods for air quality characterisation of emissions, ambient air and indoor air. Our standardisation work also includes climate change aspects, such as determination of Green House Gas emissions.</p> <p>Unaddressed standardization needs for testing and measurement which could be considered by EURAMET are:</p> <ul style="list-style-type: none"> - Performance of reference methods at low concentrations - Identification of new monitoring requirements from new IED 	<p>5 related SRTs were published, all received proposals and were funded</p> <p>http://www.emrponline.eu/call2013/SRTs/SRTv11.pdf http://www.emrponline.eu/call2013/SRTs/SRTv04.pdf http://www.emrponline.eu/call2013/SRTs/SRTv02.pdf http://www.emrponline.eu/call2013/SRTs/SRTv05.pdf http://www.emrponline.eu/call2013/SRTs/SRTv14.pdf</p> <p>2 further SRTs were published, proposals were received and marked as suitable for funding but there was insufficient funding for them to be contracted.</p> <p>http://www.emrponline.eu/call2013/SRTs/SRTv10.pdf http://www.emrponline.eu/call2013/SRTs/SRTv13.pdf</p>	<p>ENV51 MeTra- Traceability for mercury measurements ENV52 HIGHGAS – Metrology for high-impact greenhouse gases ENV55 MetNH3 – Metrology for ammonia in ambient air ENV56 KEY-VOCs – Metrology for VOC indicators in air pollution and climate change ENV60 IMPRESS – Metrology to underpin future regulation of industrial emissions</p>
CEN/TC 292 'Characterization of waste'	<p>Unaddressed standardization needs are: Nano waste, colloids and the end of waste criteria and methods on how to check whether a waste is behaving conform the end-of-waste criteria.</p> <p>With the available standardized methods in TC 292 tools already exist to characterize wastes, and these methods might be a (with some minor adjustments) a good basis for tackling end-of-waste issues and other actual European topics.</p>	No SRT was published.	

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CEN/TC 312 Thermal solar systems and components	CEN/TC312 testing and measurement needs in energy and environment	SRT published, proposal received. Proposal was marked as suitable for funding but there was insufficient funding for it to be contracted. http://www.emrponline.eu/call2013/SRTs/SRTg13.pdf	
CENELEC/TC 38 (Instrument transformers)	Standardization needs for testing and measurement in the frame of voltage, current and electrical energy measurement, with particular reference to High Voltage.	3 related SRTs were published, all received proposals and were funded http://www.emrponline.eu/call2013/SRTs/SRT-g18.pdf http://www.emrponline.eu/call2013/SRTs/SRT-g20.pdf http://www.emrponline.eu/call2013/SRTs/SRT-g16.pdf A further SRT was published, a proposal was received and marked as suitable for funding but there was insufficient funding for it to be contracted. http://www.emrponline.eu/call2013/SRTs/SRT-g19.pdf	ENG52 SmartGrid II – Measurement tools for Smart Grid stability and quality ENG61 FutureGrids – Non conventional voltage and current sensors for future power grids ENG63 GridSens – Sensor network metrology for the determination of electrical grid characteristics
CENELEC/TC 13 (Equipment for electrical energy measurement and load control).	See CENELEC/TC 38 contribution above	As above	
CENELEC/TC 82 Solar photovoltaic energy systems	Implementation of some Photovoltaic systems standardization topics – will be discussed at the TC82 February 2013 meeting	2 related SRTs were published, both received proposals and were funded http://www.emrponline.eu/call2013/SRTs/SRTg15.pdf http://www.emrponline.eu/call2013/SRTs/SRTg14.pdf	ENG51 SolCell – Metrology for III-V materials based high efficiency multi-junction solar cells ENG55 PhotoClass – Towards an energy-based parameter for photovoltaic classification

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MARCOGAZ and LAB-TQ In support of M/495	Specific testing and measurements needs for a good implementation of the Ecodesign directive (2009/125/EC) regarding lot 1 & lot 2 (heaters and water heaters).	An SRT was published on the ecodesign directive, but not on heaters. Proposal was marked as suitable for funding but there was insufficient funding for it to be contracted. http://www.emrponline.eu/call2013/SRTs/SRTg02.pdf	

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CEN/TC 126 - Acoustic properties of building elements and of buildings	Introduction of 50-80 Hz frequency range in building acoustic standards		
ISO/TC 198 – Sterilization of health care products	Measurement uncertainty on patient safety related to radiation sterilization of medical devices, microbiological methods and dosimetry	SRT-n03	Project proposals can be submitted till 5 October 2015
CEN/TC 226 - Road equipment CEN/TC 256 - Railway applications	Road noise reducing devices and railway noise barriers		
CEN/TC 256 - Railway applications	Modelling the aerodynamics of railway rolling stock		
CEN/TC 264 - Air quality	Measuring emissions of SO ₂ from stacks and flues	SRT-n08	Project proposals can be submitted till 5 October 2015
CEN/TC 264 - Air quality	Evaluation of low-cost sensors, suitable for air monitoring of SO ₂ , CO and PM pollutants		
CEN/TC 264 - Air quality	Determination of odour concentration by dynamic olfactometry		

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CEN/TC 264 - Air quality	Black carbon (BC) and total carbon (TC) measurements in ambient air	SRT-n06	Project proposals can be submitted till 5 October 2015
CEN/TC 347 - Methods for analysis of allergens	Reference test method for release of metallic allergens in jewellery		
CEN/TC 408 - Natural gas and biomethane for use in transport and biomethane for injection in the natural gas grid	Improving the precision of determination and sampling methods for biomethane	SRT-n05	Project proposals can be submitted till 5 October 2015
CEN/TC 88 - Thermal insulating materials and products	Long-term aged values of thermal conductivity of thermal insulation products		
CEN/TC 89 - Thermal performance of buildings and building components	Thermal emissivity of low surface emitting reflective insulation products	SRT-n07	Project proposals can be submitted till 5 October 2015
CEN/TC 89 - Thermal performance of buildings and building components	Uncertainty assessment of the thermal resistance at elevated temperatures measurement in construction products		
ISO/TC 229 Nanotechnologies IEC/TC 113 Nanotechnology standardization for electrical and electronic products and systems IEC/TC 119 Printed Electronics	Characterization of graphene and 2D atomic materials for electrical applications	SRT-n01	Project proposals can be submitted till 5 October 2015
IEC/TC 113 - Nanotechnology standardization for electrical and electronic products and systems	Nanotechnology – standardized measurements for key control characteristics for electrical and electronic products and systems		
IEC/TC 68 - Magnetic Alloys and Steels	Measurement of magnetic properties by means of a pulse field magnetometer		
ISO/TC 30 - Measurement of fluid flow in closed conduits	Precise wet gas flow 3-component (oil/water/gas) measurement	SRT-n10	Project proposals can be submitted till 5 October 2015

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CEN/TC 195 – Air filters for general air cleaning	Development of a repeatable and reproducible methodology to produce a synthetic aerosol with a standard urban particle size distribution		
CEN/TC 195 – Air filters for general air cleaning	Design and validation of a test rig for (nanoparticle) air filter media performance assessment		
ISO/TC 206 - Fine ceramics CEN/TC 386 Photocatalysis	Evaluation of durability of photocatalytic materials.		
CEN TC 327 Animal feeding stuffs - Methods of sampling and analysis	Development of analytical methodologies for testing and verification of the chemical form of essential elements in feed and food additives and supplements		