



2016/2271(INI)

2.2.2017

AMENDMENTS

1 - 332

Draft report
Reinhard Bütikofer
(PE595.761v01-00)

Digitising European industry
(2016/2271(INI))

Amendment 1
Notis Marias

Motion for a resolution
Citation 2 a (new)

Motion for a resolution

Amendment

- *having regard to Protocol (No 1) of the Treaty on the Functioning of the European Union (TFEU) on the role of national parliaments in the European Union,*

Or. el

Amendment 2
Notis Marias

Motion for a resolution
Citation 2 b (new)

Motion for a resolution

Amendment

- *having regard to Protocol (No 2) of the Treaty on the Functioning of the European Union (TFEU) on the application of the principles of subsidiarity and proportionality,*

Or. el

Amendment 3
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Citation 6 a (new)

Motion for a resolution

Amendment

- *having regard to the ‘Action Plan for the deployment of Internet Protocol*

Amendment 4

Massimiliano Salini, Aldo Patriciello

Motion for a resolution

Citation 17

Motion for a resolution

— having regard to the Commission communication entitled ‘A Digital Single Market Strategy for Europe’ (COM(2015)0192) **and** the accompanying Commission staff working document (SWD(2015)0100),

Amendment

— having regard to the Commission communication entitled ‘A Digital Single Market Strategy for Europe’ (COM(2015)0192), the accompanying Commission staff working document (SWD(2015)0100) **and the following legislative and non-legislative proposals**,

Amendment 5

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Citation 25 a (new)

Motion for a resolution

Amendment

- **having regard to the Commission communication of 10 January 2017 to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions entitled ‘Building a European Data Economy’ (COM(2017)9 final),**

Amendment 6

Christian Ehler

Motion for a resolution

Citation 29 a (new)

Motion for a resolution

Amendment

- *having regard to its report on a coherent EU policy for cultural and creative industries (2016/2072(INI)),*

Or. en

Amendment 7

José Blanco López

Motion for a resolution

Citation 33 a (new)

Motion for a resolution

Amendment

- *having regard to the opinion of the European Economic and Social Committee of 14 July 2016, entitled ‘Industry 4.0 and digital transformation: Where to go’,*

Or. es

Amendment 8

Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa, João Ferreira

Motion for a resolution

Recital A

Motion for a resolution

Amendment

A. whereas energetic efforts to reindustrialise *Europe* must be pursued with the aim of combining *competitiveness and sustainability*;

A. whereas energetic efforts to reindustrialise *and rebalance the economy of Member States* must be pursued with the aim of combining *growth and quality job creation with social and*

environmental sustainability;

Or. en

Amendment 9

Angelo Ciocca, Lorenzo Fontana

Motion for a resolution

Recital A

Motion for a resolution

A. whereas energetic efforts to reindustrialise **Europe** must be pursued with the aim of **combining competitiveness and sustainability**;

Amendment

A. whereas energetic efforts to reindustrialise **the European Union** must be pursued with the aim of **boosting internal demand and, in turn, economic growth**;

Or. it

Amendment 10

Olle Ludvigsson

Motion for a resolution

Recital A

Motion for a resolution

A. whereas energetic efforts to reindustrialise Europe must be pursued with the aim of combining competitiveness and sustainability;

Amendment

A. whereas energetic efforts to reindustrialise Europe must be pursued with **concrete policies and actions with** the aim of combining competitiveness and sustainability;

Or. en

Amendment 11

Gunnar Hökmark

Motion for a resolution

Recital A

Motion for a resolution

A. whereas energetic efforts to **reindustrialise Europe** must be pursued with the aim of combining competitiveness and sustainability;

Amendment

A. whereas energetic efforts to **incentivize the development of European industries** must be pursued with the aim of combining competitiveness and sustainability;

Or. en

Amendment 12
Miroslav Poche

Motion for a resolution
Recital A

Motion for a resolution

A. whereas energetic efforts to reindustrialise Europe must be pursued with the aim of combining competitiveness and **sustainability**;

Amendment

A. whereas energetic efforts to reindustrialise Europe must be pursued with the aim of combining competitiveness, **sustainability** and **new job creation**;

Or. cs

Amendment 13
Patrizia Toia

Motion for a resolution
Recital A

Motion for a resolution

A. whereas energetic efforts to reindustrialise Europe must be pursued with the aim of combining competitiveness and sustainability;

Amendment

A. whereas energetic efforts to reindustrialise Europe must be pursued with the aim of combining competitiveness, **inclusiveness** and sustainability;

Or. en

Amendment 14
Barbara Kappel

Motion for a resolution
Recital A

Motion for a resolution

A. whereas energetic efforts to reindustrialise Europe must be pursued with the aim of combining competitiveness and *sustainability*;

Amendment

A. whereas energetic efforts to reindustrialise Europe must be pursued with the aim of combining competitiveness, *sustainability* and *productivity*;

Or. de

Amendment 15
Notis Marias

Motion for a resolution
Recital A

Motion for a resolution

A. whereas energetic efforts to reindustrialise Europe must be *pursued* with the aim of combining competitiveness and sustainability;

Amendment

A. whereas *the need for* energetic efforts to reindustrialise Europe must be *emphasised* with the aim of combining competitiveness and sustainability;

Or. el

Amendment 16
Bernd Lange

Motion for a resolution
Recital A

Motion for a resolution

A. whereas energetic efforts to reindustrialise Europe must be pursued with the aim of combining competitiveness and sustainability;

Amendment

A. whereas energetic efforts to reindustrialise Europe must be pursued with the aim of combining competitiveness and sustainability; *reaching the EU's target that 20 % of the EU GDP should be based on the industry by 2020 which must*

necessarily take into account the structural transformation of the industrial sector due to the disruption and dematerialisation of business models and the raise of new business models;

Or. en

Amendment 17
Massimiliano Salini, Aldo Patriciello

Motion for a resolution
Recital A a (new)

Motion for a resolution

Amendment

Aa. whereas the European industry represents the basis of the European economy and wealth; and it is facing major challenges due to a faster globalization and innovation trends;

Or. en

Amendment 18
Gunnar Hökmark

Motion for a resolution
Recital B

Motion for a resolution

Amendment

B. whereas digitalisation *will transform manufacturing, impacting fundamentally the balance of opportunities and challenges* for European industries;

B. whereas digitalisation *is already transforming business models and manufacturing, bringing* opportunities for European industries;

Or. en

Amendment 19
Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Recital B

Motion for a resolution

B. whereas digitalisation **will transform** manufacturing, impacting fundamentally the balance of opportunities and challenges for European industries;

Amendment

B. whereas **the** digitalisation of **industrial manufacturing helps increasing the resilience, energy and resource efficiency, sustainability and competitiveness of our economies, thus transforming** manufacturing, impacting fundamentally the balance of opportunities and challenges for European industries **through innovation**;

Or. en

Amendment 20

José Blanco López

Motion for a resolution

Recital B

Motion for a resolution

B. whereas digitalisation **will transform manufacturing**, impacting fundamentally the balance of opportunities and challenges for European industries;

Amendment

B. whereas digitalisation **is transforming manufacturing processes**, impacting fundamentally the balance of opportunities and challenges for European industries;

Or. es

Amendment 21

Barbara Kappel

Motion for a resolution

Recital B

Motion for a resolution

B. whereas digitalisation will transform manufacturing, impacting

Amendment

(Does not affect the English version.)

fundamentally the balance of opportunities and challenges for European industries;

Or. de

Amendment 22
András Gyürk

Motion for a resolution
Recital B

Motion for a resolution

B. whereas digitalisation will transform manufacturing, impacting fundamentally the balance of opportunities and challenges for European industries;

Amendment

B. whereas digitalisation will transform manufacturing, ***products and how value is created by them***; impacting fundamentally the balance of opportunities and challenges for European industries;

Or. en

Amendment 23
Patrizia Toia

Motion for a resolution
Recital B

Motion for a resolution

B. whereas digitalisation will transform manufacturing, impacting fundamentally the balance of opportunities and challenges for European industries;

Amendment

B. whereas digitalisation will transform manufacturing, impacting fundamentally the balance of opportunities and challenges for European industries ***as well as workers***;

Or. en

Amendment 24
Bernd Lange

Motion for a resolution
Recital B a (new)

Motion for a resolution

Amendment

Ba. *whereas digitalisation leads to a new producer-consumer relation and a raised degree of individualisation on the consumer side;*

Or. en

Amendment 25

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Recital C

Motion for a resolution

C. whereas Europe has a strong base from which to become a leader in the digital transformation;

Amendment

C. whereas Europe *with its industrial heritage, its network of industrial sectors and value chains, its innovative strengths, its strategic public investment in R&D, its availability of private investment and efficient administration, its skilled labour force, and its integration of industrial development with societal challenges*, has a strong base from which to become a leader in the digital transformation *and whereas there is an opportunity for the strengthening of EU industry if we manage to build fully integrated value chains for digitally-enhanced industrial products and product-service bundles;*

Or. en

Amendment 26

José Blanco López

Motion for a resolution

Recital C

Motion for a resolution

Amendment

C. whereas Europe has a strong base from which to *become a leader in* the digital transformation;

C. whereas *more than 30 national and regional initiatives for digitising industry have been launched across Europe in recent years; whereas, consequently,* Europe has a strong base from which to *lead* the digital transformation;

Or. es

Amendment 27
Gunnar Hökmark

Motion for a resolution
Recital C a (new)

Motion for a resolution

Amendment

Ca. whereas 5G will fundamentally transform our economies, putting digitalisation at the centre of industrial development and social services;

Or. en

Amendment 28
Angelo Ciocca, Lorenzo Fontana

Motion for a resolution
Recital D

Motion for a resolution

Amendment

D. whereas it is an imperative for European industrial strategy to create a digital single market;

deleted

Or. it

Amendment 29
Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa, João Ferreira

Motion for a resolution

Recital D

Motion for a resolution

D. whereas it is an imperative for European industrial strategy to ***create a digital single market***;

Amendment

D. whereas it is an imperative for European industrial strategy to ***shape digitalization in a socially-just manner***;

Or. en

Amendment 30

Massimiliano Salini, Aldo Patriciello

Motion for a resolution

Recital D

Motion for a resolution

D. whereas it is an imperative for European industrial strategy to create a digital single market;

Amendment

D. whereas it is an imperative for ***a successful*** European industrial strategy to create a digital single market;

Or. en

Amendment 31

Notis Marias

Motion for a resolution

Recital D

Motion for a resolution

D. whereas it is an imperative for European industrial strategy to create a digital single market;

Amendment

D. whereas it is an imperative for European industrial strategy to create a digital single market ***helping to increase GDP in the Union and create thousands of jobs***;

Or. el

Amendment 32
Bernd Lange

Motion for a resolution
Recital E

Motion for a resolution

E. whereas the digitalisation *of industrial manufacturing* can be an important stepping stone in increasing the resilience, sustainability and competitiveness of our economy;

Amendment

E. whereas the digitalisation *which increasingly links people and machines as well as services across borders within the whole global value chain; notes that a well-designed digitalisation* can be an important stepping stone in increasing the resilience, sustainability and competitiveness of our economy;

Or. en

Amendment 33
Massimiliano Salini, Aldo Patriciello

Motion for a resolution
Recital E

Motion for a resolution

E. whereas the digitalisation of industrial manufacturing *can be* an important stepping stone in increasing the resilience, sustainability and competitiveness of our economy;

Amendment

E. whereas the digitalisation of industrial manufacturing *is* an important stepping stone in increasing the resilience, sustainability and competitiveness of our economy, *creating new jobs and helping to reach the 20% target of industry's share in Europe's GDP by 2020;*

Or. en

Amendment 34
Notis Marias

Motion for a resolution
Recital E

Motion for a resolution

Amendment

E. whereas the digitalisation of industrial manufacturing *can* be an important stepping stone in increasing the resilience, sustainability and competitiveness of our economy;

E. whereas the digitalisation of industrial manufacturing *must* be an important stepping stone in increasing the resilience, sustainability and competitiveness of our economy;

Or. el

Amendment 35

Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa, João Ferreira

Motion for a resolution

Recital E

Motion for a resolution

E. whereas the digitalisation of industrial manufacturing can be an important stepping stone in increasing the resilience, sustainability and competitiveness of our economy;

Amendment

E. whereas the digitalisation of industrial manufacturing can be an important stepping stone in increasing the resilience, sustainability and competitiveness of our economy;

Or. en

Amendment 36

Christian Ehler

Motion for a resolution

Recital E a (new)

Motion for a resolution

Ea. whereas cultural and creative industries play a key role in reindustrialising Europe, are a driver for growth and are in a strategic position to trigger innovative spill-overs in other industrial sectors, such as tourism, retail, and digital technologies;

Amendment

Or. en

Amendment 37
Christian Ehler

Motion for a resolution
Recital E b (new)

Motion for a resolution

Amendment

Eb. whereas the digital transformation of the industry offers new possibilities for the development of new business models and market expansion, but also poses challenges to the traditional sectors of the cultural and creative industries;

Or. en

Amendment 38
Christian Ehler

Motion for a resolution
Recital E c (new)

Motion for a resolution

Amendment

Ec. whereas Cultural and creative industries are a driving force for innovation and development of ICT in Europe;

Or. en

Amendment 39
Angelo Ciocca, Lorenzo Fontana

Motion for a resolution
Recital F

Motion for a resolution

Amendment

F. whereas digitalisation has the potential to increase efficient use of resources, energy and capital, *contributing to a more integrated circular economy*

F. whereas digitalisation has the potential to increase efficient use of resources, energy and capital, *or to reduce labour costs more quickly;*

and industrial symbiosis;

Or. it

Amendment 40
Miroslav Poche

Motion for a resolution
Recital F

Motion for a resolution

F. whereas digitalisation has the potential to increase efficient use of resources, energy and capital, contributing to a more integrated circular economy and industrial symbiosis;

Amendment

F. whereas digitalisation has the potential to increase efficient use of resources, energy and capital, contributing to a more integrated circular economy, *lower material intensity* and *greater* industrial symbiosis;

Or. cs

Amendment 41
Notis Marias

Motion for a resolution
Recital F

Motion for a resolution

F. whereas digitalisation has the potential to increase efficient use of resources, energy and capital, contributing to *a more* integrated circular economy and industrial symbiosis;

Amendment

F. whereas digitalisation has the potential to increase efficient use of resources, energy and capital, contributing to *an* integrated circular economy and industrial symbiosis;

Or. el

Amendment 42
Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution

Recital F

Motion for a resolution

F. whereas digitalisation ***has the potential to*** increase efficient use of resources, energy and capital, contributing to a more integrated circular economy and industrial symbiosis;

Amendment

F. whereas digitalisation ***should*** increase efficient use of resources, energy and capital, contributing to a more integrated circular economy and industrial symbiosis;

Or. en

Amendment 43

Algirdas Saudargas

Motion for a resolution

Recital F a (new)

Motion for a resolution

Amendment

Fa. whereas well-developed language technologies can help industry to overcome language barriers that are obstacles to the development of the digital market;

Or. lt

Amendment 44

Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa, João Ferreira

Motion for a resolution

Recital G

Motion for a resolution

G. whereas ***digitalisation can contribute to safer working conditions, to greater product safety, and to the individualisation and decentralisation of production;***

Amendment

G. whereas ***digitalization and the individualisation and decentralisation of production should be made compatible with decent working conditions and greater product safety;***

Or. en

Amendment 45
Notis Marias

Motion for a resolution
Recital G

Motion for a resolution

G. whereas digitalisation *can* contribute to safer working conditions, to greater product safety, and to the individualisation and decentralisation of production;

Amendment

G. whereas digitalisation *is expected to* contribute to safer working conditions, to greater product safety, and to the individualisation and decentralisation of production;

Or. el

Amendment 46
Bernd Lange

Motion for a resolution
Recital G

Motion for a resolution

G. whereas digitalisation can contribute to safer working conditions, to greater product safety, and to the individualisation and decentralisation of production;

Amendment

G. whereas digitalisation *will lead to changing working conditions and* can contribute to safer working conditions, to greater product safety, and to the individualisation and decentralisation of production;

Or. en

Amendment 47
Cora van Nieuwenhuizen, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Pavel Telička, Carolina Punset

Motion for a resolution
Recital G a (new)

Motion for a resolution

Amendment

Ga. whereas the development of the Internet of Things is central to the automation of manufacturing processes; whereas this development can only be scaled up through investment in high-speed connectivity, High Performance Computing and mass data storage facilities;

Or. en

Amendment 48
Angelo Ciocca, Lorenzo Fontana

Motion for a resolution
Recital G a (new)

Motion for a resolution

Amendment

Ga. whereas digitalisation fosters economic initiatives which are characterised by a low degree of labour intensity and a high degree of specialisation;

Or. it

Amendment 49
Henna Virkkunen

Motion for a resolution
Recital H

Motion for a resolution

Amendment

H. whereas there is widespread concern as regards the labour market effects of digitalisation in industrial manufacturing as well as its possible effects on workplace democracy and regional development;

deleted

Or. fi

Amendment 50

Cora van Nieuwenhuizen, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Pavel Telička, Carolina Punset

Motion for a resolution

Recital H

Motion for a resolution

H. whereas *there is widespread concern as regards the labour market effects of digitalisation in industrial manufacturing as well as its possible effects on workplace democracy and regional development*;

Amendment

H. whereas *digitisation in industrial manufacturing will change labour market demand in Europe; whereas, in order to meet this change in demand, digital skills in the society as a whole should be increased*;

Or. en

Amendment 51

Massimiliano Salini, Aldo Patriciello

Motion for a resolution

Recital H

Motion for a resolution

H. whereas there is *widespread concern* as regards the labour market effects of digitalisation in industrial manufacturing *as well as its possible effects on workplace democracy and regional development*;

Amendment

H. whereas there is *many studies* as regards the labour market effects of digitalisation in industrial manufacturing *and the need to training the workforce with new ICT skills*;

Or. en

Amendment 52

Bernd Lange

Motion for a resolution

Recital H

Motion for a resolution

Amendment

H. whereas *there is widespread concern as regards* the labour market *effects of digitalisation in industrial manufacturing* as well as its *possible* effects on workplace democracy and regional development;

H. whereas *digitalisation causes a big change for* the labour market (*e.g. liquid work, crowd working, click work and desolidarisation*) as well as its *fundamental* effects on workplace democracy and regional development;

Or. en

Amendment 53
Patrizia Toia

Motion for a resolution
Recital H

Motion for a resolution

H. whereas *there is widespread concern as regards* the *labour market effects* of digitalisation in industrial manufacturing as well as its possible effects on workplace democracy and regional development;

Amendment

H. *having regard to the debate on* the *impact on employment* of digitalisation in industrial manufacturing as well as its possible effects on workplace democracy and regional development;

Or. it

Amendment 54
Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa, João Ferreira

Motion for a resolution
Recital H

Motion for a resolution

H. whereas there is widespread concern as regards the *labour market* effects of digitalisation in industrial manufacturing as well as its possible effects on workplace democracy and regional development;

Amendment

H. whereas there is widespread concern as regards the effects of digitalisation in industrial manufacturing *on workers* as well as its possible effects on workplace democracy and regional development;

Or. en

Amendment 55
Barbara Kappel

Motion for a resolution
Recital H

Motion for a resolution

H. whereas there is widespread concern as regards the labour market effects of digitalisation in industrial manufacturing as well as its possible effects on workplace **democracy** and regional development;

Amendment

H. whereas there is widespread concern as regards the labour market effects of digitalisation in industrial manufacturing as well as its possible effects on **the** workplace and regional development;

Or. de

Amendment 56
Angelo Ciocca, Lorenzo Fontana

Motion for a resolution
Recital H

Motion for a resolution

H. whereas there is widespread concern as regards the labour market effects of digitalisation in industrial manufacturing as well as its possible effects on workplace democracy and regional development;

Amendment

H. whereas there is widespread concern as regards the labour market effects of digitalisation in industrial manufacturing as well as its possible effects on workplace democracy and regional development; ***whereas the Member States, weakened by their gradual loss of economic and monetary sovereignty, will encounter unprecedented problems in offsetting the impact of digital innovation on employment;***

Or. it

Amendment 57
Miroslav Poche

Motion for a resolution
Recital H

Motion for a resolution

H. whereas there is widespread concern as regards the labour market **effects** of digitalisation in industrial manufacturing as well as its possible effects on workplace democracy and regional development;

Amendment

H. whereas there is widespread concern as regards the **effects on the** labour market **and on the safeguarding of workers' rights** of digitalisation in industrial manufacturing as well as its possible effects on workplace democracy and regional development;

Or. cs

Amendment 58
Angelo Ciocca, Lorenzo Fontana

Motion for a resolution
Recital H a (new)

Motion for a resolution

Amendment

Ha. whereas in the past, in the context of every process involving major technological innovation, over time jobs lost because professions had become obsolete were replaced by new types of employment created to meet the demand for new goods and services, a development made possible by the fact that production took place locally and by a general upward trend in wages which boosted internal demand; whereas, in the current context of delocalised production, wage deflation and fixed exchange rates, there is a danger that the benefits of digital innovation will not be felt by the public as a whole, but will merely add to the deflationary spiral;

Or. it

Amendment 59

Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Recital H a (new)

Motion for a resolution

Amendment

Ha. whereas digitalisation of industry is only part of a bigger digitalisation of the economy and society, with potential for enormous opportunities but also challenges and whereas digitalisation of industry has to be seen in an integrated way with broader digitalisation developments and has to consider a cross-policy and vision;

Or. en

Amendment 60
Patrizia Toia

Motion for a resolution
Recital H a (new)

Motion for a resolution

Amendment

Ha. whereas digitalisation brings with it the risk of significant job losses, making suitable flanking strategies essential, but whereas it also offers a clear opportunity to create new, skilled jobs;

Or. it

Amendment 61
Christian Ehler

Motion for a resolution
Recital H a (new)

Motion for a resolution

Amendment

Ha. whereas cultural and creative industries are undergoing considerable modifications as a result of increased digital technologies giving rise to changes in the conditions of artistic production and influencing intellectual property law;

Or. en

Amendment 62
José Blanco López

Motion for a resolution
Recital H a (new)

Motion for a resolution

Amendment

Ha. whereas Commission studies show that 40% of EU workers lack adequate digital skills;

Or. es

Amendment 63
José Blanco López

Motion for a resolution
Recital H b (new)

Motion for a resolution

Amendment

Hb. whereas digitisation requires highly skilled workers, but according to Commission studies it is estimated that by 2020 there will be 800 000 unfilled vacancies for ICT professionals;

Or. es

Amendment 64
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Recital H b (new)

Motion for a resolution

Amendment

Hb. *whereas there are big differences between the EU Member States when it comes to digitalisation, which must be overcome;*

Or. en

Amendment 65
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Recital H c (new)

Motion for a resolution

Amendment

Hc. *whereas digitalisation of manufacturing processes, tools and services raises new questions of ownership of industrial and production-relevant data, of new data monopolies, of access to data, liability, integrity, sovereignty, portability, protection of intellectual property and industrial knowledge and of conditions for fair competition in a data-driven world;*

Or. en

Amendment 66
José Blanco López

Motion for a resolution
Paragraph 1

Motion for a resolution

Amendment

1. Welcomes the Commission's Communication on Digitising European

1. Welcomes the Commission's Communication on Digitising European

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Industry;

Industry; *recalls the key role that digitisation can play in achieving the goal of raising the contribution of industry to EU GDP to 20% by 2020;*

Or. es

Amendment 67
Notis Marias

Motion for a resolution
Paragraph 1

Motion for a resolution

1. *Welcomes* the Commission's Communication on Digitising European Industry;

Amendment

1. *Notes* the Commission's Communication on Digitising European Industry;

Or. el

Amendment 68
Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa, João Ferreira

Motion for a resolution
Paragraph 1

Motion for a resolution

1. *Welcomes* the Commission's Communication on Digitising European Industry;

Amendment

1. *Notes* the Commission's Communication on Digitising European Industry;

Or. en

Amendment 69
José Blanco López

Motion for a resolution
Paragraph 1 – subparagraph 1 (new)

Motion for a resolution

Amendment

Stresses the need to implement a European strategy to coordinate and ensure cohesion between the various strategies launched at national and regional level, strengthen Europe's competitiveness and industrial leadership and maximise the opportunities and benefits for workers, business and society as a whole;

Or. es

Amendment 70
Patrizia Toia

Motion for a resolution
Paragraph 2 – introductory part

Motion for a resolution

2. Strongly believes that an IDS is of critical importance in contributing to solving Europe's most pressing economic challenges:

Amendment

2. Strongly believes that an IDS is of critical importance in contributing to solving Europe's most pressing economic ***and societal*** challenges:

Or. en

Amendment 71
Notis Marias

Motion for a resolution
Paragraph 2 – introductory part

Motion for a resolution

2. Strongly believes that an IDS ***is*** of critical importance in contributing to solving Europe's most pressing economic challenges:

Amendment

2. Strongly believes that an IDS ***must be*** of critical importance in contributing to solving Europe's most pressing economic challenges:

Or. el

Amendment 72

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 2 – point a

Motion for a resolution

(a) **Strengthening** economic *dynamics*, cohesion and resilience vis-à-vis technological disruptions;

Amendment

(a) **Strengthen** economic *dynamic*, cohesion and resilience vis-à-vis technological disruptions **through the modernisation and interconnection of Europe's industries and economic value chains, through increasing public and private investments in the real economy and providing investment opportunities in a sustainable modernisation**;

Or. en

Amendment 73

José Blanco López

Motion for a resolution

Paragraph 2 – point a

Motion for a resolution

(a) Strengthening economic *dynamics*, cohesion and resilience vis-à-vis technological disruptions;

Amendment

(a) Strengthening economic **growth, social and territorial** cohesion and resilience vis-à-vis technological disruptions;

Or. es

Amendment 74

Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 2 – point a

Motion for a resolution

(a) Strengthening economic dynamics, cohesion and resilience vis-à-vis technological disruptions;

Amendment

(a) Strengthening economic dynamics, cohesion and resilience vis-à-vis technological *transformations and* disruptions;

Or. en

Amendment 75

Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 2 – point a a (new)

Motion for a resolution

Amendment

(aa) *Ensuring public control over critical digital infrastructure and knowledge, as well as favouring open access to new digital technologies;*

Or. en

Amendment 76

Massimiliano Salini, Aldo Patriciello

Motion for a resolution

Paragraph 2 – point b

Motion for a resolution

Amendment

(b) Fostering job creation and improving working standards and the attractiveness of industrial sector jobs through *a socially just transformation*;

(b) Fostering job creation and improving working standards and the attractiveness of industrial sector jobs through *an inclusive labour market*;

Or. en

Amendment 77

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 2 – point b

Motion for a resolution

(b) Fostering job creation and improving working standards and the attractiveness of industrial sector jobs through a socially just transformation;

Amendment

(b) Fostering job creation and ***reshoring opportunities***, improving working standards (***good jobs***) and the attractiveness of industrial sector jobs through a socially just transformation ***that results in benefits for employers and employees alike through more diverse job models and work time schemes, through improved workplace safety and conditions, and a better integration of employment and life-long-learning;***

Or. en

Amendment 78

José Blanco López

Motion for a resolution

Paragraph 2 – point b

Motion for a resolution

(b) Fostering ***job creation*** and improving working standards and the attractiveness of industrial sector jobs through a socially just transformation;

Amendment

(b) Fostering ***the creation of high-quality and highly skilled jobs*** and improving working standards and the attractiveness of industrial sector jobs through a socially just transformation;

Or. es

Amendment 79

Miroslav Poche

Motion for a resolution

Paragraph 2 – point b

Motion for a resolution

Amendment

(b) Fostering job creation and improving working standards and the attractiveness of industrial sector jobs through a socially just transformation;

(b) Fostering job creation, ***guaranteeing adequate worker protection*** and improving working standards and the attractiveness of industrial sector jobs through a socially just transformation;

Or. cs

Amendment 80

Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa, João Ferreira

Motion for a resolution Paragraph 2 – point b

Motion for a resolution

(b) Fostering job creation and improving working standards and the attractiveness of industrial sector jobs through a socially just transformation;

Amendment

(b) Fostering ***quality*** job creation and improving working standards and the attractiveness of industrial sector jobs through a socially just transformation;

Or. en

Amendment 81

Jean-Luc Schaffhauser, Dominique Bilde

Motion for a resolution Paragraph 2 – point b a (new)

Motion for a resolution

Amendment

(ba) maintaining and enhancing the technological independence of Europeans by investing in key points of the digital industry's value chain: semiconductors, operating systems and cloud computing;

Or. fr

Amendment 82 Patrizia Toia

Motion for a resolution
Paragraph 2 – point b a (new)

Motion for a resolution

Amendment

(ba) provide training for the professions and in the skills needed in connection with the digitalisation of industry and encourage the development of skills and know-how among the public as a whole

Or. it

Amendment 83
Miroslav Poche

Motion for a resolution
Paragraph 2 – point c

Motion for a resolution

Amendment

(c) *Rejuvenating an EU resource policy that goes hand in hand with a strengthened European circular economy;*

(c) *Making more efficient use of resources and reducing the material intensity of manufacturing industry that derives from a strengthened European circular economy;*

Or. cs

Amendment 84
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 2 – point c

Motion for a resolution

Amendment

(c) Rejuvenating *an* EU resource policy that goes hand in hand with a strengthened European circular economy;

(c) Rejuvenating EU resource policy that goes hand in hand with a strengthened *industrial capacity for a* European circular economy, *critical for the material conditions of a European high-tech sector*

as well as digitised industrial production and its products;

Or. en

Amendment 85
Jean-Luc Schaffhauser, Dominique Bilde

Motion for a resolution
Paragraph 2 – point c

Motion for a resolution

(c) Rejuvenating *an EU* resource policy that goes hand in hand with a strengthened European circular economy;

Amendment

(c) Rejuvenating *a* resource policy *for all Member States* that goes hand in hand with a strengthened European circular economy;

Or. fr

Amendment 86
Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa, João Ferreira

Motion for a resolution
Paragraph 2 – point d

Motion for a resolution

(d) Strengthening European cohesion through a reliable European investment policy (in digital infrastructure) and a coordinated European industrial policy *on the basis of sustainable modernisation*;

Amendment

(d) Strengthening European cohesion through a reliable European investment policy (in digital infrastructure) and a coordinated European industrial policy *contributing to sustainable modernization and regional cohesion, through a territorially-based approach*;

Or. en

Amendment 87
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 2 – point d

Motion for a resolution

(d) Strengthening European cohesion through a reliable European investment policy (in digital infrastructure) and a coordinated European industrial policy on the basis of sustainable modernisation;

Amendment

(d) Strengthening European cohesion through a reliable European investment policy (in digital infrastructure - ***hardware and software***) ***utilising diverse European financing instruments including EFSI, regional funds, Horizon 2020 and others,*** and a coordinated European industrial policy on the basis of sustainable modernisation ***and technological, social and business model innovation that improves the digital single market and the integration and modernisation of all European industry in a sphere of connected production and economy;***

Or. en

Amendment 88
José Blanco López

Motion for a resolution
Paragraph 2 – point d

Motion for a resolution

(d) Strengthening European cohesion through a reliable European investment policy (***in*** digital infrastructure) and a coordinated European industrial policy on the basis of sustainable modernisation;

Amendment

(d) Strengthening European cohesion through a reliable ***and ambitious*** European investment policy (***paying particular attention to rolling out ultrafast*** digital infrastructure) and a coordinated European industrial policy on the basis of sustainable modernisation;

Or. es

Amendment 89
Aldo Patriciello

Motion for a resolution
Paragraph 2 – point d

Motion for a resolution

(d) Strengthening European cohesion through a reliable European investment policy (in digital infrastructure) and a coordinated European industrial policy on the basis of sustainable modernisation;

Amendment

(d) Strengthening European cohesion through a reliable European investment policy (in digital infrastructure) and a coordinated European industrial policy on the basis of sustainable modernisation ***implemented in the same way in all the Member States;***

Or. it

Amendment 90
Massimiliano Salini, Aldo Patriciello

Motion for a resolution
Paragraph 2 – point d

Motion for a resolution

(d) Strengthening European cohesion through a reliable European investment policy (in digital infrastructure) and a coordinated European industrial policy on the basis of sustainable modernisation;

Amendment

(d) Strengthening European cohesion through a reliable European investment policy (***also*** in digital infrastructure) and a coordinated European industrial policy on the basis of sustainable modernisation;

Or. en

Amendment 91
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 2 – point e

Motion for a resolution

(e) Supporting Europe's goals in climate policy by raising the energy ***and resource efficiency of*** industrial production;

Amendment

(e) Supporting Europe's goals in climate policy by raising the energy ***efficiency and efficient use of material resources as well as optimization of material flows in*** industrial production;

Amendment 92

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 2 – point e

Motion for a resolution

(e) Supporting Europe's goals in climate policy by raising the energy and resource efficiency of industrial production;

Amendment

(e) Supporting Europe's goals in climate policy by raising the energy and resource efficiency of industrial production ***as well as improving the sustainability of industrial production as such (e.g. through biologisation) where advances in sustainability go hand in hand with economic gains and competitiveness;***

Or. en

Amendment 93

José Blanco López

Motion for a resolution

Paragraph 2 – point e

Motion for a resolution

(e) Supporting Europe's goals in climate policy by raising the energy and resource efficiency of industrial production;

Amendment

(e) Supporting Europe's goals in climate policy by raising the energy and resource efficiency of industrial production ***and reducing emissions of polluting gases;***

Or. es

Amendment 94

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 2 – point f

Motion for a resolution

(f) Strengthening economic, policy and social innovation through the principles of openness and accessibility of public *and* private *data and information*;

Amendment

(f) Strengthening economic, policy and social innovation through the principles of openness and accessibility of public *data and information, with due consent and respect for private safety, both for workers and consumers*;

Or. en

Amendment 95

Evžen Tošenovský, Hans-Olaf Henkel

Motion for a resolution

Paragraph 2 – point f

Motion for a resolution

(f) Strengthening economic, policy and social innovation through the principles of *openness and* accessibility of public *and private* data and information;

Amendment

(f) Strengthening economic, policy and social innovation through the principles of accessibility of public data and information;

Or. en

Amendment 96

Barbara Kappel

Motion for a resolution

Paragraph 2 – point f

Motion for a resolution

(f) Strengthening economic, policy and social innovation through the principles of openness and accessibility of public *and private* data and information;

Amendment

(f) Strengthening economic, policy and social innovation through the principles of openness and accessibility of public data and information;

Or. de

Amendment 97

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 2 – point f

Motion for a resolution

(f) Strengthening economic, policy and social innovation through the principles of openness and accessibility of public and private data and information;

Amendment

(f) Strengthening economic, policy and social innovation through the principles of openness and accessibility of public and private data and information ***and allowing for a better integration of all sorts of economic sectors and policy fields from industrial production to urban development, creative industries and space policy, environmental innovation, energy policy and production, transport or services through the public availability of such information (from emissions to resource demands)***;

Or. en

Amendment 98

Patrizia Toia

Motion for a resolution

Paragraph 2 – point f

Motion for a resolution

(f) Strengthening economic, policy and social innovation through the principles of openness and accessibility of public and private data and information;

Amendment

(f) Strengthening economic, policy and social innovation through the principles of openness and accessibility of public and private data and information ***always protecting sensitive data in the exchange between businesses and consumers***;

Or. en

Amendment 99

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 2 – point g

Motion for a resolution

(g) *Improving the livelihoods* of citizens in urban and non-urban areas;

Amendment

(g) *Increasing the livelihood* of citizens in urban and non-urban areas ***through more modernisation and more sustainable industry based on technological innovation (e.g. improving quality control and resource efficiency through digitisation)***;

Or. en

Amendment 100

Patrizia Toia

Motion for a resolution

Paragraph 2 – point g

Motion for a resolution

(g) Improving the livelihoods of citizens in urban and non-urban areas;

Amendment

(g) Improving the livelihoods of citizens in urban and non-urban areas ***and their awareness of and ability to take advantage of the opportunities offered by digitalisation***;

Or. it

Amendment 101

Jean-Luc Schaffhauser, Dominique Bilde

Motion for a resolution

Paragraph 2 – point g

Motion for a resolution

(g) Improving the livelihoods of citizens in urban and non-urban areas;

Amendment

(g) Improving the livelihoods of citizens in urban and non-urban areas; ***putting an end to ‘white areas’***;

Amendment 102
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 2 – point g a (new)

Motion for a resolution

Amendment

**(ga) Strengthening the competitiveness
of European industries;**

Or. en

Amendment 103
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 2 – point h

Motion for a resolution

Amendment

(h) Stimulating technological and
social innovation in EU research;

(h) Stimulating technological and
social innovation in EU research ***through
an industrial digitisation policy with a
clear focus and vision;***

Or. en

Amendment 104
José Blanco López

Motion for a resolution
Paragraph 2 – point i

Motion for a resolution

Amendment

(i) Improving energy security through
a digitised, more flexible industrial
production;

(i) Improving energy security ***and
reducing energy consumption*** through a
digitised, more flexible ***and efficient***

industrial production;

Or. es

Amendment 105

Miroslav Poche

Motion for a resolution

Paragraph 2 – point i

Motion for a resolution

(i) Improving energy security through a digitised, more flexible industrial production;

Amendment

(i) Improving energy security through a digitised, more flexible industrial production *that will allow for better energy demand management*;

Or. cs

Amendment 106

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 2 – point i

Motion for a resolution

(i) Improving *energy security through a digitised, more flexible industrial* production;

Amendment

(i) Improving *the flexibility of energy* production;

Or. en

Amendment 107

Jean-Luc Schaffhauser, Dominique Bilde

Motion for a resolution

Paragraph 2 – point j

Motion for a resolution

Amendment

(j) Partnering with other macro-regions in the world in developing innovative and fair digital *open* markets;

(j) Partnering with other macro-regions in the world in developing innovative and fair digital markets, *while ensuring a high level of security in the flow and transfer of data*;

Or. fr

Amendment 108

Bernd Lange

Motion for a resolution

Paragraph 2 – point j

Motion for a resolution

(j) Partnering with other macro-regions in the world in developing *innovative and fair digital open markets*;

Amendment

(j) Partnering with other macro-regions in the world in developing *fair agreements and avoiding that negative effects caused by digitalisation are being transferred to partners*;

Or. en

Amendment 109

Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 2 – point j

Motion for a resolution

(j) *Partnering with other macro-regions in the world in developing innovative and fair digital open markets*;

Amendment

(j) *Contributing to the development of digital technology at a global level*;

Or. en

Amendment 110

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 2 – point j a (new)

Motion for a resolution

Amendment

(ja) Highlights the need for a more fair and effective European policy of taxation, clarifying questions such as tax base in an era of globally connected digital markets and digitised production;

Or. en

Amendment 111
Martina Werner, Theresa Griffin, Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 2 – point j a (new)

Motion for a resolution

Amendment

(ja) Strengthening the competitiveness of European industry vis-à-vis competitors from other macro-economic regions;

Or. en

Amendment 112
Patrizia Toia

Motion for a resolution
Paragraph 2 – point j a (new)

Motion for a resolution

Amendment

(ja) Supporting reshoring in Europe;

Or. en

Amendment 113

Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 2 – point j b (new)

Motion for a resolution

Amendment

(jb) Meeting increased risks of social tensions from workplace transformation and diminishing demand for certain jobs, with opportunities and incentives for skilling, re-skilling and life-long-learning;

Or. en

Amendment 114
András Gyürk

Motion for a resolution
Paragraph 2 a (new)

Motion for a resolution

Amendment

2a. (k) Unleashing the potential of European industries to leverage the entire economy by enhancing productivity and efficiency through the digitisation;

Or. en

Amendment 115
Gunnar Hökmark

Motion for a resolution
Paragraph 2 a (new)

Motion for a resolution

Amendment

2a. Attracting investments and world leading researchers and expertise, thus contributing to economic growth and European competitiveness;

Amendment 116
Gunnar Hökmark

Motion for a resolution
Paragraph 2 b (new)

Motion for a resolution

Amendment

2b. Supporting new business models and innovative start-ups driven by digitalisation and technological development;

Amendment 117

Cora van Nieuwenhuizen, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Pavel Telička, Carolina Punset

Motion for a resolution
Paragraph 3

Motion for a resolution

Amendment

3. Stresses the importance of ***an EU governance structure for the*** digitalisation of industry ***that facilitates the coordination of national initiatives and platforms on industrial digitalisation;*** calls on the Commission to ***consider setting a non-binding orientation target, that allows the EU to remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind;*** expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

3. Stresses the importance of digitalisation of industry ***for maintaining the EU's position as a global industrial leader;*** calls on the Commission to ***give concrete substance to its ambition of reaching the 20% of GDP manufacturing target; emphasizes, in this light, the re-shoring potential of digitising industry by decreasing production costs; recalls that an enabling regulatory framework and the build-up of a state-of-the-art European digital infrastructure are the best ways of stimulating digitisation of industry;*** expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be

invited to play an active role;

Or. en

Amendment 118

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 3

Motion for a resolution

3. Stresses the importance of **an** EU governance structure for **the** digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the **Commission** to consider setting a non-binding orientation target, that allows the EU to **remain a** global industrial **leader**; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

Amendment

3. Stresses the importance of **a** EU governance structure for Digitalisation of Industry that facilitates the coordination of national **and of EU-wide** initiatives and platforms on industrial digitalisation; calls on the **EC** to consider setting a non-binding orientation target, that allows the EU to **exert** global industrial **leadership**; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; **welcomes in this regard the proposed high-level Roundtable and European Stakeholder Forum; highlights the need to particularly include EU Member States that lack industrial digitalisation platforms or strategies in these structures to advance best practice sharing**; expects that besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role; **believes that these roundtables and platform of platforms should also be part of an outreach strategy; suggests that high-level roundtables could also take place in different European regions; supports therefore to have the European Stakeholder Forum meet each year in a different EU Member State**;

Amendment 119
Gunnar Hökmark

Motion for a resolution
Paragraph 3

Motion for a resolution

3. Stresses the importance of ***an EU governance structure*** for the digitalisation of industry that facilitates ***the coordination of national*** initiatives and ***platforms on*** industrial digitalisation; calls on the Commission to ***consider setting a non-binding orientation target, that allows the EU to remain a global industrial leader***; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will ***also be invited to*** play an active role;

Amendment

3. Stresses the importance of ***creating a competitive business environment*** for the digitalisation of industry that facilitates ***private*** initiatives and ***investments in*** industrial digitalisation; calls on the Commission to ***cut red tape in order to facilitate investments and reduce risk; making Europe a global centre for trade, information flows and industrial leadership as well as a base for new industries***, underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will play an active role ***in any forthcoming initiative from the Commission***;

Or. en

Amendment 120

Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa, João Ferreira

Motion for a resolution
Paragraph 3

Motion for a resolution

3. Stresses the importance of ***an EU governance structure*** for the digitalisation

Amendment

3. Stresses the importance of ***a coordinated EU forum*** for the

of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the EU to remain *a global industrial leader*; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, *besides industry leaders and social partners*, stakeholders from academia, the standardisation community, *trade unions*, policy-makers and civil society *as well as industry leaders, especially SMEs, will also be invited to play an active role*;

digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the EU to remain *at the frontier of digital development*; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that *the social partners, as well as* stakeholders from academia, the standardisation community, policy-makers and civil society *will be invited to play an active role*; *stresses the importance, in order to ensure a socially-just digital transition, of involving workers' representatives at every step of its digital strategy*;

Or. en

Amendment 121
Massimiliano Salini, Aldo Patriciello

Motion for a resolution
Paragraph 3

Motion for a resolution

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to *consider setting a non-binding orientation target, that allows* the EU to remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; *expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role*;

Amendment

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to *struggle to reach the 20% target of industry's share of GDP by 2020, that will allow* the EU to remain a global industrial leader; underlines the importance of advancing digitalisation, particularly in those regions that are lagging behind *and among those people that are affected by the digital divide*; *expects that, besides industry leaders, SMEs, trade unions, public administrations, the national and local levels of government and all the stakeholders involved*, will also be invited

to play an active role;

Or. en

Amendment 122

András Gyürk

Motion for a resolution

Paragraph 3

Motion for a resolution

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the EU to remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

Amendment

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the EU to remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders ***and emerging innovators***, especially SMEs, will also be invited to play an active role;

Or. en

Amendment 123

Evžen Tošenovský, Hans-Olaf Henkel

Motion for a resolution

Paragraph 3

Motion for a resolution

3. Stresses the importance of an EU ***governance*** structure for the digitalisation of industry that facilitates the coordination

Amendment

3. Stresses the importance of an EU ***coordinated*** structure for the digitalisation of industry that facilitates the coordination

of national initiatives and platforms on industrial digitalisation; ***calls on the Commission to consider setting a non-binding orientation target, that allows*** the EU ***to*** remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, ***the*** standardisation ***community, trade unions,*** policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

of national initiatives and platforms on industrial digitalisation; ***believes that*** the EU ***should*** remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, standardisation ***organisations,*** policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

Or. en

Amendment 124 **Olle Ludvigsson**

Motion for a resolution **Paragraph 3**

Motion for a resolution

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the EU to remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

Amendment

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the EU to remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; ***underlines the importance of cooperation between relevant actors and*** expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

Or. en

Amendment 125
José Blanco López

Motion for a resolution
Paragraph 3

Motion for a resolution

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the EU to remain a global industrial leader; underlines the **importance of advancing** digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

Amendment

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the EU to remain a global industrial leader; underlines the **need to combat the digital divide and advance** digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

Or. es

Amendment 126
Patrizia Toia

Motion for a resolution
Paragraph 3

Motion for a resolution

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the

Amendment

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the

EU to remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

EU to remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions **and sectors** that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role **in such a governance structure**;

Or. en

Amendment 127

Martina Werner, Theresa Griffin

Motion for a resolution

Paragraph 3

Motion for a resolution

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the EU to remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

Amendment

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the EU to remain a global industrial leader; **notes that a policy strategy on the digitalisation of industry should be linked to a broader EU industrial policy strategy, which needs to be developed before the end of 2017 by the Commission**; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

Amendment 128
Notis Marias

Motion for a resolution
Paragraph 3

Motion for a resolution

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the EU to remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

Amendment

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-binding orientation target, that allows the EU to remain a global industrial leader; underlines the importance of advancing digitalisation *in all EU Member States*, particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

Or. el

Amendment 129
Nadine Morano

Motion for a resolution
Paragraph 3

Motion for a resolution

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-

Amendment

3. Stresses the importance of an EU governance structure for the digitalisation of industry that facilitates the coordination of national initiatives and platforms on industrial digitalisation; calls on the Commission to consider setting a non-

binding orientation target, that allows the EU to remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

binding orientation target, that allows the EU to remain a global industrial leader; underlines the importance of advancing digitalisation particularly in those regions that are lagging behind; expects that, besides industry leaders and social partners, stakeholders from academia, the standardisation community, trade unions, policy-makers, **local and regional authorities** and civil society as well as industry leaders, especially SMEs, will also be invited to play an active role;

Or. fr

Amendment 130

Paloma López Bermejo, Neoklis Sylikiotis, Xabier Benito Ziluaga, Marisa Matias, Sofia Sakorafa

Motion for a resolution

Paragraph 4

Motion for a resolution

4. Asks the Commission to establish a specific industrial foresight unit that examines manufacturing and digitalisation trends, studies pertinent developments in other regions, identifies new key technologies and ensures that **European leadership in these areas is maintained and new trends are integrated into policies and actions;**

Amendment

4. Asks the Commission to establish a specific industrial foresight unit that examines manufacturing and digitalisation trends, studies pertinent developments in other regions, identifies new key technologies and ensures that **new trends are integrated into policies and actions in order to allow the European economy to benefit from new digital developments, while embedding them in a policy framework that ensures data protection and privacy and worker's rights as well as a more cohesive European economy;**

Or. en

Amendment 131

Cora van Nieuwenhuizen, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Pavel Telička, Carolina Punset

Motion for a resolution
Paragraph 4

Motion for a resolution

4. Asks the Commission to ***establish a specific industrial foresight unit that examines*** manufacturing and digitalisation trends, ***studies*** pertinent developments in other regions, ***identifies*** new key technologies and ***ensures*** that European leadership in these areas is maintained and new trends are integrated into policies and actions;

Amendment

4. Asks the Commission to ***continue its important work in examining*** manufacturing and digitalisation trends, ***studying*** pertinent developments in other regions, ***identifying*** new key technologies and ***ensuring*** that European leadership in these areas is maintained and new trends are integrated into policies and actions; ***calls on the Commission to cooperate closely with national Research and Technology Organisations in this regard;***

Or. en

Amendment 132
Notis Marias

Motion for a resolution
Paragraph 4

Motion for a resolution

4. ***Asks*** the Commission to establish a specific industrial foresight unit that examines manufacturing and digitalisation trends, studies pertinent developments in other regions, identifies new key technologies and ensures that European leadership in these areas is maintained and new trends are integrated into policies and actions;

Amendment

4. ***Calls on*** the Commission to establish a specific industrial foresight unit that examines manufacturing and digitalisation trends, studies pertinent developments in other regions, identifies new key technologies and ensures that European leadership in these areas is maintained and new trends are integrated into policies and actions ***for the benefit of all EU Member State citizens;***

Or. el

Amendment 133
Miapetra Kumpula-Natri

Motion for a resolution

Paragraph 4

Motion for a resolution

4. Asks the Commission to **establish a specific industrial foresight unit that examines** manufacturing and digitalisation trends, **studies** pertinent developments in other regions, **identifies** new key technologies and **ensures** that European leadership in these areas is maintained and new trends are integrated into policies and actions;

Amendment

4. Asks the Commission to **examine** manufacturing and digitalisation trends, **study** pertinent developments in other regions, **identify** new key technologies and **ensure** that European leadership in these areas is maintained and new trends are integrated into policies and actions;

Or. en

Amendment 134 Henna Virkkunen

Motion for a resolution Paragraph 4

Motion for a resolution

4. Asks the Commission to **establish a specific** industrial foresight **unit that examines** manufacturing and digitalisation trends, **studies** pertinent developments in other regions, **identifies** new key technologies and **ensures** that European leadership in these areas is maintained and new trends are integrated into policies and actions;

Amendment

4. Asks the Commission to **engage in** industrial foresight, **examining** manufacturing and digitalisation trends, **studying** pertinent developments in other regions, **identifying** new key technologies and **ensuring** that European leadership in these areas is maintained and new trends are integrated into policies and actions;

Or. fi

Amendment 135 Evžen Tošenovský, Hans-Olaf Henkel

Motion for a resolution Paragraph 4

Motion for a resolution

4. Asks the Commission to **establish a**

Amendment

4. Asks the Commission to **update the**

specific industrial foresight unit that examines manufacturing and digitalisation trends, *studies* pertinent developments in other regions, identifies new key technologies *and ensures* that European leadership in these areas *is* maintained and new trends are integrated into policies and actions;

relevant committees on recent manufacturing and digitalisation trends , *focuses on* pertinent developments in other regions *and* identifies new key technologies; *believes* that European leadership in these areas *should be* maintained and new trends are integrated into policies and actions;

Or. en

Amendment 136
José Blanco López

Motion for a resolution
Paragraph 4

Motion for a resolution

4. Asks the Commission to *establish* a specific industrial foresight unit that examines manufacturing and digitalisation trends, studies pertinent developments in other regions, identifies new key technologies and ensures that European leadership in these areas is maintained and new trends are integrated into policies and actions;

Amendment

4. Asks the Commission to *study the desirability of establishing* a specific industrial foresight unit that examines manufacturing and digitalisation trends, studies pertinent developments in other regions, identifies new key technologies and ensures that European leadership in these areas is maintained and new trends are integrated into policies and actions;

Or. es

Amendment 137
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 4

Motion for a resolution

4. Asks the *Commission* to establish a specific industrial foresight unit that examines manufacturing and digitalisation trends, studies pertinent developments in

Amendment

4. Asks the *EC* to establish a specific industrial foresight unit that examines manufacturing and digitalisation trends, *as well as trends in non-technical disciplines*

other regions, identifies new key technologies and ensures that European leadership in these areas is maintained and new trends are integrated into policies and actions;

*(such as law, policy, administration, communications, etc.), studies pertinent developments in other regions, identifies new key technologies and ensures that European leadership in these areas is maintained and new trends are integrated into policies and actions **while taking into account the concepts of security by design and privacy by design**;*

Or. en

Amendment 138

Cora van Nieuwenhuizen, Pavel Telička, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Carolina Punset

Motion for a resolution

Paragraph 4 a (new)

Motion for a resolution

Amendment

4a. Calls on the Commission to ensure that its industry policies are in concordance with the 'Innovation Principle', so that potential effects on research and innovation will be part of the impact assessment;

Or. en

Amendment 139

Cora van Nieuwenhuizen, Pavel Telička, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Carolina Punset

Motion for a resolution

Paragraph 4 b (new)

Motion for a resolution

Amendment

4b. Stresses the importance of technology neutrality in all levels of industry policy and legislation; calls on the Commission to safeguard and promote the principle of technology neutrality in

all its actions regarding the digitisation of European industry;

Or. en

Amendment 140

Cora van Nieuwenhuizen, Pavel Telička, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Carolina Punset

Motion for a resolution

Paragraph 4 c (new)

Motion for a resolution

Amendment

4c. Highlights that industrial value chains are increasingly distributed across Europe and that EU-coordination is therefore justified and necessary; calls on the Commission to facilitate cross-fertilisation between the different national initiatives in digitising industry, such as Industrie 4.0 in Germany, Industrie du Futur in France, Smart Industry in The Netherlands and many more; calls for the exchange of best practices in this regard;

Or. en

Amendment 141

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa

Motion for a resolution

Subheading 2

Motion for a resolution

Amendment

Creating conditions for successful industrial digitalisation: infrastructure, investment, innovation

Creating conditions for successful industrial digitalisation: infrastructure, investment, innovation, **social dialogue**

Or. en

Amendment 142
Miapetra Kumpula-Natri

Motion for a resolution
Subheading 2

Motion for a resolution

Creating conditions for successful industrial digitalisation: infrastructure, investment, innovation

Amendment

Creating conditions for successful industrial digitalisation: infrastructure, investment, innovation, *ecosystems*

Or. en

Amendment 143
Patrizia Toia

Motion for a resolution
Subheading 2

Motion for a resolution

Creating conditions for successful industrial digitalisation: infrastructure, investment, innovation

Amendment

Creating conditions for successful industrial digitalisation: infrastructure, investment, innovation *and skills*

Or. en

Amendment 144
José Blanco López

Motion for a resolution
Paragraph 5

Motion for a resolution

5. Stresses that *integrated* industrial digitalisation *must be based on strong enabling conditions*;

Amendment

5. Stresses that industrial digitalisation *entails adapting and modernising the regulatory framework and boosting investment in R&D&I, digital infrastructure, security and job-based training; notes that the Commission puts the volume of public and private investment that will be mobilised in the coming five years as part of the European*

digitisation strategy at EUR 50 billion; regrets the lack of specific information on the origin and coordination of this investment with a view to achieving the objectives set in the strategy;

Or. es

Amendment 145

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 5

Motion for a resolution

5. Stresses that integrated industrial digitalisation must be based on strong enabling conditions;

Amendment

5. *Underlines that an Industrial Digitalisation Strategy holds the opportunity to advance innovation, efficiency and sustainable technologies that raise competitiveness and modernise the EU's industrial base; stresses that an integrated industrial digitalisation must be based on strong enabling conditions ranging from a first-rate infrastructure, R&D and an investment-friendly environment to a reliable innovation-nudging regulatory framework, deepened digital single market, good skills and entrepreneurship;*

Or. en

Amendment 146

Massimiliano Salini, Aldo Patriciello

Motion for a resolution

Paragraph 5

Motion for a resolution

5. Stresses that integrated industrial digitalisation must be based on strong enabling conditions;

Amendment

5. Stresses that integrated industrial digitalisation must be based on strong enabling conditions, *as an appropriate up-to-date legislative framework, a future*

proof digital infrastructure, a supportive investment environment and the develop of the necessary skills;

Or. en

Amendment 147
Notis Marias

Motion for a resolution
Paragraph 5

Motion for a resolution

5. Stresses that integrated industrial digitalisation must *be based on strong enabling conditions*;

Amendment

5. Stresses that integrated industrial digitalisation must *meet the needs of and benefit small and medium enterprises, especially consumers at European, national, regional and local level*;

Or. el

Amendment 148
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 5

Motion for a resolution

5. Stresses that integrated industrial digitalisation must be based on strong enabling conditions;

Amendment

5. Stresses that integrated industrial digitalisation must be based on strong enabling conditions; *highlights the horizontal nature of digitalization and cross-sectoral ecosystems*;

Or. en

Amendment 149
Jean-Luc Schaffhauser, Dominique Bilde

Motion for a resolution

Paragraph 5

Motion for a resolution

5. Stresses that integrated industrial digitalisation must be based on strong enabling conditions;

Amendment

5. Stresses that integrated industrial digitalisation must be based on strong enabling conditions ***and on a synergy between hardware and software actors***;

Or. fr

Amendment 150

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa

Motion for a resolution

Paragraph 5

Motion for a resolution

5. Stresses that integrated industrial digitalisation must be based on strong enabling conditions;

Amendment

5. Stresses that integrated industrial digitalisation must be based on strong enabling conditions ***and strengthened social dialogue***;

Or. en

Amendment 151

Bernd Lange

Motion for a resolution

Paragraph 5 a (new)

Motion for a resolution

Amendment

5a. Underlines that in order to avoid a fragmentation of the European market in the field of digitalisation, a better coordination of national and regional initiatives is highly needed; believes that in this context the exchange of best practices between the European member states is crucial;

Amendment 152
José Blanco López

Motion for a resolution
Paragraph 6

Motion for a resolution

6. Highlights in this context the need *to advance* investment in *connectivity through 5G and fibre optics* as *an instrument* for convergence *and* ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

6. Highlights in this context the need to *create a favourable climate for promoting* investment in *high-speed broadband network infrastructure and fostering the deployment of 5G* as *instruments* for convergence, ensuring a robust digital infrastructural backbone for Europe's industry, *so that all industries, regardless of sector, size or location, can make the most of the benefits of digital innovations*;

Or. es

Amendment 153
Reinhard Büttikofer
 on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 6

Motion for a resolution

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital *infrastructural* backbone for Europe's industry;

Amendment

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics *infrastructure* as an instrument for convergence and ensuring a robust digital backbone for Europe's industry; *emphasises the need to particularly advance digital infrastructure in regions lagging behind in connectivity; highlights the need to establish leadership in digital industrial value chains and key technologies, such as 5G, quantum technologies, high-performance*

computing, artificial intelligence, cloud computing, big data analytics, the Internet of Things, robotics and automation; supports in this regard the EC working documents accompanying the EC Communication;

Or. en

Amendment 154
Massimiliano Salini, Aldo Patriciello

Motion for a resolution
Paragraph 6

Motion for a resolution

6. Highlights *in this context the need* to advance *investment* in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

6. Highlights *the importance of a fair competition and strong incentives* to advance *investments* in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone, *in the urban and in the industrial areas*, for Europe's industry;

Or. en

Amendment 155
Cora van Nieuwenhuizen, Angelika Mlinar, Lieve Wierinck, Pavel Telička, Carolina Punset

Motion for a resolution
Paragraph 6

Motion for a resolution

6. Highlights in this context the need to advance investment in connectivity through 5G *and fibre optics* as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

6. Highlights in this context the need to advance investment in *high-speed* connectivity, *for example* through 5G, *fibre optics and satellite communications*, as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment 156

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 6

Motion for a resolution

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

6. Highlights in this context the need to advance **public** investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry; ***stresses the importance of public control and regulation of said sector, in order to better serve the needs of a changing economy; highlights the importance of timing the transition to ensure that enough spectrum remains available for current users such as radio and television broadcasters, considering also their importance for European creative and cultural industries;***

Amendment 157

Patrizia Toia

Motion for a resolution

Paragraph 6

Motion for a resolution

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry; ***underlines that competition and incentives for investment***

on broadband infrastructure in EU are essential especially in industrial areas, often located outside the urban areas; highlights the importance of a greater harmonisation in spectrum allocation aiming at increasing demand for connectivity and to enhance the predictability of the network investment environment;

Or. en

Amendment 158
Martina Werner

Motion for a resolution
Paragraph 6

Motion for a resolution

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry; *notes that an EU wide future-proof digital infrastructure can not only rely on funding from private sources supported by public guarantees, but needs grants as well; asks to earmark a substantial budget for digital infrastructure investments in the Connecting Europe Facility in the upcoming MFF;*

Or. en

Amendment 159
Bernd Lange

Motion for a resolution
Paragraph 6

Motion for a resolution

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry; ***stresses, that a 50 MBit/s connectivity organized on European level is essential; underlines that due to the fact that data ownership and market power correlate, sufficient open infrastructure for SMEs must be particularly ensured;***

Or. en

Amendment 160
Olle Ludvigsson

Motion for a resolution
Paragraph 6

Motion for a resolution

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence ***across Europe, including all regions and all Member States***, and ensuring a robust, ***safe and reliable*** digital infrastructural backbone for Europe's industry. ***A world-class digital infrastructure will support the European industry and foster innovation;***

Or. en

Amendment 161
Barbara Kappel

Motion for a resolution
Paragraph 6

Motion for a resolution

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry, ***which in turn will assist SMEs***;

Or. de

Amendment 162

Theresa Griffin, Jude Kirton-Darling, Martina Werner, Clare Moody

Motion for a resolution

Paragraph 6

Motion for a resolution

6. Highlights in this context the need to advance investment in connectivity through 5G and ***fibre optics*** as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

6. Highlights in this context the need to advance investment in connectivity through 5G and ***very high capacity broadband networks*** as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Or. en

Amendment 163

Kaja Kallas

Motion for a resolution

Paragraph 6

Motion for a resolution

6. Highlights in this context the need to advance investment in connectivity through 5G and ***fibre optics*** as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

6. Highlights in this context the need to advance investment in connectivity through 5G and ***ultra-fast broadband networks*** as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment 164
Notis Marias

Motion for a resolution
Paragraph 6

Motion for a resolution

6. **Highlights** in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

6. **Notes** in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Or. el

Amendment 165
Nadine Morano

Motion for a resolution
Paragraph 6

Motion for a resolution

6. Highlights in this context the need to advance investment in connectivity through 5G and fibre optics as an instrument for convergence and ensuring a robust digital infrastructural backbone for Europe's industry;

Amendment

(Does not affect the English version.)

Or. fr

Amendment 166
Cora van Nieuwenhuizen, Pavel Telička, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Carolina Punset

Motion for a resolution
Paragraph 6 a (new)

Motion for a resolution

Amendment

6a. *Underlines the importance of High Performance Computing for a future-proof European digital infrastructure; stresses that HPC can increase the competitiveness of European industry by allowing access to supercomputer calculating speed for e.g. modelling or simulation; highlights the potential of HPC for SMEs and believes the development of HPC competence centres and the Fortissimo initiative of the European Commission are positive examples in this regard; calls on the Commission and the Member States to maintain high HPC-ambitions and to realise exascale computing for Europe by 2020;*

Or. en

Amendment 167
Algirdas Saudargas

Motion for a resolution
Paragraph 6 a (new)

Motion for a resolution

Amendment

6a. *Points out that the impact of language barriers on industry and its digitisation has not been adequately considered or evaluated in documents on the digital market; urges the Commission and the Member States to promote the development of language technologies that will, alongside the digitisation of industry, reduce the fragmentation of the European market;*

Or. lt

Amendment 168
José Blanco López

Motion for a resolution
Paragraph 6 a (new)

Motion for a resolution

Amendment

6a. Calls, in this regard, for a doubling of efforts on standardisation with a view to ensuring that Europe plays a leading role in setting technology standards allowing for the deployment of 5G networks and services;

Or. es

Amendment 169
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 6 a (new)

Motion for a resolution

Amendment

6a. Stresses the importance of logistics for European export industries and creating ecosystems that combine digital optimisation of supply chains with logistics in Europe and beyond;

Or. en

Amendment 170
Evžen Tošenovský, Hans-Olaf Henkel

Motion for a resolution
Paragraph 6 a (new)

Motion for a resolution

Amendment

6a. Underlines the need for a high density of secure high-speed wireless networks based on state-of-the art technologies;

Or. en

Amendment 171

Cora van Nieuwenhuizen, Pavel Telička, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Carolina Punset

Motion for a resolution

Paragraph 6 b (new)

Motion for a resolution

Amendment

6b. Emphasises the importance of cloud computing for a future-proof European digital infrastructure; stresses that the Cloud can provide European industry with mass data storage capacities and high processing speed at low costs; calls on the Commission to increase industrial awareness of the benefits of cloud computing, so that a market-led extension of its user base may be attained;

Or. en

Amendment 172

Evžen Tošenovský, Hans-Olaf Henkel

Motion for a resolution

Paragraph 6 b (new)

Motion for a resolution

Amendment

6b. Underlines the critical importance of reliable positioning and timing information provided by the European satellite navigation programmes Galileo and EGNOS for the precise employment of autonomous systems in logistics and industrial production;

Or. en

Amendment 173

Cora van Nieuwenhuizen, Pavel Telička, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Carolina Punset

**Motion for a resolution
Paragraph 6 c (new)**

Motion for a resolution

Amendment

6c. Stresses the high potential of satellite technologies for digitising industry, notably by establishing high-speed connectivity, also in remote areas, and by facilitating the Internet of Things through positioning services; highlights in this respect the key importance of satellite technology for Highly Automated Driving; calls on the Commission and the Member States to ensure that European industry can benefit to the full extent from the European flagship programmes Galileo and Copernicus;

Or. en

Amendment 174

Cora van Nieuwenhuizen, Angelika Mlinar, Lieve Wierinck, Pavel Telička, Carolina Punset

**Motion for a resolution
Paragraph 6 d (new)**

Motion for a resolution

Amendment

6d. Takes note of the large opportunities of Distributed Ledger Technology for European industry, for example in the areas of intercompany transactions, traceability during the manufacturing process and recycling; calls on the Commission and national Research and Technology Organisations to identify possible obstacles to the deployment of DLT;

Or. en

Amendment 175

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 7

Motion for a resolution

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, *start-ups, academia, finance* and other stakeholders can be successful models in advancing digital manufacturing and innovation; notes the importance of *utilising* digitalisation *for advancing* business *model innovations*;

Amendment

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector and other stakeholders can be successful models in advancing digital manufacturing and innovation; *highlights the fundamental role of the public sector in creating new digital knowledge and innovation*; notes the importance of digitalisation *in changing* business *models and calls on the EU and Member States to ensure labour legislation is adapted to the new environment, in order to preserve workers' rights and strengthen collective bargaining*;

Or. en

Amendment 176

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 7

Motion for a resolution

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, start-ups, academia, finance and other stakeholders can be successful models in advancing digital manufacturing and innovation; notes the importance of utilising digitalisation for advancing business model innovations;

Amendment

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, start-ups, academia, *consumer organisations*, finance and other stakeholders can be successful models in advancing digital manufacturing and innovation; *encourages EU research, innovation, structural, cohesion, EFSI*

and other funds to be used in synergy with other national and regional funds as well as private investments to drive industrial digitalisation; calls on the EC to review state aid rules to allow Member States and regions to advance necessary digital infrastructure investments; stresses the importance of accelerator programmes and venture capital to help the scale-up of start-ups; notes the importance of utilising digitalisation for advancing business model innovations such as "pay-per-output" systems;

Or. en

Amendment 177

Bernd Lange

Motion for a resolution

Paragraph 7

Motion for a resolution

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, start-ups, academia, finance and other stakeholders can be successful models in advancing digital manufacturing and innovation; notes the importance of utilising digitalisation for advancing business model innovations;

Amendment

7. ***Underlines that regions need to focus on their productive strengths and foster their development through Smart Specialisation, Smart Chains and clusters;*** believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, start-ups, academia, finance and other stakeholders can be successful models in advancing digital manufacturing and innovation; notes the importance of utilising digitalisation for advancing business model innovations;

Or. en

Amendment 178

Miapetra Kumpula-Natri

Motion for a resolution

Paragraph 7

Motion for a resolution

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, start-ups, academia, finance and other stakeholders can be successful models in advancing digital manufacturing and innovation; notes the importance of utilising digitalisation for advancing business model innovations;

Amendment

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, start-ups, academia, finance and other stakeholders can be successful models in advancing digital manufacturing and innovation; notes the importance of utilising digitalisation for advancing business model innovations, ***such as tailored products in industrial scale according to consumer needs;***

Or. en

Amendment 179

Massimiliano Salini, Aldo Patriciello

Motion for a resolution

Paragraph 7

Motion for a resolution

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, start-ups, academia, finance and other stakeholders can be successful models in advancing digital manufacturing and innovation; notes the importance of utilising digitalisation for advancing business model innovations;

Amendment

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, ***the creative industry sector,*** start-ups, academia, finance and other stakeholders can be successful models in advancing digital manufacturing and innovation; notes the importance of utilising digitalisation for advancing business model innovations;

Or. en

Amendment 180

José Blanco López

Motion for a resolution

Paragraph 7

Motion for a resolution

Amendment

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, start-ups, academia, finance and other stakeholders can be successful models in advancing digital manufacturing and innovation; notes the importance of utilising digitalisation for advancing business model innovations;

7. Believes that clusters and synergies between SMEs, *social and* industrial players, the skilled crafts sector, start-ups, academia, finance and other stakeholders can be successful models in advancing digital manufacturing and innovation; notes the importance of utilising digitalisation for advancing business model innovations;

Or. es

Amendment 181
Patrizia Toia

Motion for a resolution
Paragraph 7

Motion for a resolution

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, start-ups, academia, finance and other stakeholders can be successful models in advancing digital manufacturing and innovation; notes the importance of utilising digitalisation for advancing business model innovations;

Amendment

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, start-ups, academia, *research centres*, finance and other stakeholders can be successful models in advancing digital manufacturing and innovation; notes the importance of utilising digitalisation for advancing business model innovations;

Or. en

Amendment 182
Notis Marias

Motion for a resolution
Paragraph 7

Motion for a resolution

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, start-ups, academia, finance and other stakeholders can be

Amendment

7. Believes that clusters and synergies between SMEs, industrial players, the skilled crafts sector, start-ups, academia, finance and other stakeholders can be

successful models in advancing digital manufacturing and innovation; notes the **importance of utilising** digitalisation for advancing business model innovations;

successful models in advancing digital manufacturing and innovation; notes the **need to utilise** digitalisation for advancing business model innovations;

Or. el

Amendment 183
Christian Ehler

Motion for a resolution
Paragraph 7 a (new)

Motion for a resolution

Amendment

7a. Highlights the potential of Cultural and Creative Industries regarding youth employment and reindustrialisation and in particular the growing opportunities in the cultural and creative sector created by the digital environment for young people;

Or. en

Amendment 184
Reinhard Büttikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 8

Motion for a resolution

Amendment

8. Believes that **special** attention should **be devoted** to SMEs **whose** relative gains, in terms of energy and resource efficiency as well production efficiency through **already modest** digitalisation efforts, **are highest**;

8. Believes that **specific** attention should **go** to SMEs **where the** relative gains in terms of energy and resource efficiency as well production efficiency through **digitalisation efforts would be highest, where own capital and resources for R&D is limited and where connecting to a digitised economy can dramatically upscale economic success; stresses digitalisation demo tours and a**

strengthening of SME and industry associations and their outreach via digitisation programmes, the strengthening of centres for applied sciences with a focus on digitalisation, the co-funding for SME in-house R&D and the evaluation of digitalised modernisation, the strengthening of SME focused advisory councils in respect to their digitalisation competences, and a European programme on a digital sabbatical or apprenticeship similar to Erasmus that could be an instruments to further success;

Or. en

Amendment 185
Bernd Lange

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Believes that special attention should be devoted to SMEs whose relative gains, in terms of energy and resource efficiency as well production efficiency through already modest digitalisation efforts, are highest;

Amendment

8. Believes that special attention should be devoted to SMEs ***that are lagging behind in the digitalisation process*** whose relative gains, in terms of energy and resource efficiency as well production efficiency through already modest digitalisation efforts, are highest; ***highlights that the promotion of new business models/ smart factories as well as addressing challenges in the field of data ownership and data access is crucial for the participation of SMEs in the transformation process;***

Or. en

Amendment 186
Massimiliano Salini, Aldo Patriciello

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Believes that special attention should be devoted to SMEs whose relative gains, in terms of energy and resource efficiency as well production efficiency through already modest digitalisation efforts, are highest;

Amendment

8. Believes that special attention should be devoted to ***the specific problem faced by*** SMEs whose relative gains, in terms of energy and resource efficiency as well production efficiency through already modest digitalisation efforts, are highest;

Or. en

Amendment 187
Barbara Kappel

Motion for a resolution
Paragraph 8 – point a (new)

Motion for a resolution

Amendment

(a) Stresses in this context that the establishment of a Knowledge and Innovation Community in the area of added-value manufacturing by the European Institute of Innovation and Technology (EIT), during the current programme period, is of great importance;

Or. de

Amendment 188
Christian Ehler

Motion for a resolution
Paragraph 8 a (new)

Motion for a resolution

Amendment

8a. Stresses that cultural and creative industries (CCIs), the majority of which are made up of SMEs, operate in a constantly evolving environment, and as

such are challenged to rethink and reshape new business models in order to develop market-driven solutions and attract new audiences; emphasises the opportunities that new ICTs such as big data, cloud computing, the Internet of things offer the economy and society, especially when integrated with sectors such as CCIs, and in particular regarding the distribution, exploitation and production of creative works; stresses, however that, in order for CCIs to fully seize the potential for growth and jobs of new technologies, the completion of the Digital Single Market must be a priority; stresses furthermore the need to improve legal certainty and reduce the administrative burden; calls on the Member States and the Commission to support the digitisation of cultural content; stresses, in this regard, that the Commission's 'Digitising the industry' plan and the EU enforcement framework should fully take the specific features of CCIs into account;

Or. en

Amendment 189

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 9

Motion for a resolution

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the *Commission's* proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; calls on the *Commission* to increase the funding for the DIH;

Amendment

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the *EC's* proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs *in all regions; notes that the skilled crafts sector shouldn't be ignored in that regard;* calls on the *EC to particularly*

drive forward the establishment of DIH and digital competence centres in less digitalised European regions; calls on the EC to increase the funding for the DIH; believes that designated DIH should specialise in industrial digital innovations contributing to tackling Europe's societal challenges; believes that Horizon 2020 funding for the DIH could be combined with Horizon 2020 funding for societal challenges in this regard; notes the importance of ICT innovation vouchers for SMEs in accessing advice, best-practice sharing and the expertise of DIH; asks the EC to particularly study in this regard the French Digitalisation-Vouchers system used for financing industrial modernisation;

Or. en

Amendment 190
Patrizia Toia

Motion for a resolution
Paragraph 9

Motion for a resolution

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the *Commission's* proposal *for* Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; calls on the Commission to increase the funding for the DIH;

Amendment

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the *EC's* proposal *included in the Action Plan on digitization of industry, to create a network of Competence Centres (CC) and* Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; calls on the Commission to increase the funding for the DIH, *through different European resources (H2020, Structural Funds etc.) and to support Member States' efforts and strategies aimed at developing a national network of DIH; calls on Member States to increase the transnational cooperation among their DIH;*

Amendment 191
Barbara Kappel

Motion for a resolution
Paragraph 9

Motion for a resolution

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; ***calls on the Commission to increase the funding for the DIH;***

Amendment

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs;

Amendment 192
Evžen Tošenovský, Hans-Olaf Henkel

Motion for a resolution
Paragraph 9

Motion for a resolution

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; ***calls on the Commission to increase the funding for the DIH;***

Amendment

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs;

Amendment 193

José Blanco López

Motion for a resolution

Paragraph 9

Motion for a resolution

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; calls on the Commission to increase the funding for the DIH;

Amendment

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; ***calls on the Commission to encourage a balanced geographical spread between such hubs to help combat digital exclusion and ensure they boost cross-border cooperation***; calls on the Commission to increase the funding for the DIH;

Or. es

Amendment 194

Martina Werner, Theresa Griffin

Motion for a resolution

Paragraph 9

Motion for a resolution

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; calls on the Commission to increase the funding for the DIH;

Amendment

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; calls on the Commission to increase the funding for the DIH; ***calls on the Commission to include the aspect of skills development in the portfolio of DIHs, e.g. through showcasing AI-based learning assistance systems with the aim of facilitating continuing education for workers***;

Amendment 195

Cora van Nieuwenhuizen, Pavel Telička, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Carolina Punset

Motion for a resolution

Paragraph 9

Motion for a resolution

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; calls on the Commission to increase the funding for the DIH;

Amendment

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; calls on the Commission to increase the funding for the DIH ***and to facilitate a 'sand box' approach in which cross-sectorial experiments in a controlled environment will not be blocked by standing regulation;***

Amendment 196

Massimiliano Salini, Aldo Patriciello

Motion for a resolution

Paragraph 9

Motion for a resolution

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; calls on the Commission to increase the funding for the DIH;

Amendment

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) ***and the network of Competence Centres (CC)*** to strengthen industrial digitalisation and digital innovation for SMEs; calls on the Commission to increase the funding for the

DIH;

Or. en

Amendment 197
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 9

Motion for a resolution

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; calls on the Commission to increase the funding for the DIH;

Amendment

9. Welcomes the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation, ***including digital skills***, and digital innovation for SMEs; calls on the Commission to increase the funding for the DIH;

Or. en

Amendment 198
Notis Marias

Motion for a resolution
Paragraph 9

Motion for a resolution

9. ***Welcomes*** the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; calls on the Commission to increase the funding for the DIH;

Amendment

9. ***Notes*** the establishment of the Smart Specialisation Platform for Industrial Modernisation and particularly the Commission's proposal for Digital Innovation Hubs (DIH) to strengthen industrial digitalisation and digital innovation for SMEs; calls on the Commission to increase the funding for the DIH;

Or. el

Amendment 199
Miroslav Poche

Motion for a resolution
Paragraph 9 a (new)

Motion for a resolution

Amendment

9a. *Welcomes the establishment of a network of start-up accelerators which, particularly in regions with high unemployment, will help attract new investments through innovation, and the better use of clusters with technology infrastructure and innovation intermediaries;*

Or. cs

Amendment 200
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 10

Motion for a resolution

Amendment

10. Notes the important role of cities *in* providing digital infrastructure and support for SMEs, entrepreneurs and industry, and the immense opportunities *which* digital-industrial innovation holds for cities; asks the *Commission* to look into the US 'Cities Innovation Technology Investment Initiative (CITIIS)'; welcomes the publication of a European Digital City Index;

10. Notes the important role of cities *and local governments in developing new business models and* providing digital infrastructure and support for SMEs, entrepreneurs and industry, and the immense opportunities digital-industrial innovation holds for cities *for example via zero-waste local manufacturing, a closer integration between industrial production and local and urban logistics and transport, on energy production, consumption, manufacturing and 3D printing; considers that cities should also be able to access the DIH;* asks the *EC* to look into the US "Cities Innovation Technology Investment Initiative

(CITIIS)"; welcomes the publication of a European Digital City Index *and initiatives to promote data and systems interoperability among European cities; believes the exchange of best-practice amongst cities could help disseminate digital innovations; notes that the SMART Cities initiative plays a role in this context; highlights the positive experience of regional advisory fora that bring together local administration, academia, and local businesses to exchange best-practice and information regarding the latest technologies and innovations;*

Or. en

Amendment 201
Notis Marias

Motion for a resolution
Paragraph 10

Motion for a resolution

10. Notes the important role of cities in providing digital infrastructure and support for SMEs, entrepreneurs and industry, and the immense opportunities which digital-industrial innovation holds for cities; asks the Commission to look into the US ‘Cities Innovation Technology Investment Initiative (CITIIS)’; welcomes the publication of a European Digital City Index;

Amendment

10. Notes the important role of cities in providing digital infrastructure and support for SMEs, entrepreneurs and industry, and the immense opportunities which digital-industrial innovation holds for cities; asks the Commission to look into the US ‘Cities Innovation Technology Investment Initiative (CITIIS)’ *and increase immediately investment in these sectors in the EU Member States*; welcomes the publication of a European Digital City Index;

Or. el

Amendment 202
Jean-Luc Schaffhauser, Dominique Bilde

Motion for a resolution

Paragraph 10

Motion for a resolution

10. Notes the important role of cities in providing digital infrastructure and support for SMEs, entrepreneurs and industry, and the immense opportunities which digital-industrial innovation holds for cities; asks the Commission to look into the US ‘Cities Innovation Technology Investment Initiative (CITIIS)’; **welcomes the publication of a European Digital City Index;**

Amendment

10. Notes the important role of cities in providing digital infrastructure and support for SMEs, entrepreneurs and industry, and the immense opportunities which digital-industrial innovation holds for cities; asks the Commission to look into the US ‘Cities Innovation Technology Investment Initiative (CITIIS)’;

Or. fr

Amendment 203

Massimiliano Salini, Aldo Patriciello

Motion for a resolution

Paragraph 10

Motion for a resolution

10. Notes the important role of cities in providing digital infrastructure and support for SMEs, entrepreneurs and industry, and the immense opportunities which digital-industrial innovation holds for cities; asks the Commission to look into **the US ‘Cities Innovation Technology Investment Initiative (CITIIS)’**; welcomes the publication of a European Digital City Index;

Amendment

10. Notes the important role of cities in providing digital infrastructure and support for SMEs, entrepreneurs and industry, and the immense opportunities which digital-industrial innovation holds for cities; asks the Commission to look into **local, national and international best practices**; welcomes the publication of a European Digital City Index;

Or. en

Amendment 204

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 10

Motion for a resolution

10. Notes the important role of cities in providing digital infrastructure and support for SMEs, *entrepreneurs* and industry, and the immense opportunities which digital-industrial innovation holds for cities; asks the Commission to look into the US ‘Cities Innovation Technology Investment Initiative (CITIIS)’; welcomes the publication of a European Digital City Index;

Amendment

10. Notes the important role of cities in providing digital infrastructure and support for SMEs and industry, and the immense opportunities which digital-industrial innovation holds for cities; asks the Commission to look into the US ‘Cities Innovation Technology Investment Initiative (CITIIS)’; welcomes the publication of a European Digital City Index;

Or. en

Amendment 205

Cora van Nieuwenhuizen, Pavel Telička, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Carolina Punset

**Motion for a resolution
Paragraph 10 a (new)**

Motion for a resolution

Amendment

10a. Underlines the transformative nature that Highly Automated Driving can have for transport in Europe; calls on the Commission and the Member States to work together with the transport industry to address legal and technical questions surrounding HAD and identify its obstacles to its cross-border development in the Union;

Or. en

Amendment 206

Bernd Lange

**Motion for a resolution
Paragraph 10 a (new)**

Motion for a resolution

Amendment

10a. *Notes that China announced to be Number 1 in the industrial sector in a few years and will do many efforts in particular in the field of digitalisation;*

Or. en

Amendment 207
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 10 a (new)

Motion for a resolution

Amendment

10a. *Underlines that investment in modernization is a significant precondition for industries to remain in Europe;*

Or. en

Amendment 208
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 11

Motion for a resolution

Amendment

11. Highlights the role that public procurement can play in advancing new industrial digital innovations and technology; asks the *Commission* to include a digital check in its REFIT Programme;

11. Highlights the role that public procurement ***and legal requirements for registration of business and reporting on business activity or disclosure*** can play in advancing new industrial digital innovations and ***privacy-friendly*** technology; asks the ***EC to consider how public procurement could be employed as an innovation-pull mechanism, particularly for the Internet of Things;*** asks the ***EC*** to include a digital check in its REFIT Programme ***to ensure that regulations are up-to-date for the digital***

context; calls on the EC to investigate the concept of "regulatory test bed areas" where a limited geographic area can be exempt from certain legislation for purposes of testing new technologies and innovations, while ensuring environmental and social standards; recommends accelerating the adaptation of the legal and technological environment, such as IPv6 transition, to the needs for industry digitalisation and Internet of Things take-off;

Or. en

Amendment 209

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 11

Motion for a resolution

11. Highlights the role that public procurement can play in advancing new industrial digital innovations and technology; *asks the Commission to include a digital check in its REFIT Programme;*

Amendment

11. Highlights the role that public procurement can play in advancing new industrial digital innovations and technology; *stresses, however, that digitalization of public services must not be used to advance austerity measures in the public sector or to reduce necessary physical services; calls, in this respect, for the involvement of workers in the public sector in the definition and implementation of public digital strategies;*

Or. en

Amendment 210

Kaja Kallas, Cora van Nieuwenhuizen

Motion for a resolution

Paragraph 11

Motion for a resolution

11. Highlights the role that public procurement can play in advancing new industrial digital innovations and technology; asks the Commission to include a digital check in its REFIT Programme;

Amendment

11. Highlights the role that public procurement can play in advancing new industrial digital innovations and technology; asks the Commission to include a digital check in its REFIT Programme ***and to facilitate exchange of best practices between public authorities on the use of the innovation criteria in public tenders and on the preparation of calls for tenders which leave room to tenderers to propose innovation solutions;***

Or. en

Amendment 211

Miroslav Poche

Motion for a resolution

Paragraph 11

Motion for a resolution

11. Highlights the role that public procurement can play in advancing new industrial digital innovations and technology; asks the Commission to include a digital check in its REFIT Programme;

Amendment

11. Highlights the role that public procurement can play in advancing new industrial digital innovations and technology; asks the Commission to include a digital check in its REFIT Programme; ***considers that there is a need to stimulate the emergence of innovation centres in all Member States, for example along the lines of ATLAS in Spain;***

Or. cs

Amendment 212

Notis Marias

Motion for a resolution

Paragraph 11

Motion for a resolution

Amendment

11. Highlights the role that public procurement *can* play in advancing new industrial digital innovations and technology; asks the Commission to include a digital check in its REFIT Programme;

11. Highlights the role that public procurement *must* play in advancing new industrial digital innovations and technology; asks the Commission to include a digital check in its REFIT Programme;

Or. el

Amendment 213
Patrizia Toia

Motion for a resolution
Paragraph 12

Motion for a resolution

12. Stresses the importance of financing the digitalisation of Europe's industry; expresses disappointment that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in digital projects;

Amendment

12. Stresses the importance of financing the digitalisation of Europe's industry; expresses disappointment that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in digital projects; *regrets furthermore that, despite its importance, the resources allocated to digital policies in the EU budget is too scarce to make a real impact; recognises the necessity to boost European economy through productive investments: the availability of existing European financial instruments, such as European Structural and Investment funds, Horizon2020 should ensure that this objective is achieved; the combination of these fund should be coherent with national resources and State Aid Regulations;*

Or. en

Amendment 214
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 12

Motion for a resolution

12. Stresses the importance of ***financing*** the digitalisation of Europe's industry; expresses disappointment that the European Fund for Strategic Investment (EFSI) ***has*** so far ***invested only 11 %*** in digital projects;

Amendment

12. Stresses the importance of ***public and private finance for*** the digitalisation of Europe's industry; expresses disappointment that the European Fund for Strategic Investment (EFSI) so far ***only invested 11%*** in digital projects; ***believes this must be significantly scaled up and public investments into digital infrastructure be dramatically increased;*** ***asks the EC to establish a Finance Roundtable for Industrial Digitalisation, to study and come up with innovative financing proposals;***

Or. en

Amendment 215

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 12

Motion for a resolution

12. Stresses the importance of financing the digitalisation of Europe's industry; ***expresses disappointment that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in digital projects;***

Amendment

12. Stresses the importance of financing the digitalisation of Europe's industry; ***calls for the strengthening of public investment in digital innovation and research;***

Or. en

Amendment 216

Massimiliano Salini, Aldo Patriciello

Motion for a resolution

Paragraph 12

Motion for a resolution

12. Stresses the importance of financing the digitalisation of Europe's industry; ***expresses disappointment that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in digital projects;***

Amendment

12. Stresses the importance of financing the digitalisation of Europe's industry, ***with a better use of the European Fund for Strategic Investment (EFSI) and the blending with the other existing financial instruments; recognise the role played by Public- Private- Partnership and the Joint Undertakings;***

Or. en

Amendment 217

Notis Marias

Motion for a resolution

Paragraph 12

Motion for a resolution

12. Stresses the importance of financing the digitalisation of Europe's industry; ***expresses disappointment*** that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in digital projects;

Amendment

12. Stresses the importance of financing the digitalisation of Europe's industry; ***deplores the fact*** that that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in digital projects;

Or. el

Amendment 218

Gunnar Hökmark

Motion for a resolution

Paragraph 12

Motion for a resolution

12. Stresses the importance of financing the digitalisation of Europe's industry; expresses disappointment that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in

Amendment

12. Stresses the importance of financing the digitalisation of Europe's industry; expresses disappointment that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in

digital projects;

digital projects; *underlines, on the other hand, that the primary investments in digitalization comes from private and collaborative platforms, which must be further supported through a competitive regulatory environment;*

Or. en

Amendment 219
Bernd Lange

Motion for a resolution
Paragraph 12

Motion for a resolution

12. Stresses the importance of financing the digitalisation of Europe's industry; expresses disappointment that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in digital projects;

Amendment

12. Stresses the importance of financing the digitalisation of Europe's industry; expresses disappointment that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in digital projects; *notes that the involvement of the European Structural Funds could support the coordination of the different initiatives in the area of digitalisation;*

Or. en

Amendment 220
José Blanco López

Motion for a resolution
Paragraph 12

Motion for a resolution

12. Stresses the importance of financing the digitalisation of Europe's industry; expresses disappointment that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in digital projects;

Amendment

12. Stresses the importance of financing the digitalisation of Europe's industry; expresses disappointment that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in digital projects; *considers that the EFSI should help SMEs to overcome capital*

shortages and target projects with a high risk profile;

Or. es

Amendment 221

Evžen Tošenovský, Hans-Olaf Henkel

Motion for a resolution

Paragraph 12

Motion for a resolution

12. Stresses the importance of financing the digitalisation of Europe's industry; expresses disappointment that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in digital projects;

Amendment

12. Stresses the importance of ***unlocking sufficient*** financing ***for*** the digitalisation of Europe's industry ***through Horizon 2020 and other European funds***; expresses disappointment that the European Fund for Strategic Investment (EFSI) has so far invested only 11 % in digital projects;

Or. en

Amendment 222

José Blanco López

Motion for a resolution

Paragraph 12 – subparagraph 1 (new)

Motion for a resolution

Takes the view that the mid-term review of the MFF and the implementation reports of EU programmes should be used as an opportunity to analyse the functioning of programmes and instruments for financing the digitisation of industry and lay the groundwork for the architecture of EU programmes in this area from 2020;

Or. es

Amendment 223
Patrizia Toia

Motion for a resolution
Paragraph 12 a (new)

Motion for a resolution

Amendment

12a. Calls for measures to promote the establishment of a more dynamic and innovative capital market which is better able to support start-ups and grow-ups, not least on the basis of guarantee instruments backed by the Member States or the European Union;

Or. it

Amendment 224
Patrizia Toia

Motion for a resolution
Paragraph 12 a (new)

Motion for a resolution

Amendment

12a. Calls on Member States, in order to support an efficient industrial digitisation, to provide for fiscal incentives for business and enterprises realizing digital and smart production system;

Or. en

Amendment 225
Massimiliano Salini, Aldo Patriciello

Motion for a resolution
Paragraph 12 a (new)

Motion for a resolution

Amendment

12a. Stresses the role of R&D investments and the importance of the

technological transfer to the market;

Or. en

Amendment 226
Patrizia Toia

Motion for a resolution
Paragraph 12 b (new)

Motion for a resolution

Amendment

12b. Calls on the Commission and the Member States to establish and promote a framework to coordinate vocational training and the development of the skills required through regional and national programmes; calls, with that aim in view, for training of this kind to be included among the priorities of the European Social Fund in the next programming period;

Or. it

Amendment 227
Patrizia Toia

Motion for a resolution
Paragraph 12 b (new)

Motion for a resolution

Amendment

12b. Recognises that digital policy is also one of the elements supporting and advancing integration of products and services, with increasingly integrated services elements throughout the industrial value chains;

Or. en

Amendment 228
Bernd Lange

Motion for a resolution
Subheading 3

Motion for a resolution

Securing European technology leadership and security in industrial digitalisation: mergers and acquisitions (M&A), cybersecurity, data sovereignty, *standardisation*

Amendment

Securing European technology leadership and security in industrial digitalisation: mergers and acquisitions (M&A), cybersecurity, data sovereignty, *standardization, liability*

Or. en

Amendment 229
Kaja Kallas, Cora van Nieuwenhuizen

Motion for a resolution
Subheading 3

Motion for a resolution

Securing European technology leadership and security in industrial digitalisation: mergers and acquisitions (M&A), cybersecurity, data *sovereignty*, standardisation

Amendment

Securing European technology leadership and security in industrial digitalisation: mergers and acquisitions (M&A), cybersecurity, data *flows*, standardisation

Or. en

Amendment 230
Barbara Kappel

Motion for a resolution
Paragraph 13

Motion for a resolution

13. Asks the Commission to enforce minimum thresholds for EU-based research and development (R&D) of companies applying for research funding;

Amendment

deleted

Amendment 231
Massimiliano Salini, Aldo Patriciello

Motion for a resolution
Paragraph 13

Motion for a resolution

Amendment

13. Asks the Commission to enforce minimum thresholds for EU-based research and development (R&D) of companies applying for research funding;

deleted

Amendment 232
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 13

Motion for a resolution

Amendment

13. Asks the Commission to enforce minimum thresholds for EU-based research and development (R&D) of companies applying for research funding;

13. Recognises the imperative role of strengthening research and development (R&D); calls on the EC to support in-house as well as external R&D efforts and fostering innovation networks and cooperation between start-ups, established corporate players, SMEs, universities, etc. in a digital ecosystem; asks the EC to study how minimum thresholds for EU-based research and development (R&D) of companies applying for research funding could be enforced, and to maximise Horizon 2020 research results transfer to market and exploitation by European companies; requests the EC to increase and report on the rate of Horizon 2020 research projects generating patents and IPR;

Amendment 233
José Blanco López

Motion for a resolution
Paragraph 13

Motion for a resolution

13. Asks the Commission to **enforce** minimum thresholds for EU-based research and development (R&D) of companies applying for research funding;

Amendment

13. Asks the Commission to **study the impact of enforcing** minimum thresholds for EU-based research and development (R&D) of companies applying for research funding;

Or. es

Amendment 234
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 14

Motion for a resolution

14. Highlights the **fact** that external foreign direct investment (FDI) has **shown a growing interest** in acquiring sensitive European technologies via M&A; **calls on the Commission** to study the CFIUS (Committee on Foreign Investment in the United States) experience in order to learn from it;

Amendment

14. **Emphasises the importance of safeguarding sensitive European technologies and know-how which form the basis of future industrial strength and economic resilience;** highlights the **potential risks in regard to strategic state and industrial-policy driven foreign direct investments, particularly by state-owned enterprises through mergers and acquisitions;** **highlights** that external Foreign Direct Investment (FDI) has **been increasingly interested** in acquiring sensitive European technologies via M&A; **requests the EC** to study the CFIUS (**The** Committee on Foreign Investment in the United States) experience in order to learn from it; **calls on the EC to consider the proposal by the German Ministry of**

Economy to allow EU Member States to get involved in a merger and acquisition if it would affect a key European technology that is of crucial value for future industrial development;

Or. en

Amendment 235
Massimiliano Salini, Aldo Patriciello

Motion for a resolution
Paragraph 14

Motion for a resolution

14. Highlights the fact that external foreign direct investment (FDI) has shown a growing interest in acquiring sensitive European technologies via M&A; calls on the Commission to study *the CFIUS (Committee on Foreign Investment in the United States) experience* in order to learn from it;

Amendment

14. Highlights the fact that *some* external foreign direct investment (FDI) has shown a growing interest in acquiring sensitive European technologies via M&A; calls on the Commission to study *already existing experiences* in order to learn from it;

Or. en

Amendment 236
Bernd Lange

Motion for a resolution
Paragraph 14

Motion for a resolution

14. Highlights the fact that external foreign direct investment (FDI) has shown a growing interest in acquiring sensitive European technologies via M&A; calls on the Commission to study the CFIUS (Committee on Foreign Investment in the United States) experience in order to learn from it;

Amendment

14. Highlights the fact that external foreign direct investment (FDI) has shown a growing interest in acquiring sensitive European technologies via M&A; calls on the Commission to study the CFIUS (Committee on Foreign Investment in the United States) experience in order to learn from it; *underlines that equal market access for investment must be reached by*

establishing global rules without any protectionist measures;

Or. en

Amendment 237

Barbara Kappel

Motion for a resolution

Paragraph 14

Motion for a resolution

14. Highlights the fact that external foreign direct investment (FDI) has shown a growing interest in acquiring sensitive European technologies via M&A; calls on the Commission to study the CFIUS (Committee on Foreign Investment in the United States) experience in order to learn from it;

Amendment

14. Highlights the fact that external foreign direct investment (FDI) has shown a growing interest in acquiring sensitive European technologies via M&A; calls on the Commission to study the CFIUS (Committee on Foreign Investment in the United States) experience in order to learn from it *and develop appropriate measures;*

Or. de

Amendment 238

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 14 a (new)

Motion for a resolution

Amendment

14a. Stresses that developments in regard to automation, robotics, the application of artificial intelligence in production as well as the deep integration of technical components of different origin is opening up new questions as regards security, safety and liability for products and production facilities;

Or. en

Amendment 239

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 15

Motion for a resolution

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial **and cybersecurity as a core sector for European digitalisation efforts**; believes that producers are responsible for **ensuring** safety and security standards **on the basis of** the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards **must** strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play **in this respect**;

Amendment

15. **Recognises that openness and connectivity also has potential effects on vulnerability as regards to cyber attacks, sabotage, manipulation of data or industrial espionage and underlines in this context**, the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as **a crucial responsibility for business leaders and national and European industrial and security policy makers**; believes that producers are **essentially** responsible for **assuring** safety and security standards **according to** the available state of the art technology **but that under certain conditions and criteria this producer responsibility can be deviated from**; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards, **for example based on the reference architecture RAMI4.0 and ICS, would** strengthen European cyber-resilience; believes that **the** European standardisation bodies have a special role to play **there and should not be side-lined through public-private partnerships; stresses the need for a common European cybersecurity approach rather than national piece-meal legislation; asks the EC to study different models to advance cybersecurity for IoT be it via baseline requirements, sector-specific requirements, critical infrastructure requirements, labels, including certification, or other approaches; asks public institutions, however, to make cybersecurity requirements mandatory for**

public procurement with regards to IT equipment and IoT products; considers that cybersecurity checks and advice offered to SMEs for their digitalised industrial products is of great importance; believes that best-practice sharing between EU Member States could facilitate European cyber resilience in that regard;

Or. en

Amendment 240
Patrizia Toia

Motion for a resolution
Paragraph 15

Motion for a resolution

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes *that* producers are responsible for *ensuring* safety and security standards *on the basis of* the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards must strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play *in this respect*;

Amendment

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; *recognises the need to raise awareness, especially for SMEs, on enhancing cybersecurity; underlines the need to establish fora for exchange of information at EU and global level;* considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes producers are responsible for *assuring* safety and security standards *according to* the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and *that* IT security standards must strengthen European cyber-resilience; believes that *the* European standardisation bodies have a special role to play *there to prevent discrimination and illegal uses*;

Or. en

Amendment 241

Bernd Lange

Motion for a resolution

Paragraph 15

Motion for a resolution

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes that producers are responsible for ensuring safety and security standards on the basis of the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards must strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect;

Amendment

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; ***stresses that today a big part of economic activity in the EU is linked to infringement intensive industries (e.g. copyrights, patents, licenses) and needs to be protected***; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes that producers are responsible for ensuring safety and security standards on the basis of the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards must strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect;

Or. en

Amendment 242

Notis Marias

Motion for a resolution

Paragraph 15

Motion for a resolution

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes that producers are responsible for ensuring safety and security standards on the basis of the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security

Amendment

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; ***stresses that priority must in any case be given to the protection of personal and sensitive data***; believes that producers are responsible for ensuring safety and security standards on the basis of the available state

standards must strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect;

of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards must strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect;

Or. el

Amendment 243
András Gyürk

Motion for a resolution
Paragraph 15

Motion for a resolution

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes that producers are responsible for ensuring safety and security standards on the basis of the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards must strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect;

Amendment

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes that producers are responsible for ensuring ***future proof*** safety and security standards on the basis of the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards must strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect ***and in balancing the need for high security standards and the need for innovation***;

Or. en

Amendment 244
Jean-Luc Schaffhauser, Dominique Bilde

Motion for a resolution
Paragraph 15

Motion for a resolution

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes that producers are responsible for ensuring safety and security standards on the basis of the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards must strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect;

Amendment

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes that producers are responsible for ensuring safety and security standards on the basis of the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards must strengthen European cyber-resilience; believes that European standardisation bodies, ***in synergy with national agencies for information systems security***, have a special role to play in this respect;

Or. fr

Amendment 245
José Blanco López

Motion for a resolution
Paragraph 15

Motion for a resolution

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes that producers are responsible for ensuring safety and security standards on the basis of the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards must strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect;

Amendment

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes that producers are responsible for ensuring safety and security standards on the basis of the available state of the art technology ***and the principles of secure by design and secure by default***; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards must strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect;

Amendment 246

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution**Paragraph 15***Motion for a resolution*

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes that producers are responsible for ensuring safety and security standards on the basis of the available state of the art technology; **notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards *must* strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect;**

Amendment

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core sector for European digitalisation efforts; believes that producers are responsible for ensuring safety and security standards on the basis of the available state of the art technology; **expresses concern and the lack of cybersecurity in the current Internet of Things (IoT) and calls for the development of IT security standards *that* strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect;**

Amendment 247

Cora van Nieuwenhuizen, Pavel Telička, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Carolina Punset

Motion for a resolution**Paragraph 15***Motion for a resolution*

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core **sector for European digitalisation efforts**; believes that producers are responsible for ensuring safety and security standards on

Amendment

15. Underlines the role of cybersecurity within the digitalisation of Europe's industry; considers cyber-resilience as crucial and cybersecurity as a core **design parameter in all digital innovations**; believes that producers are responsible for ensuring safety and security standards on

the basis of the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards must strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect;

the basis of the available state of the art technology; notes that cybersecurity requirements for the Internet of Things (IoT) and IT security standards must strengthen European cyber-resilience; believes that European standardisation bodies have a special role to play in this respect;

Or. en

Amendment 248

Barbara Kappel

Motion for a resolution

Paragraph 15 – point 1 (new)

Motion for a resolution

Amendment

(1) Points up the fact that reliable data protection and maximum network security are key requirements to be met by modern electronic communications; states that both must be part of inclusive digitisation, which has huge potential in the areas of education and training and innovative business opportunities, in particular for SMEs, and in general facilitates a new dimension of social interaction;

Or. de

Amendment 249

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 15 a (new)

Motion for a resolution

Amendment

15a. Notes that further development of the European digital society can only be

sustainably achieved by further enhancement of network and information security (NIS) practices and policies at the pan European level; recognises the work of the EU Agency of the Network and Information security (ENISA) to facilitate this;

Or. en

Amendment 250
Bernd Lange

Motion for a resolution
Paragraph 15 a (new)

Motion for a resolution

Amendment

15a. Stresses that in order to provide legal certainty and an appropriate framework of rules regarding emerging technologies such as the IoT and autonomous connected systems, the assessing, clarifying and strengthening of liability rules are necessary;

Or. en

Amendment 251
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 15 b (new)

Motion for a resolution

Amendment

15b. Calls for a European monitoring mechanism and definition of critical infrastructure and highlights the role that products of digitalised industries (Internet of Things) play in that regard; based on the understanding that cyber attacks on digitalised industries can have effects that

go beyond the core business activity of the respective company but can affect the public good or public safety, that mechanism should define and safeguard high security standards as well as compliance; asks the commission to study member state legislation in that regard with the aim of proposing a European solution; welcomes the NIS directive in that regard;

Or. en

Amendment 252
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 16

Motion for a resolution

16. Believes that there should be common criteria for critical infrastructure and *the digital* security *thereof*;

Amendment

16. Believes that there should be common criteria for critical infrastructure and *their digital security and that the European Union Directive on security of network and information systems (NIS Directive) is the first step towards achieving a high common level of security network and information systems within the Union; stresses the need strengthen the role the governing bodies in the NIS Directive have in establishing trust in future technologies; notes that cyber threat monitoring mechanisms and horizon scanning should be recognised as important for the security of the EU digital industries;*

Or. en

Amendment 253
José Blanco López

Motion for a resolution
Paragraph 16

Motion for a resolution

16. Believes that there should be common criteria for critical infrastructure and the digital security thereof;

Amendment

16. Believes that there should be common criteria for critical infrastructure and the digital security thereof; ***calls, therefore, on the Commission to ensure consistent implementation of the Directive on Network and Information Security, to look into the need for, and propose if required, new initiatives to strengthen our defences against cyber-attacks, with special emphasis on protecting SMEs;***

Or. es

Amendment 254
Kaja Kallas, Cora van Nieuwenhuizen

Motion for a resolution
Paragraph 16

Motion for a resolution

16. Believes that there should be ***common criteria*** for critical infrastructure ***and the digital security thereof;***

Amendment

16. Believes that there should be ***high standards of network and information security*** for critical infrastructure ***across Europe; calls therefore on Member States to timely and consistently transpose the "NIS Directive";***

Or. en

Amendment 255
Jean-Luc Schaffhauser, Dominique Bilde

Motion for a resolution
Paragraph 16

Motion for a resolution

16. Believes that ***there*** should be ***common criteria*** for critical infrastructure

Amendment

16. Believes that ***financial and technical support*** should be ***provided to***

and the digital security thereof;

Member States for *the protection of critical infrastructure and the digital security thereof*;

Or. fr

Amendment 256
Miroslav Poche

Motion for a resolution
Paragraph 16 a (new)

Motion for a resolution

Amendment

16a. *Stresses the importance of the European Cloud Initiative, which will boost Europe's innovation capacity in all areas and reinforce its digital technology capability from high end computing down to low power components;*

Or. cs

Amendment 257
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 17

Motion for a resolution

Amendment

17. *Stresses the need for monitoring of data sovereignty; believes that industrial data protection and data ownership, especially b2b, require special attention; notes that open data and open standards can promote new technologies;*

17. *Stresses that specific attention has to be paid to questions of collecting and accessing industrial or production-related data and information. Underlines that in this regard particular emphasis has to be put on the principles of data sovereignty, open and standardised access and availability of data, on strengthening innovation and productivity, new services and business-models, security auditability while allowing for fair competition. Innovation as well as the privacy*

concerns of workers and consumers has to be protected and safeguarded, questions of informational self-determination be addressed. Stresses in addition that disclosure and access to information for public interest and scientific purposes should be furthered. Takes note of the EC proposal for a data economy in this regard to promote a common European data market. Considers that in the ongoing debate on the data regime, two essential aspects must be underlined: fostering the development of technical solutions for reliable identification and exchange of data, default contract rules coupled with introducing an unfairness control in B2B contractual relationships;

Or. en

Amendment 258
Kaja Kallas, Cora van Nieuwenhuizen

Motion for a resolution
Paragraph 17

Motion for a resolution

17. Stresses the need *for monitoring* of data *sovereignty*; believes that industrial data protection and data ownership, especially b2b, require special attention; notes that open data and open standards can promote new technologies;

Amendment

17. Stresses the need *to ensure the free movement* of data, *in compliance ,as far as personal data is concerned ,with the General data protection regulation, as real time data flows in a borderless environment are key to the flexibility of the cloud and the take up of digital solutions* ; believes that industrial data protection and data ownership, especially b2b, require special attention; notes that open data and open standards can promote new technologies;

Or. en

Amendment 259
Patrizia Toia

Motion for a resolution
Paragraph 17

Motion for a resolution

17. ***Stresses the need for monitoring of data sovereignty***; believes that industrial data protection ***and*** data ownership, especially b2b, ***require*** special attention; notes ***that*** open data and open standards can promote new technologies;

Amendment

17. Believes that industrial data protection, data ownership, especially b2b, ***requires*** special attention; notes ***how*** open data and open standards ***that could be developed through a public-private cooperation*** can promote ***and facilitate enterprises 'access to*** new technologies;

Or. en

Amendment 260
Martina Werner, Theresa Griffin

Motion for a resolution
Paragraph 17

Motion for a resolution

17. Stresses the need for monitoring of data sovereignty; believes that industrial data protection and data ownership, especially b2b, require special attention; notes that open data and open standards can promote new technologies;

Amendment

17. Stresses the need for monitoring of data sovereignty; believes that industrial data protection and data ownership, especially b2b, require special attention; ***stresses, however, that new regulation on questions of data ownership and access to data needs to be addressed very carefully and may only follow an extensive consultation with all relevant stakeholders as there is still a clear lack of evidence on the need for new regulation***; notes that open data and open standards can promote new technologies;

Or. en

Amendment 261
Bernd Lange

Motion for a resolution
Paragraph 17

Motion for a resolution

17. Stresses the need for monitoring of data sovereignty; believes that industrial data protection and data ownership, especially b2b, require special attention; notes that open data and open standards can promote new technologies;

Amendment

17. Stresses the need for **clear ownership and** monitoring of data sovereignty; believes that industrial data protection and data ownership, especially b2b, **play a crucial role and** require special attention; notes that open data and open standards can promote new technologies; **highlights that SMEs are in the need of an neutral approach concerning digital platforms and a free access to an European Data Cloud;**

Or. en

Amendment 262
Massimiliano Salini, Aldo Patriciello

Motion for a resolution
Paragraph 17

Motion for a resolution

17. Stresses the need for monitoring of data sovereignty; believes that industrial data protection and data ownership, especially b2b, require special attention; notes that open data and open standards can promote new technologies;

Amendment

17. Stresses the need for monitoring of data sovereignty; believes that industrial data protection and data ownership, especially b2b, require special attention; notes that open data and open standards, **developed through a bottom-up approach and the public-private cooperation,** can promote new technologies;

Or. en

Amendment 263
Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 17

Motion for a resolution

17. Stresses the need for monitoring of data sovereignty; believes that industrial data protection and data ownership, especially b2b, require special attention; notes that open data and open standards can promote new technologies;

Amendment

17. Stresses the need for monitoring of data sovereignty; believes that industrial data protection and data ownership, especially b2b, require special attention; notes that open data and open standards can promote new technologies ***and calls for EU-financed projects to ensure them;***

Or. en

Amendment 264

Jean-Luc Schaffhauser, Dominique Bilde

Motion for a resolution

Paragraph 17

Motion for a resolution

17. Stresses the need for monitoring of data sovereignty; believes that industrial data ***protection*** and data ownership, especially b2b, require special attention; notes that open data and open standards can promote new technologies;

Amendment

17. Stresses the need for monitoring of data sovereignty; believes that ***the protection of industrial data, particularly strategic industrial data,*** and data ownership, especially b2b, require special attention; notes that open data and open standards can promote new technologies;

Or. fr

Amendment 265

Cora van Nieuwenhuizen, Angelika Mlinar, Lieve Wierinck, Pavel Telička, Carolina Punset

Motion for a resolution

Paragraph 17

Motion for a resolution

17. Stresses the need for monitoring of data sovereignty; believes that industrial data protection and data ownership, especially b2b, require special attention;

Amendment

17. Stresses the need for monitoring of data sovereignty; believes that industrial data protection and data ownership, especially b2b, require special attention;

notes that open data and open standards can promote new technologies;

notes that open data and open standards can promote new technologies *as well as new applications*;

Or. en

Amendment 266
Angelo Ciocca, Lorenzo Fontana

Motion for a resolution
Paragraph 17

Motion for a resolution

17. Stresses the need *for monitoring of* data sovereignty; believes that industrial data protection and data ownership, especially b2b, require special attention; notes that open data and open standards can promote new technologies;

Amendment

17. Stresses the need *to safeguard* data sovereignty; believes that industrial data protection and data ownership, especially b2b, require special attention; notes that open data and open standards can promote new technologies;

Or. it

Amendment 267
Patrizia Toia

Motion for a resolution
Paragraph 17 a (new)

Motion for a resolution

17a. Underlines the need of a bottom-up approach to digital standardisation; stresses that digitalisation needs open standards, accessible to SMEs, and based on a broad consensus between stakeholders, for this reason asks the Commission and Member States to promote data exchange and best practices on standards' definition and to support a coordination in the EU and at international level;

Amendment

Or. en

Amendment 268
José Blanco López

Motion for a resolution
Paragraph 17 a (new)

Motion for a resolution

Amendment

17a. Takes the view that the European Cloud Initiative, and the measures to promote the free flow of data within the EU, can help remove existing barriers to the digitalisation of industrial processes, particularly for SMEs and start-ups;

Or. es

Amendment 269
András Gyürk

Motion for a resolution
Paragraph 18

Motion for a resolution

Amendment

18. Recognises the potential of digitising industry for the purpose of sectoral data retrieval and of governance by public and semi-public authorities and market participants;

deleted

Or. en

Amendment 270
Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution
Paragraph 18

Motion for a resolution

Amendment

18. Recognises the potential of

18. Recognises the potential of

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digitising industry for the purpose of sectoral data retrieval **and of governance by public and semi-public authorities and market participants**;

digitising industry for the purpose of sectoral data retrieval, **but calls for strong public regulation ensuring data safety and privacy**;

Or. en

Amendment 271

Evžen Tošenovský, Hans-Olaf Henkel

Motion for a resolution

Paragraph 19

Motion for a resolution

19. Underlines the role of integrating openness of architecture as a design principle of digital components;

Amendment

deleted

Or. en

Amendment 272

Patrizia Toia

Motion for a resolution

Paragraph 19

Motion for a resolution

19. Underlines the role of integrating openness of architecture as a design principle of digital components;

Amendment

19. Underlines the role of integrating openness of architecture as a design principle of digital components ***leveraging a digital ecosystem approach that allows to unlock industrial data access providing the governance framework for value creation, along the overall value chain, supporting the definition of industrial strategic vision to guarantee the progressive adoption and the on-boarding of relevant stakeholders and facilitating the creation of new models and new forms of interaction between companies, organizations, associations etc.***;

Amendment 273

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 20

Motion for a resolution

20. Recognises the importance of **protecting** technical know-how as regards the exchange and interlinkage of industrial-digital components while at the same time allowing and furthering connectivity;

Amendment

20. Recognises the importance of **sharing** technical know-how as regards the exchange and interlinkage of industrial-digital components while at the same time allowing and furthering connectivity;

Amendment 274

Jean-Luc Schaffhauser, Dominique Bilde

Motion for a resolution

Paragraph 20

Motion for a resolution

20. Recognises the importance of protecting technical know-how as regards the exchange and interlinkage of industrial-digital components while at the same time allowing and furthering connectivity;

Amendment

20. Recognises the importance of protecting technical know-how as regards the exchange and interlinkage of industrial-digital components **and the manufacturing of microprocessors in Europe**, while at the same time allowing and furthering **secure** connectivity;

Amendment 275

Kaja Kallas, Cora van Nieuwenhuizen

Motion for a resolution

Paragraph 20

Motion for a resolution

20. Recognises the importance of protecting technical know-how as regards the exchange and interlinkage of industrial-digital components while at the same time allowing and furthering connectivity;

Amendment

20. Recognises the importance of protecting technical know-how as regards the exchange and interlinkage of industrial-digital components while at the same time allowing and furthering ***interoperability and end-to-end*** connectivity ;

Or. en

Amendment 276

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 21

Motion for a resolution

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, ***including their inclusive approach***; calls on the ***Commission*** to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions; calls for an ***EU*** coordinated approach towards international fora and consortia such as the Industrial Internet Consortium (IIC);

Amendment

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy ***coordinated with EU Member States and the EC***; emphasises the important and unique make-up of Europe's standardisation bodies ***with its inclusive and consensus-based approach integrating societal stakeholders and particularly SMEs, which ensure the integration of SME, environmental and social aspects in the development of standards***; calls on the ***EC*** to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions; ***believes that the circular economy could be a major driver for a coherent standardisation of communication flows along industrial value chains***; calls for an ***EU-wide*** coordinated approach towards international fora and consortia such as the Industrial Internet Consortium (IIC), ***ITU and IoT Forum, noting that a coherent and non-contradictory standardisation field is***

essential; believes that it is desirable to aim for global and universal standards, but also underlines the willingness to proceed with European standards in case international cooperation in standardisation fora is proceeding unconstructively;

Or. en

Amendment 277

Hans-Olaf Henkel, Evžen Tošenovský

Motion for a resolution

Paragraph 21

Motion for a resolution

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions; *calls for an EU coordinated approach towards international fora and consortia such as the Industrial Internet Consortium (IIC);*

Amendment

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions *and to ensure that contributors of technology to standards obtain a fair return on investment to incentivize global R&D and innovation;*

Or. en

Amendment 278

Bernd Lange

Motion for a resolution

Paragraph 21

Motion for a resolution

Amendment

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions; calls for an EU coordinated approach towards international fora and consortia such as the Industrial Internet Consortium (IIC);

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; ***recognizes that digital standards are essential for the creation of the European digital single market; believes that only a strict standardization of data streams can ensure effective control; underlines that a lack of strong digital standards especially restrain potential SMEs activities***; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions; calls for an EU coordinated approach towards international fora and consortia such as the Industrial Internet Consortium (IIC);

Or. en

Amendment 279

Theresa Griffin, Jude Kirton-Darling, Martina Werner, Clare Moody

Motion for a resolution

Paragraph 21

Motion for a resolution

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions; calls for an EU coordinated approach

Amendment

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions ***and recognises that this is essential for***

towards international fora and consortia such as the Industrial Internet Consortium (IIC);

promoting innovation and research and development in the EU; calls for an EU coordinated approach *through the European Standards Organisations CEN, CENELEC and ETSI* towards international fora and consortia such as the Industrial Internet Consortium (IIC);

Or. en

Amendment 280

Cora van Nieuwenhuizen, Kaja Kallas, Angelika Mlinar, Lieve Wierinck, Pavel Telička, Carolina Punset

Motion for a resolution

Paragraph 21

Motion for a resolution

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions; calls for an EU coordinated approach towards international fora and consortia such as the Industrial Internet Consortium (IIC);

Amendment

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to, *and efficient licensing of*, standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions; *stresses that essential R&D contributions to standardisation will be safeguarded by maintaining a balanced standardisation framework*; calls for an EU coordinated approach towards international fora and consortia such as the Industrial Internet Consortium (IIC);

Or. en

Amendment 281

Ramon Tremosa i Balcells

Motion for a resolution
Paragraph 21

Motion for a resolution

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions; calls for an EU coordinated approach towards international fora and consortia such as the Industrial Internet Consortium (IIC);

Amendment

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions ***and to ensure that those who contribute to the standard obtain a fair return on investment to incentivize global R&D and innovation***; calls for an EU coordinated approach towards international fora and consortia such as the Industrial Internet Consortium (IIC);

Or. en

Amendment 282
José Blanco López

Motion for a resolution
Paragraph 21

Motion for a resolution

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions; calls for an EU coordinated approach

Amendment

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation ***and interoperability*** strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions;

towards international fora and consortia such as the Industrial Internet Consortium (IIC);

calls for an EU coordinated approach towards international fora and consortia such as the Industrial Internet Consortium (IIC);

Or. es

Amendment 283

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 21

Motion for a resolution

21. Stresses that European leadership in industrial digitalisation requires a strong standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions; calls for an EU coordinated approach towards international fora and consortia such as the Industrial Internet Consortium (IIC);

Amendment

21. Stresses that European leadership in industrial digitalisation requires a strong **and open** standardisation strategy; emphasises the important and unique make-up of Europe's standardisation bodies, including their inclusive approach; calls on the Commission to promote the development of open standards and welcomes its intention to guarantee access to standard essential patents under FRAND (fair, reasonable, non-discriminatory) conditions; calls for an EU coordinated approach towards international fora and consortia such as the Industrial Internet Consortium (IIC);

Or. en

Amendment 284

Bernd Lange

Motion for a resolution

Paragraph 21 a (new)

Motion for a resolution

Amendment

21a. Stresses that trade barriers in the field of digitalisation hinder international

activity of European industry and harm European competitiveness; believes that fair trade agreements between the EU and third countries can highly contribute to common international rules in the field of data protection, data flows, data use and standardization;

Or. en

Amendment 285
András Gyürk

Motion for a resolution
Paragraph 21 a (new)

Motion for a resolution

Amendment

21a. Stresses the need for detecting, in cooperation with players invited to play an active role, the key enablers and conditions that allow for a full exploitation of data produced by digitalised industries to maintain cognitive advantage of European businesses by building on Artificial Intelligence;

Or. en

Amendment 286
Angelo Ciocca, Lorenzo Fontana

Motion for a resolution
Subheading 4

Motion for a resolution

Amendment

The Social *dimension*: skills, education and social innovation

The social *pillar*: *work*, skills, education and social innovation

Or. it

Amendment 287

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 22

Motion for a resolution

22. **Highlights the fact** that the digital transformation of industry will have a **major** societal impact **on areas** ranging from employment, working conditions, workers' rights to education and skills; calls on the **Commission** to adequately study the social effects of industrial digitalisation;

Amendment

22. **Believes that great efforts with regard to education, training, life-long-learning, taxation and social security systems have to be undertaken in order to integrate the transformative effects into our European social and economic model; highlights** that the digital transformation of industry will have a **great** societal impact ranging from employment, working conditions, workers' rights to education and skills, **eHealth, environment and sustainable development; stresses the need to provide security within this change and bring people along in this transformation;** calls on the **EC** to adequately study the social effects of **an** industrial digitalisation; **believes that digitalization's impact and digital workers' rights must be included in the upcoming social rights pillar that the EC will put forth; stresses the need for studying the new forms of employment arrangements, ensuring that employment standards are not undermined, that job quality is maintained and that individualisation through digitalisation does not endanger collective bargaining; emphasizes that digitalization could also be used to advance worker engagement, for example through better trade union consultation rights; underlines that worker data must be protected and that digitalisation should not lead to a surveillance of worker data;**

Or. en

Amendment 288
Patrizia Toia

Motion for a resolution
Paragraph 22

Motion for a resolution

22. Highlights **the fact** that the digital transformation of industry will have a **major** societal impact **on areas** ranging from employment, working conditions, workers' rights to education and skills; calls on the **Commission** to adequately study the social effects of industrial digitalisation;

Amendment

22. Highlights that the digital transformation of industry will have a **great** societal impact ranging from employment, working conditions, workers' rights to education and skills; **stresses that if the digital transformation is not implemented in an inclusive manner, the digital divide could increase, which will not only lead to increased social exclusion and unemployment, but also to lowered competitiveness when EU companies are not able to find skilled workers who are able to work in the new digital economy;** calls on the **EC** to adequately study the social effects of **an** industrial digitalisation **and, as appropriate, propose further measures to close the digital divide and promote an inclusive digital society;**

Or. en

Amendment 289
Olle Ludvigsson

Motion for a resolution
Paragraph 22

Motion for a resolution

22. Highlights the fact that the digital transformation of industry will have a major societal impact on areas ranging from employment, working conditions, workers' rights to education and skills; calls on the Commission to adequately study the social effects of industrial digitalisation;

Amendment

22. Highlights the fact that the digital transformation of industry will have a major societal impact on areas ranging from employment, working conditions, workers' rights to education and skills; **underlines the importance of an inclusive transition towards good and fair digital work; demands that essential social rights, such as information and**

consultation rights, right to collective bargaining and safe and secure work environment, be maintained and reinforced in a digitally transformed industry; calls on the Commission to adequately study the social effects of industrial digitalisation;

Or. en

Amendment 290

Theresa Griffin, Jude Kirton-Darling, Martina Werner, Clare Moody

Motion for a resolution

Paragraph 22

Motion for a resolution

22. Highlights the fact that the digital transformation of industry will have a major societal impact on areas ranging from employment, working conditions, workers' rights to education and skills; calls on the Commission to adequately study the social effects of industrial digitalisation;

Amendment

22. Highlights the fact that the digital transformation of industry will have a major societal impact on areas ranging from employment, working conditions, workers' rights to education and skills; calls on the Commission to adequately study the social effects of industrial digitalisation; ***underlines that the digitisation of European industry should provide an opportunity to promote an improvement of working conditions and employment opportunities;***

Or. en

Amendment 291

José Blanco López

Motion for a resolution

Paragraph 22

Motion for a resolution

22. Highlights the fact that the digital transformation of industry ***will have*** a major societal impact on areas ranging

Amendment

22. Highlights the fact that the digital transformation of industry ***is having*** a major societal impact on areas ranging

from employment, working conditions, workers' rights to education and skills; ***calls on*** the Commission to adequately study the social effects of industrial digitalisation;

from employment, working conditions, workers' rights to education and skills, ***and that this impact will continue to grow; deplores the lack of attention paid by the Commission to the consequences of industrial digitalisation on employment and society; demands for*** the Commission to adequately study the social effects of industrial digitalisation;

Or. es

Amendment 292

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa, João Ferreira

Motion for a resolution

Paragraph 22

Motion for a resolution

22. Highlights the fact that the digital transformation of industry will have a major societal impact on areas ranging from employment, working conditions, workers' rights to education and skills; calls on the Commission to adequately study the social effects of industrial ***digitalisation***;

Amendment

22. Highlights the fact that the digital transformation of industry will have a major societal impact on areas ranging from employment, working conditions, workers' rights to education and skills; calls on the Commission ***and the Member States*** to adequately study the social effects of industrial ***digitalization in consultation with the social partners and to adapt social and labour legislation accordingly***;

Or. en

Amendment 293

Gunnar Hökmark

Motion for a resolution

Paragraph 22

Motion for a resolution

22. Highlights the fact that the digital transformation of industry will ***have a***

Amendment

22. Highlights the fact that the digital transformation of industry will

major societal impact on areas ranging from employment, working conditions, workers' rights to education and skills; **calls on** the Commission to adequately study the **social** effects of industrial digitalisation;

fundamentally transform areas ranging from employment, working conditions, workers' rights to education and skills; **encourages** the Commission to adequately study the **societal** effects of industrial digitalisation, **with a view to boosting European competitiveness and facilitating job growth through the support of new business models**;

Or. en

Amendment 294

Evžen Tošenovský, Hans-Olaf Henkel

Motion for a resolution

Paragraph 22

Motion for a resolution

22. Highlights the fact that the digital transformation of industry will have a major societal impact on areas ranging from employment, **working conditions, workers' rights** to education **and skills**; calls on the Commission to adequately **study** the social effects of industrial digitalisation;

Amendment

22. Highlights the fact that the digital transformation of industry will have a major societal impact on areas ranging from employment to education; calls on the Commission to adequately **assess and address** the social effects of industrial digitalisation;

Or. en

Amendment 295

Angelo Ciocca, Lorenzo Fontana

Motion for a resolution

Paragraph 22

Motion for a resolution

22. Highlights the fact that the digital transformation of industry will have a major societal impact on areas ranging from employment, working conditions, workers' rights to education and skills;

Amendment

22. Highlights the fact that the digital transformation of industry will have a major societal impact on areas ranging from employment, working conditions, workers' rights to education and skills;

calls on the Commission to *adequately study* the social effects of industrial digitalisation;

urges the Commission to *leave the Member States free to combat* the social effects of industrial digitalisation *as they see fit*;

Or. it

Amendment 296
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 22

Motion for a resolution

22. Highlights the fact that the digital transformation of industry will have a major societal impact on areas ranging from employment, working conditions, workers' rights to education and skills; calls on the Commission to adequately study the social effects of industrial digitalisation;

Amendment

22. Highlights the fact that the digital transformation of industry will have a major societal impact on areas ranging from employment, working conditions, workers' rights to education and skills; calls on the Commission to adequately study the social effects of industrial digitalisation; *highlights that the acceptance of the citizens is crucial for the success of digitalisation of industries*;

Or. en

Amendment 297
Martina Werner, Theresa Griffin, Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 22 a (new)

Motion for a resolution

22a. Highlights that besides the many positive aspects that digitalisation can have for society and economy it can also potentially increase the digital divide between larger players and SMEs, between urban and rural areas, between different member states, between different sectors and between employees who are

better able to adapt to a continuing digitalisation of industry and those who are not; asks the Commission to closely monitor such developments and to enter into a permanent dialogue with social partners and other relevant stakeholders on possible corrective measures;

Or. en

Amendment 298
José Blanco López

Motion for a resolution
Paragraph 22 a (new)

Motion for a resolution

Amendment

22a. Warns of the increasing impact of industrial digitalisation on the world of work, in redefining jobs, modes of organisation and contractual relations between workers and businesses; stresses the need to ensure full compliance with labour and social rights in the digital world of work; calls for enhanced social dialogue with a view to devising strategies to enable concerted responses to the challenges of digitisation;

Or. es

Amendment 299
Patrizia Toia

Motion for a resolution
Paragraph 22 a (new)

Motion for a resolution

Amendment

22a. Calls on the Member States to ensure that employment and social policies are fit for purpose for digital innovation, so that employment rights and

social welfare schemes are not undermined by new technology and can be maintained in the digital world of work; asks the Commission to identify and facilitate exchanges of best practices in the EU in these areas and at international level;

Or. en

Amendment 300
Henna Virkkunen

Motion for a resolution
Paragraph 23

Motion for a resolution

23. Stresses that *Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; calls on industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;*

Amendment

23. Stresses that *it is important to promote the digital skills of the working-age population by making further training available and providing opportunities for life-long learning; observes that, in enhancing basic skills, special attention should be devoted to people with low levels of educational attainment; observes that, in higher education, high-quality training must be provided for ICT professionals, while knowledge of robotisation in particular should be increased there;*

Or. fi

Amendment 301
Massimiliano Salini, Aldo Patriciello

Motion for a resolution
Paragraph 23

Motion for a resolution

23. Stresses that Europe faces a digital gap in terms of skills; *calls for the*

Amendment

23. Stresses that Europe faces a digital gap in terms of *digital* skills; *highlights the*

*implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; **calls on industry to grant employees a 'digital sabbatical'**; asks the Commission to launch a pan-European up-skilling initiative;*

*importance of an high level, future oriented, interdisciplinary, digital education and of the re-training, up-training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills, **in particular among unemployed people**; asks the Commission to launch a pan-European up-skilling initiative;*

Or. en

Amendment 302

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 23

Motion for a resolution

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; **calls on** industry to grant employees a 'digital sabbatical'; asks the **Commission** to launch a pan-European up-skilling initiative;

Amendment

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills **within these and a new trend towards "multi-skilling"**; **believes that employers should make use of the European Social Fund for such training; asks** industry to grant employees a "Digital Sabbatical"; asks the **EC** to launch a pan-European up-skilling initiative **and promote a digital toolbox for up-skilling in collaboration with industry and social partners; welcomes teaching material and sector-specific curricula; asks the EC to study options for establishing a certification system for continued education programmes for digital skills as well as creating an online platform where schools, institutes and other educational facilities can offer their digital education programmes;**

Amendment 303
Angelo Ciocca, Lorenzo Fontana

Motion for a resolution
Paragraph 23

Motion for a resolution

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training **and life-long-learning**; emphasises the importance of ensuring the promotion of digital skills; calls on industry to grant employees a ‘digital sabbatical’; asks the **Commission** to launch **a pan-European up-skilling initiative**;

Amendment

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; calls on industry to grant employees a ‘digital sabbatical’; asks the **Member States** to launch up-skilling **initiatives**;

Or. it

Amendment 304
Barbara Kappel

Motion for a resolution
Paragraph 23

Motion for a resolution

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; **calls on industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative**;

Amendment

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills;

Or. de

Amendment 305

Evžen Tošenovský, Hans-Olaf Henkel

Motion for a resolution

Paragraph 23

Motion for a resolution

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; ***calls on industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;***

Amendment

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills;

Or. en

Amendment 306

Kaja Kallas, Cora van Nieuwenhuizen

Motion for a resolution

Paragraph 23

Motion for a resolution

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; ***calls on industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;***

Amendment

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; asks the Commission to launch a pan-European up-skilling initiative;

Or. en

Amendment 307

Paloma López Bermejo, Neoklis Sylikiotis, Marisa Matias, Xabier Benito Ziluaga, Sofia Sakorafa

**Motion for a resolution
Paragraph 23**

Motion for a resolution

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; calls on industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;

Amendment

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee, ***after consultation and with participation of social partners***, and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion ***and recognition*** of digital skills; calls on industry to grant employees a ***paid*** ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;

Or. en

**Amendment 308
José Blanco López**

**Motion for a resolution
Paragraph 23**

Motion for a resolution

23. ***Stresses*** that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; calls on industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;

Amendment

23. ***Stresses that education and lifelong learning are the cornerstone of social cohesion in a digital society; stresses*** that Europe faces a digital gap in terms of ***territory and*** skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; calls on industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;

Or. es

Amendment 309
Olle Ludvigsson

Motion for a resolution
Paragraph 23

Motion for a resolution

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; calls on industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;

Amendment

23. Stresses *the importance of long-term anticipation of change for workers in the digital transformation of the industry and* that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; calls on industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;

Or. en

Amendment 310
Patrizia Toia

Motion for a resolution
Paragraph 23

Motion for a resolution

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; **calls on** industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;

Amendment

23. Stresses that Europe faces a digital gap in terms of skills; **underlines the need for this gap to be quickly filled**; calls for the implementation of a skills guarantee and the right to **continuous** (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; **asks** industry to grant employees a "Digital Sabbatical"; asks the Commission to launch a pan-European up-skilling initiative;

Amendment 311
Notis Marias

Motion for a resolution
Paragraph 23

Motion for a resolution

23. **Stresses** that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; calls on industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;

Amendment

23. **Deplores the fact** that Europe faces a digital gap in terms of skill **Stresses** that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; calls on industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;

Or. el

Amendment 312
Bernd Lange

Motion for a resolution
Paragraph 23

Motion for a resolution

23. Stresses that Europe faces a digital gap in terms of skills; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of ensuring the promotion of digital skills; calls on industry to grant employees a ‘digital sabbatical’; asks the Commission to launch a pan-European up-skilling initiative;

Amendment

23. Stresses that Europe faces a digital gap in terms of **education, skills and training; underlines that the understanding of skills requirements for new technologies in all sectors is needed in order to ensure a smooth transition to a smart economy; calls for sufficient training rights for workers, underlines that these trainings must not only include digital skills but also the strengthening of self-organisation abilities**; calls for the implementation of a skills guarantee and the right to (re-)training and life-long-learning; emphasises the importance of

ensuring the promotion of digital skills;
calls on industry to grant employees a
'digital sabbatical'; asks the Commission
to launch a pan-European up-skilling
initiative;

Or. en

Amendment 313

Bernd Lange

Motion for a resolution

Paragraph 23 a (new)

Motion for a resolution

Amendment

23a. Highlights that the European Social Fund can play an essential role for investments in the area of training, self-organisation, workers' participation, industry and industry linked services in order to address the fundamental social changes entailed by digitalisation;

Or. en

Amendment 314

Miapetra Kumpula-Natri

Motion for a resolution

Paragraph 23 a (new)

Motion for a resolution

Amendment

23a. Stresses that everyone should have basic digital skills, such as understanding of coding and algorithms, after the elementary school and these skills should be further developed during vocational education;

Or. en

Amendment 315

Reinhard Bütikofer

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 24

Motion for a resolution

24. Underlines that education must include digital skills and that **these** must be integrated into national education curricula;

Amendment

24. Underlines that education must include digital skills and that **this** must be integrated into national education curricula; **notes that examples of initiatives supported by ENISA such as the European Cyber Security Month and the European Cyber Security Challenge should be further developed in pursuit of this goal; emphasises the importance of specialised teacher training for digital skills and that digital skills must be taught to all children and be part of a mandatory curricula; calls on the EU Member States and the EC to ensure that all schools are equipped with Wifi; notes that coding also plays an important role; calls for the exchange of best-practice between EU Member States to learn from established practices such as the Fit4Coding programme, digital academy initiatives, e-learning programmes, or coding schools such as webforce3; asks the EC to promote the integration of digital skills testing in the IGCU/Pisa studies to allow for competition and comparison between the EU Member States; stresses that all EU Member States should develop comprehensive national digital skills strategies with targets, as they have been invited to do by the EC; expresses the important role that social partners and other stakeholders can play in the development and implementation of such strategies; notes that so far only half of the EU Member States have created national coalitions for digital jobs; stresses that a specific budget line supporting the activities of the Digital Skills and Jobs Coalition would**

strengthen the dissemination of information and further activities;

Or. en

Amendment 316
Patrizia Toia

Motion for a resolution
Paragraph 24

Motion for a resolution

24. Underlines that education must include digital skills and that *these* must be integrated into national education curricula;

Amendment

24. Underlines that education must include digital skills and that *this* must be integrated into national education curricula; *calls on Member States, in cooperation with the Commission, to identify interdisciplinary study programs aiming at integrating several competences, such as IT with business management or engineering and data sciences; highlights that training workers and jobseekers is essential to help them in developing technological know-how and improving their skills;*

Or. en

Amendment 317
José Blanco López

Motion for a resolution
Paragraph 24

Motion for a resolution

24. Underlines that education must include digital skills and that these must be integrated into national education curricula;

Amendment

24. Underlines that education must include digital skills and that these must be integrated into national education curricula; *stresses, in this regard, the need to orient school and university curricula towards enhancing skills related to IT and innovative capacity;*

Amendment 318

Martina Werner, Theresa Griffin, Miapetra Kumpula-Natri

Motion for a resolution

Paragraph 24

Motion for a resolution

24. Underlines that education must include digital skills and that these must be integrated into national education curricula;

Amendment

24. Underlines that education must include digital skills and that these must be integrated into national education curricula; *notes that a precondition for an improved digital education is an adapted teacher training and up to date IT equipment in educational establishments;*

Or. en

Amendment 319

Massimiliano Salini, Aldo Patriciello

Motion for a resolution

Paragraph 24

Motion for a resolution

24. Underlines that *education must* include digital skills and that these *must* be integrated into national education curricula;

Amendment

24. Underlines that *Member States should* include *mandatory* digital skills *in the educational plans* and that these *should* be integrated into national education curricula; *recalls the importance of the work- related learning, and of the young apprenticeship programmes;*

Or. en

Amendment 320

Henna Virkkunen

Motion for a resolution

Paragraph 24

Motion for a resolution

24. Underlines that education must include digital skills and that these must be integrated into national education curricula;

Amendment

24. Underlines that education must include digital skills and that these must be integrated into national education curricula, ***an approach which should start in the early years of schooling and continue into vocational training and higher education;***

Or. fi

Amendment 321

Jean-Luc Schaffhauser, Dominique Bilde

Motion for a resolution

Paragraph 24

Motion for a resolution

24. Underlines that education must include digital skills and that these must be integrated into national education curricula;

Amendment

24. Underlines that education must include digital skills, ***particularly programming,*** and that these must be integrated into national education curricula;

Or. fr

Amendment 322

Nadine Morano

Motion for a resolution

Paragraph 24

Motion for a resolution

24. Underlines that education must include digital skills and that these must be integrated into national education curricula;

Amendment

24. Underlines that education must include digital skills and that these must be integrated into national education curricula ***from primary school on;***

Or. fr

Amendment 323

Evžen Tošenovský, Hans-Olaf Henkel

Motion for a resolution
Paragraph 24

Motion for a resolution

24. Underlines that education must include digital skills and ***that these must be integrated into*** national education curricula;

Amendment

24. Underlines that education must include digital skills and ***encourages member states to promote this in their*** national education curricula;

Or. en

Amendment 324
Miroslav Poche

Motion for a resolution
Paragraph 24 a (new)

Motion for a resolution

24a. Stresses the importance of multidisciplinary and digital skills and the need for action to be taken to meet the demand for skilled ICT workers;

Or. cs

Amendment 325
Reinhard Bütikofer
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 25

Motion for a resolution

25. Emphasises the importance of investing in the digitalisation of vocational training and the skilled crafts sector; ***stresses*** that digital skills also need to be combined with engineering skills and the promotion of science, technology, engineering and mathematics (STEM) education;

Amendment

25. Emphasises the importance of investing in the digitalisation of vocational training and the skilled crafts sector; ***highlights*** that digital skills also need to be combined with engineering skills and the promotion of Science, Technology, Engineering and Mathematics (STEM) education ***as well as the promotion of soft skills such as communications, team***

coordination, cross-sectoral thinking;

Or. en

Amendment 326

Bernd Lange

Motion for a resolution

Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. Given the important changes to the working environment due to digitalisation, it is crucial to involve European workers and their representatives in the process in time to ensure that the social dimension of these changes is adequately taken into account; empathises that information and consultation rights of workers' representation are essential to find solutions and to address upcoming social challenges, stresses, that thanks to co-determination opportunities and challenges of the digitalisation could be anticipated and handled in a positive manner for European workers; highlights that for this purpose the European Work Council Directive (2009/38/EC) and the directive establishing a general framework for informing and consulting employees in the European Community (2002/14/EG) should be modified in order to incorporate the field of digital transformation of the European industry;

Or. en

Amendment 327

Martina Werner, Miapetra Kumpula-Natri

Motion for a resolution

Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. Is concerned that not all employees will have the ability to adapt to the new requirements of a digital work environment and not all employers, namely SMEs, will have the resources to invest sufficiently in the digital training of their staff; asks the Member States to make appropriations from all possible funds to provide financial support and assistance to employees and small and medium-sized companies; Calls on the Commission and Member States to increase the budget of the ESF in support of digital skills development and to work on other funding instruments supporting Member States in their policies of professional requalification of workers;

Or. en

Amendment 328
Angelo Ciocca, Lorenzo Fontana

Motion for a resolution
Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. Is aware of the fact that it is unrealistic to suppose that all types of jobs which have been lost or rendered obsolete can be converted with no loss of overall employment; regards it as essential, however, to combine the emphasis on education and vocational training with a radical paradigm change in the area of economic and monetary policy which enables the Member States to offer incentives for the relocalisation of production and to implement appropriate welfare support and public investment policies, in an effort to ensure that the market offers persons who have lost or

wish to change their job new opportunities;

Or. it

Amendment 329

Olle Ludvigsson

Motion for a resolution

Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. Demands that the gender perspective is incorporated in all digital initiatives, ensuring that the ongoing digital transformation also becomes a driving force for gender equality; emphasises the need to address the severe gender gap within the ICT sector, which is essential for Europe's long-term growth and prosperity;

Or. en

Amendment 330

Bernd Lange

Motion for a resolution

Paragraph 25 b (new)

Motion for a resolution

Amendment

25b. Underlines that digitalisation fosters flexibility, mobility and accessibility of workers; empathizes the need to ensure that safety and health in the new work environment are secured and that negative effects on the workers' work-life-balance are avoided;

Or. en

Amendment 331

Jean-Luc Schaffhauser, Dominique Bilde

Motion for a resolution

Paragraph 26

Motion for a resolution

26. Recommends the establishment of a bi-annual progress review and recommendations on the digitalisation of industry;

Amendment

26. Recommends the establishment of a bi-annual progress review and recommendations on the digitalisation of industry; ***requests that this review be submitted to the ITRE Committee;***

Or. fr

Amendment 332

Bernd Lange

Motion for a resolution

Paragraph 26

Motion for a resolution

26. Recommends the establishment of a bi-annual progress review and recommendations on the digitalisation of industry;

Amendment

26. Recommends the establishment of a ***regular exchange of best practices***, a bi-annual progress review and recommendations on the digitalisation of industry;

Or. en