


















Procedure file

Basic information		
INL - Legislative initiative procedure	2020/2012(INL)	Procedure completed
Framework of ethical aspects of artificial intelligence, robotics and related technologies		
Subject		
3.30.06 Information and communication technologies, digital technologies		
3.30.16 Ethical information policy		
3.40.06 Electronics, electrotechnical industries, ICT, robotics		

Key players			
European Parliament	Committee responsible	Rapporteur	Appointed
	 Legal Affairs (Associated committee)	 GARCÍA DEL BLANCO Ibán	15/01/2020
		Shadow rapporteur	
		 DIDIER Geoffroy	
		 SÉJOURNÉ Stéphane	
		 LEBRETON Gilles	
		 LAGODINSKY Sergey	
		 STANCANELLI Raffaele	
		 MAUREL Emmanuel	
	Committee for opinion	Rapporteur for opinion	Appointed
 Foreign Affairs (Associated committee)	 PAET Urmas	12/11/2019	
 Employment and Social Affairs		11/02/2020	
	 GÁLVEZ MUÑOZ Lina		
 Environment, Public Health and Food Safety		06/02/2020	
	 JARUBAS Adam		
 Internal Market and Consumer Protection (Associated committee)		18/02/2020	
	 GEESE Alexandra		
 Transport and Tourism (Associated committee)		15/01/2020	

CULT [Culture and Education](#)

03/02/2020



[KOHUT Łukasz](#)

LIBE [Civil Liberties, Justice and Home Affairs](#)
(Associated committee)

19/02/2020



[KANKO Assita](#)

AFCO [Constitutional Affairs](#)

The committee decided not to give an opinion.

Key events

16/01/2020	Committee referral announced in Parliament, 1st reading/single reading		
16/01/2020	Referral to associated committees announced in Parliament		
01/10/2020	Vote in committee, 1st reading/single reading		
08/10/2020	Committee report tabled for plenary, single reading	A9-0186/2020	
19/10/2020	Debate in Parliament		
20/10/2020	Decision by Parliament, 1st reading/single reading	T9-0275/2020	Summary
20/10/2020	End of procedure in Parliament		

Technical information

Procedure reference	2020/2012(INL)
Procedure type	INL - Legislative initiative procedure
Procedure subtype	Request for legislative proposal
Legal basis	Rules of Procedure EP 47
Other legal basis	Rules of Procedure EP 159
Stage reached in procedure	Procedure completed
Committee dossier	JURI/9/02261

Documentation gateway

Committee draft report		PE650.508	21/04/2020	EP
Amendments tabled in committee		PE652.504	02/06/2020	EP
Amendments tabled in committee		PE652.548	02/06/2020	EP
Committee opinion	AFET	PE650.401	24/06/2020	EP
Committee opinion	IMCO	PE648.496	08/07/2020	EP
Committee opinion	CULT	PE648.348	03/09/2020	EP
Committee opinion	EMPL	PE648.298	07/09/2020	EP
Committee opinion	TRAN	PE646.983	08/09/2020	EP

Committee opinion	ENVI	PE648.284	16/09/2020	EP	
Committee opinion	LIBE	PE652.296	23/09/2020	EP	
Committee report tabled for plenary, single reading		A9-0186/2020	08/10/2020	EP	
Text adopted by Parliament, single reading		T9-0275/2020	20/10/2020	EP	Summary

2020/2012(INL) - 20/10/2020 Text adopted by Parliament, single reading

The European Parliament adopted by 559 votes to 44, with 88 abstentions, with recommendations to the Commission on a framework of ethical aspects of artificial intelligence, robotics and related technologies.

Human-centric and human-made artificial intelligence

Parliament called on the Commission to propose a comprehensive regulatory framework of ethical principles and legal obligations relating to the development, deployment and use of artificial intelligence, robotics and related technologies within the Union, including the software, algorithms and data used or produced by these technologies.

This framework should be based on Union law, the Charter and international human rights law, and applicable, in particular, to high-risk technologies, in order to establish equal standards throughout the Union.

Such an approach should allow companies to introduce innovative products onto the market and create new opportunities, while ensuring the protection of Union values by leading to the development of AI systems which incorporate Union ethical principles by design. Such a values-based regulatory framework would represent added value by providing the Union with a unique competitive advantage.

Principles of the requested regulation

The Regulation on ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies should be based on the following principles:

- human-centric, human-made and human-controlled artificial intelligence, robotics and related technologies;
- mandatory compliance assessment of high-risk artificial intelligence, robotics and related technologies and the issuing by the competent national supervisory body of a European certificate of ethical compliance when the assessment is positive;
- safety, transparency and accountability: technologies should be used in a secure manner, inform users that they are interacting with artificial intelligence systems and allow, in case of non-compliance with the stated safety features, temporary deactivation restoring safe functionality;
- safeguards and remedies against bias and discrimination;
- right to redress;
- social responsibility and gender equality in artificial intelligence, robotics and related technologies;
- environmentally sustainable artificial intelligence, robotics and related technologies;
- respect for privacy and limitations on the use of biometric recognition;
- good governance relating to artificial intelligence, robotics and related technologies, including the data used or produced by such technologies.

Institutional control

Each Member State should designate an independent public body to monitor the application of the Regulation and to carry out risk and compliance assessments and certification.

Coordination at Union level should be ensured by the Commission and/or the competent Union institutions, bodies, offices and agencies that may be designated for this purpose, in order to ensure consistent application of the Regulation. The Commission should thus: (i) ensure consistent risk assessment of AI, (ii) cooperate with national supervisory bodies; (iii) act as a centre of expertise by promoting the exchange of information on AI; (iv) host a working group on security and defence to examine strategic and investment issues specifically related to the ethical use of artificial intelligence in these areas.