


# Procedure file

Basic information	
COD - Ordinary legislative procedure (ex-codecision procedure) Decision	2013/0242(COD) Procedure completed
European metrology programme for innovation and research (EMPIR): participation of the Union	
See also <a href="#">2011/0401(COD)</a>	
Subject	
3.50.01 European research area and policy	
3.50.01.05 Research specific areas	
3.50.04 Innovation	
3.50.20 Scientific and technological cooperation and agreements	

Key players			
European Parliament	Committee responsible	Rapporteur	Appointed
	<b>ITRE</b> Industry, Research and Energy	EFD <a href="#">TZAVELA Niki</a>	24/10/2013
		Shadow rapporteur	
		PPE <a href="#">PATRICIELLO Aldo</a>	
		S&D <a href="#">GLANTE Norbert</a>	
		ALDE <a href="#">ROHDE Jens</a>	
		Verts/ALE <a href="#">TURMES Claude</a>	
		ECR <a href="#">CHICHESTER Giles</a>	
	Committee for opinion	Rapporteur for opinion	Appointed
	<b>BUDG</b> Budgets	The committee decided not to give an opinion.	
	<b>ENVI</b> Environment, Public Health and Food Safety	The committee decided not to give an opinion.	
	<b>REGI</b> Regional Development	The committee decided not to give an opinion.	
Council of the European Union	Council configuration	Meeting	Date
	<a href="#">Economic and Financial Affairs ECOFIN</a>	<a href="#">3310</a>	06/05/2014
	<a href="#">Competitiveness (Internal Market, Industry, Research and Space)</a>	<a href="#">3276</a>	03/12/2013
	<a href="#">Competitiveness (Internal Market, Industry, Research and Space)</a>	<a href="#">3258</a>	26/09/2013
European Commission	Commission DG	Commissioner	
	<a href="#">Research and Innovation</a>	GEOGHEGAN-QUINN Máire	
European Economic and Social Committee			

Key events			
10/07/2013	Legislative proposal published	<a href="#">COM(2013)0497</a>	Summary
10/09/2013	Committee referral announced in Parliament, 1st reading		
26/09/2013	Debate in Council	<a href="#">3258</a>	
23/01/2014	Vote in committee, 1st reading		
29/01/2014	Committee report tabled for plenary, 1st reading	<a href="#">A7-0063/2014</a>	Summary
15/04/2014	Results of vote in Parliament		
15/04/2014	Decision by Parliament, 1st reading	<a href="#">T7-0365/2014</a>	Summary
06/05/2014	Act adopted by Council after Parliament's 1st reading		
15/05/2014	Final act signed		
15/05/2014	End of procedure in Parliament		
07/06/2014	Final act published in Official Journal		

Technical information	
Procedure reference	2013/0242(COD)
Procedure type	COD - Ordinary legislative procedure (ex-codecision procedure)
Procedure subtype	Legislation
Legislative instrument	Decision
	See also <a href="#">2011/0401(COD)</a>
Legal basis	Treaty on the Functioning of the EU TFEU 185; Treaty on the Functioning of the EU TFEU 188-p2
Other legal basis	Rules of Procedure EP 159
Mandatory consultation of other institutions	<a href="#">European Economic and Social Committee</a>
Stage reached in procedure	Procedure completed
Committee dossier	ITRE/7/13403

Documentation gateway					
Legislative proposal		<a href="#">COM(2013)0497</a>	10/07/2013	EC	Summary
Document attached to the procedure		<a href="#">SWD(2013)0249</a>	10/07/2013	EC	
Document attached to the procedure		<a href="#">SWD(2013)0250</a>	10/07/2013	EC	
Committee draft report		<a href="#">PE522.947</a>	11/11/2013	EP	
Amendments tabled in committee		<a href="#">PE524.767</a>	04/12/2013	EP	
Committee report tabled for plenary, 1st reading/single reading		<a href="#">A7-0063/2014</a>	29/01/2014	EP	Summary
Text adopted by Parliament, 1st reading/single reading		<a href="#">T7-0365/2014</a>	15/04/2014	EP	Summary

Draft final act	<a href="#">00053/2014/LEX</a>	15/05/2014	CSL
Commission response to text adopted in plenary	<a href="#">SP(2014)471</a>	09/07/2014	EC

<b>Additional information</b>			
National parliaments	<a href="#">IPEX</a>		
European Commission	<a href="#">EUR-Lex</a>		

<b>Final act</b>			
<a href="#">Decision 2014/555</a>			
<a href="#">OJ L 169 07.06.2014, p. 0027</a> Summary			

## European metrology programme for innovation and research (EMPIR): participation of the Union

**PURPOSE:** to enable the participation of the European Union in a European Metrology Programme for Innovation and Research jointly undertaken by several Member States.

**PROPOSED ACT:** Decision of the European Parliament and of the Council.

**ROLE OF THE EUROPEAN PARLIAMENT:** the European Parliament decides in accordance with the ordinary legislative procedure and on an equal footing with the Council.

**BACKGROUND:** metrology, the science of measurement, affects every aspect of our daily lives and ever more precise and reliable measurements are essential to drive innovation and economic growth. All governments in technologically advanced countries support a metrology infrastructure. Given the level of investment in metrology and its role in promoting scientific excellence and industrial competitiveness, individual Member States or a few acting together could not compete globally.

The [current European metrology research programme \(EMRP\)](#) is a joint initiative implemented by 22 national metrology institutes. In implementing the multiannual Framework Programme, it affords the possibility to coordinate national research programmes. By Decision No 912/2009/EC of the European Parliament and of the Council, the Community decided to make a financial contribution to the EMRP matching that of the participating states but not exceeding EUR 200 million, for the duration of the Seventh Framework Programme (2007-2013).

An interim evaluation recognised the value of the joint initiative. The main achievement of EMRP is strong integration by jointly programming 50 % of dedicated national funding for metrology research in Europe. Although substantial progress has been achieved under the EMRP, it has become evident that the system needs to tackle several challenges in order to increase the impact of metrology research.

EMPIR, the successor programme, will contribute to a number of flagship initiatives under EUROPE 2020 that are affected by metrology research (including [Innovation Union](#)), will be a more ambitious and inclusive programme implemented for ten years (2014-2024) by 28 participating states. As part of the improvements from the previous programme, EMPIR will include activities on innovation and industrial exploitation, on research for norms and standards and on capacity building.

**IMPACT ASSESSMENT:** the impact assessment took into consideration the following options:

Option 1 (No dedicated EU action): EU participation in the EMRP would be discontinued after the end of its current funding phase in 2013;

Option 2 (Business as usual - EMRP2): this option would continue with an identical initiative focused entirely on coordination and integration of fundamental and challenge driven research. This would include some calls on topics relevant to the industry;

Option 3 (Improved Article 185 initiative EMPIR): this option would build on the success of the EMRP by implementing a more ambitious and inclusive Article 185 initiative that is aligned with the Europe 2020 objectives.

The impact assessment report concluded that Option 3 is clearly the preferred option.

**LEGAL BASIS:** Article 185 and the second paragraph of Article 188 of the Treaty on the Functioning of the European Union.

**CONTENT:** the proposal for a Decision concerns the European Unions participation in the European Metrology Programme for Innovation and Research (EMPIR) undertaken by Belgium, Bulgaria, the Czech Republic, Denmark, Germany, Estonia, Ireland, Greece, Spain, France, Croatia, Italy, Hungary, the Netherlands, Austria, Poland, Portugal, Romania, Slovenia, Slovakia, Finland, Sweden, the United Kingdom, as well as Bosnia-Herzegovina, Norway, Serbia, Switzerland and Turkey.

The overarching goal of the EMPIR initiative is to address the challenges faced by the European Metrology Research System and to maximise the benefits of improved measurement solutions for Europe. The overall objectives of EMPIR are to:

- provide integrated and fit-for-purpose metrology solutions supporting innovation and industrial competitiveness and measurement technologies to tackle societal challenges such as health, environment and energy including support to policy development and implementation;
- create an integrated European Metrology Research system with critical mass and active engagement at regional, national, European and international level.

The proposal provides for derogations from the Horizon 2020 Rules of Participation. It also provides for safeguards to ensure that the principles of equal treatment and transparency are respected by the dedicated implementation structure when providing financial support to

third parties, and the EUs financial interests are protected.

**BUDGETARY IMPLICATION:** The maximum Unions financial contribution, including EFTA appropriations, to EMPIR shall be EUR 300 million in current prices for the duration of the Horizon 2020 Framework Programme. The contributions will be related to the specific challenges and themes covered by the initiative.

## European metrology programme for innovation and research (EMPIR): participation of the Union

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The Committee on Industry, Research and Energy adopted the report by Niki TZAVELA (EFD, EL) on the proposal for a decision of the European Parliament and of the Council on the participation of the Union in a European Metrology Programme for Innovation and Research jointly undertaken by several Member States.

The parliamentary committee recommended that the position adopted by the European Parliament at first reading under the ordinary legislative procedure should amend the Commissions proposal as follows:

Union's financial contribution: the maximum Union's financial contribution, including EFTA appropriations, to EMPIR shall be EUR 285 million (as opposed to EUR 300 million in the Commissions proposal). This contribution shall be paid from appropriations allocated to the relevant parts of the Specific Programme, implementing [Horizon 2020](#), and in particular appropriations allocated to the following challenges and themes:

- leadership in nanotechnologies, advanced materials, biotechnology and advanced manufacturing and processing;
- improving lifelong health and wellbeing;
- improving food security, developing sustainable agriculture, marine and maritime research and the bio-economy;
- making the transition to a reliable, sustainable and competitive energy system;
- achieving a European transport system that is resource-efficient, environmentally friendly, safe and seamless; and moving towards a resource-efficient and climate-change resilient economy and a sustainable supply of raw materials.

The programme shall support metrology capacity-building activities on different technological levels aiming to achieve a balanced and integrated metrology system in the participating states and enabling them to develop their scientific and technical capabilities in metrology.

Conditions applicable to the Unions financial contribution: Members stressed the need to ensure there be a strong coherence between the activities of the private-public partnerships and the research priorities defined in the Horizon 2020 Framework Programme, such as open access, equality between men and women and non-discrimination.

Rules of participation: with a view to guaranteeing simple and accessible information for applicants, Members called for proposals organised by EMPIR to be published on the web-based Horizon 2020 Participant Portal.

Evaluation: the Commission shall organise an independent interim evaluation of EMPIR by 30 June 2017.

The Commission shall prepare a report on that evaluation which includes conclusions of the independent evaluation and observations by the Commission. The result of the independent interim evaluation of EMPIR shall be taken into account in the interim evaluation of Horizon 2020.

In order to respond to unforeseen situations or to new developments and needs the Commission may, following the interim evaluation of Horizon 2020, within the annual budgetary procedure, review the budget of EMPIR.

## European metrology programme for innovation and research (EMPIR): participation of the Union

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The European Parliament adopted by 647 votes to 20 with 6 abstentions, a legislative resolution on the proposal for a decision of the European Parliament and of the Council on the participation of the Union in a European Metrology Programme for Innovation and Research jointly undertaken by several Member States.

Parliament adopted its position at first reading under the ordinary legislative procedure. The amendments adopted in plenary were the result of a compromise between Parliament and Council. They amend the Commissions proposal as follows:

Union's financial contribution: the maximum Union's financial contribution, including EFTA appropriations, to EMPIR shall be EUR 300 million (as in the Commissions proposal). This contribution shall be paid from appropriations allocated to the relevant parts of the Specific Programme, implementing [Horizon 2020](#), and in particular from Part II Industrial leadership and Part III Societal challenges.

In order to take into account the duration of Horizon 2020, calls for proposals under EMPIR should be launched at the latest by 31 December 2020.

In accordance with the Commission proposal, EMPIR will pursue the following general objectives:

- provide appropriate, integrated and fit-for-purpose metrology solutions supporting innovation and industrial competitiveness, as well as measurement technologies addressing societal challenges such as health, environment and energy, including support to policy development and implementation;
- create an integrated European Metrology Research system with critical mass and active engagement at regional, national, European and international level.

Agreements between the Union and EURAMET: these should set out provisions for the publication of calls for proposals by EMPIR, in particular on the single portal for participants as well as through other Horizon 2020 electronic means of dissemination managed by the Commission.

Audits: administrative burdens should be reduced for all parties. Double audits and disproportionate documentation and reporting should be avoided.

Evaluation: the Commission must organise an independent interim evaluation of EMPIR by 30 June 2017 and send that report to the European Parliament and to the Council by 31 December 2017. The result of the interim evaluation will be taken into account in the interim evaluation of Horizon 2020.

## European metrology programme for innovation and research (EMPIR): participation of the Union

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**PURPOSE:** to allow the Union's participation in the European Metrology Programme for Innovation and Research ("EMPIR"), a programme jointly undertaken by several Member States.

**LEGISLATIVE ACT:** Decision No 555/2014/EU of the European Parliament and of the Council on the participation of the Union in a European Metrology Programme for Innovation and Research (EMPIR) jointly undertaken by several Member States.

**CONTENT:** this Decision is part of a package of four legal acts for a new generation of public-private partnerships that will allow large-scale, long-term innovation projects to be carried out under the umbrella of [Horizon 2020](#), the EU's research and innovation framework programme.

Three other public-public partnerships will be further developed on research programmes jointly undertaken by Member States with the participation of the Union in the areas of:

- a second research and development programme aimed at supporting research and development performing small and medium-sized enterprises ([Eurostars-2](#));
- a programme on research and development on active and assisted living ([AAL programme](#));
- a second partnership programme between European and developing countries on clinical trials ([EDCTP-II](#)).

**Objective:** the Decision establishes the rules of and conditions of participation by the Union in the European Metrology Programme for Innovation and Research (EMPIR), jointly undertaken by Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Norway, Spain, the Netherlands, Poland, Portugal, Romania, Serbia, Slovenia, Slovakia, Sweden, Switzerland, Turkey and the United Kingdom.

Any Member State and any other country associated to Horizon 2020 may apply to join EMPIR, provided it fulfils the conditions regarding financial contribution.

Programme objectives: EMPIR has the following objectives:

- provide appropriate, integrated and fit-for-purpose metrology solutions supporting innovation and industrial competitiveness, as well as measurement technologies addressing societal challenges such as health, environment and energy, including support to policy development and implementation;
- create an integrated European Metrology Research system with critical mass and active engagement at regional, national, European and international level.

**Union financial contribution:** the Unions financial contribution, including EFTA appropriations, to EMPIR shall be up to EUR 300 000 000. The contribution will be paid from appropriations allocated to the relevant parts of the [Specific Programme implementing Horizon 2020](#), and in particular from Part II Industrial leadership and Part III Societal challenges.

**Implementation:** the Participating States have agreed upon the implementation structure for EMRP, and in 2007 set up EURAMET e.V. ("EURAMET"), the European Regional Metrology Organisation and a non-profit association under German law. EURAMET also has tasks and obligations related to the wider European and global harmonisation of metrology. EURAMET should be used for the implementation of EMPIR and be the recipient of the Unions financial contribution.

Calls for proposals should be launched at the latest by 31 December 2020. In duly justified cases they may be launched by 31 December 2021. Calls for proposals should also be published on the single portal for participants as well as through other Horizon 2020 electronic means of dissemination managed by the Commission.

In order to protect the Unions financial interests, the Commission should have the right to reduce, suspend or terminate the Unions financial contribution if the programme is implemented inadequately.

**Evaluation:** by 30 June 2017, the Commission shall carry out an interim evaluation of EMPIR with the help of independent experts. It shall send that report to the European Parliament and to the Council by 31 December 2017. The result of the interim evaluation of the programme shall be taken into account in the interim evaluation of Horizon 2020.

**ENTRY INTO FORCE:** 27.06.2014.