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#### OUTCOME OF PROCEEDINGS

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From: General Secretariat of the Council  
On: 12 December 2017  
To: Delegations

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Subject: Action Plan for implementation of the Council Conclusions on the Joint Communication to the European Parliament and the Council: Resilience, Deterrence and Defence: Building strong cybersecurity for the EU  
- Action Plan (12 December 2017)

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Delegations will find in the annex the Action Plan for the implementation of the Council Conclusions on the Joint Communication to the European Parliament and the Council: Resilience, Deterrence and Defence: Building strong cybersecurity for the EU, adopted by the General Affairs Council on 12 December 2017.

The present Action Plan for implementation of the Council Conclusions on "Joint Communication to the European Parliament and the Council: Resilience, Deterrence and Defence: Building strong cybersecurity for the EU" is a strategic-level document resulting of the tasking by the European Council of 19 October 2017 and the Council of 24 October 2017. As indicated within those Council Conclusions of 20 November 2017, the Action Plan is a living document and as such will be regularly reviewed and updated by the Council. It is envisaged as a tool for horizontal oversight and strategic follow-up of the implementation of the Council Conclusions and of the actions detailed below.

<b>Action<sup>1</sup></b>	<b>Lead / primarily responsible</b>	<b>Stakeholders and/or other involved Parties</b>	<b>Deadline</b>	<b>Progress</b>	<b>Notes/Comments</b>
<b>Ensuring full and effective transposition and implementation of the NIS Directive</b>					
Transposition and implementation of the NIS Directive	Member States; European Commission		May 2018	Progress summarized by Commission and discussed within the Cooperation Group	
Ensuring effective strategic cooperation between the Member States within the Cooperation Group	Member States / Presidency of the Council	European Commission, ENISA		Progress summarised within the regular report of the Cooperation Group	Work of Cooperation Group elaborated in more detail within the biennial work programme of the Group

<sup>1</sup> Where relevant, implementation of actions takes into account the resources within the MFF.

Achieving a full operational capability of CSIRTs Network	Member States / Presidency of the Council	ENISA, European Commission		Progress achieved summarized within the regular report of the Network to the Cooperation Group	
<b>Enhancing EU level response to large-scale cyber incidents by conducting regular pan-European cybersecurity exercises</b>					
Conducting cyber diplomacy exercises on the usage of the Joint Diplomatic Framework against malicious cyber activities	EEAS	Member States, European Commission and ENISA		Successive Presidencies of the Council, discussions on exercising of the Framework have started during the EE Presidency	
Conducting regular CYBER EUROPE exercises	Presidency together with Member States	Member States, including the CSIRTs Network, ENISA, EEAS, European Commission			Frequency formulated in the tasking within the mandate of ENISA and during the discussions of the ENISA MB

Conducting regular strategic cybersecurity exercises in different Council formations	Presidency	supported by EEAS and/or European Commission		EU CYBRID 2017 conducted under the EE Presidency for FAC(D)	Regularity defined by Member States within the Council
<b>Adoption by co-legislators of the REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on ENISA, the "EU Cybersecurity Agency", and repealing Regulation (EU) 526/2013, and on Information and Communication Technology cybersecurity certification ("Cybersecurity Act")<sup>2</sup></b>					
Conducting in-depth discussions of the legislative proposal in HWP leading to a General Approach	BG Presidency		June 2018	Examination of the Proposal conducted by the EE Presidency	
Finalizing negotiations between the co-legislators	AT Presidency		December 2018		Indicative deadline

<sup>2</sup> Implementation takes place without prejudice to the competences of the European Parliament.

**Establishing the Network of Cybersecurity Competence Centres (NCCC) with a European Cybersecurity Research and Competence Centre**

<p>Delivering an impact assessment and budget forecast and relevant legal instruments for the establishment of the Network of Cybersecurity Competence Centres (NCCC) with a European Cybersecurity Research and Competence Centre</p>	<p>European Commission</p>	<p>Member States, EEAS, EDA</p>	<p>June 2018</p>		<p>Further steps upon the delivered instruments to be decided by Member States within the Council</p>
<p>Launching a pilot phase under Horizon 2020</p>	<p>European Commission</p>	<p>Member States, NIS Cooperation Group</p>	<p>end of 2018/early 2019</p>		

Developing a European capacity for evaluating the strength of cryptography used in products and services available for citizens, businesses and governments within the Digital Single Market	Member States		2019		
<b>Ensuring sufficient funding to support building cyber resilience and cybersecurity research and development efforts across the EU</b>					
Ensuring sufficient financing for cybersecurity while respecting the available resources	Member States, European Commission		2020		

Enhancing public sector contributions to build cyber resilience and strengthen cybersecurity research and development efforts	Member States		2020		
Incentivizing private sector investments to build cyber resilience and strengthen cybersecurity research and development efforts	European Commission	supported by ECSO	2018		
Increasing investments into cybersecurity applications of new technologies	European Commission, Member States	supported by ECSO	2020		

Examining a possible proposal for establishment of a Cybersecurity Emergency Response Fund	Council <sup>3</sup>				Any consideration takes place only if proposal presented by European Commission
Keep sufficient funding for cybersecurity efforts within exiting instruments and agreed programmes	Member States, European Commission	EIB	2020		

<sup>3</sup> Without prejudice to competences of the European Parliament as appropriate.



<b>Providing credible, trusted and coordinated cybersecurity services and their governance for the EU institutions</b>					
Clarifying and harmonising the cybersecurity governance of the EU Institutions, bodies and Agencies	Council, European Commission and EEAS	EU Institutions, bodies and Agencies	2020	Report should be presented to the HWP on Cyber issues on the governance and the progress made thereof	
Ensuring adequate resources and support for the development of CERT-EU	EU Institutions, bodies and Agencies		2020	CERT-EU regularly reports to HWP Cyber on cyber threats to its constituency. Resourcing of CERT-EU can be raised within the relevant HWP Cyber discussions	
<b>Increasing emphasis on cyber awareness, digital skills, education and training</b>					
Enhancing cyber-awareness campaigns in Member States	Member States	ENISA	2020		

Enhancing cybersecurity in the curricula of academic, educational and vocational training programmes	Member States	European Commission, ECSO	2020	Progress tracked by Member States and European Commission	
Establishing a network of education points of contact (POCs)	Member States	ENISA	2020		
Mainstreaming and enhancing cybersecurity traineeship programmes	Member States	European Commission, ECSO	2020		
Providing cybersecurity-related awareness in public administration that participate in critical societal or economic activities	Member States		2020	Cyber Hygiene pledge signed by six Member States, EEAS and EDA in May 2015	

**Strengthening the EU capacity to prevent, deter, detect and respond to malicious cyber activities**

Mainstreaming cybersecurity into existing crisis management mechanisms at the EU level	European Commission, Council	EEAS, EU Agencies	2018		
Adequately addressing cybersecurity incident response in the National Crisis Management mechanisms as well as provide necessary procedures for cooperation at EU level	Member States		2018		
Updating EU Cyber Defence Policy Framework	Member States, EEAS, EDA, European Commission		2018		
Encouraging cooperation between civilian and military cyber incident response communities	Member States				

Putting in place a cyber defence training and education platform	European Commission	EEAS, EDA, ESDC	end of 2018		
Taking full advantage of proposed defence initiatives to accelerate the development of cyber defence capabilities in EU	Member States	EEAS, EDA, European Commission			Cyber defence projects can be developed through PESCO, if deemed necessary by PESCO participating Member States. EDF can finance cyber projects if foreseen in the working programmes

<b>Strengthening the fight against crime in and removing obstacles to effective criminal justice in cyberspace</b>					
Developing a roadmap to countering the evolving criminality on the Dark Web	Europol	Member States	early 2018	Roadmap to be endorsed and implementation monitored by COSI	
Implementing practical measures proposed by Commission to tackle the challenge of encryption in the context of criminal proceedings while ensuring the respect of human rights and fundamental freedoms.	European Commission	Member States, Europol	ongoing	Progress monitored by CATS	

<p>Improving the capability of law enforcement and judicial authorities to investigate and prosecute crime</p>	<p>Member States</p>	<p>European Commission</p>	<p>Progress monitored by COSI, voluntary codes of conduct with Internet Access Providers to be proposed to limit the number of subscribers behind each IPv4 by deploying alternative technologies to Carrier-Grade NAT (Member States). European Commission to raise the issue of source port number logging with the Internet Content Providers in the EU Internet Forum.</p>	<p>Taking into account the recommendations of the GENVAL final report on the 7th round of mutual evaluation on fighting cybercrime</p>
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Incentivizing the private sector deployment of IPv6, e.g. through possible introduction of requirements in public procurements	Member States	European Commission	ongoing	Progress to be monitored by relevant Council preparatory bodies (HWP Cyber, COSI)	
Developing and endorsing an Emergency Response Protocol for a coordinated EU law enforcement response to large-scale cyber incidents.	Europol	Member States, European Commission, EEAS, Council	early 2018	The Protocol to be endorsed and implementation monitored by COSI	
Delivering a legislative proposal on facilitating the cross-border access to e-evidence by the law enforcement authorities	European Commission	Council, European Parliament	early 2018	Progress monitored by <b>CATS</b>	

<p>Presenting a progress report on the implementation of the practical measures for improving the cross-border access to electronic evidence (including cooperation between law enforcement authorities and private sector service providers)</p>	<p>European Commission</p>	<p>Member States</p>	<p>End of 2017</p>	<p>Progress monitored by CATS</p>	
<p>Creating a fully functional platform for the Members States to exchange securely European Investigation Order online forms and e-evidence.</p>	<p>European Commission</p>	<p>Member States</p>	<p>mid-2019</p>	<p>Progress monitored by CATS</p>	



**Strengthening international cooperation for an open, free, peaceful and secure global cyberspace**

Continuation of dialogue with international partners to influence global support for an open, free, peaceful and secure cyberspace	EEAS, Council, European Commission	Member States	Mid-2019	Progress monitored by HWP Cyber	
Developing an EU Cyber Capacity Building Network and EU Cyber Capacity Building Guidelines	EEAS, European Commission, with support from Member States				Possible cooperation with GFCE
Developing EU-NATO cooperation in training and education	EEAS, Council, EDA	Member States,			
Continuing of EU-NATO cooperation on cyber defence exercises and sharing good practices on crisis management	EEAS, Council	Member States, EDA, European Commission			

Addressing the critical cyber security applications of novel technologies in relevant international export control regimes	Member States, European Commission				
Developing and communicating a consolidated EU position on global internet governance discussions.	Council, European Commission, EEAS	Member States	2018 and ongoing	COSI to facilitate the adoption of a common EU position on a GDPR compliant WHOIS system, which will ensure timely and swift access to accurate Registration information on domain names and IP addresses owners (WHOIS data) for legitimate purposes including law enforcement, consumer protection, intellectual property rights protection, and cybersecurity activities.	