5G: Tackling the security challenge - Croatia

ITU Regional Cybersecurity Forum, Sofia, Bulgaria
25. February 2020.

5G

While 3G made mobile internet possible and 4G allowed mobile broadband, 5G is expected to become the connectivity infrastructure that will pave the way for new products and services and affect all sectors of society. Benefits will include:

E-HEALTH
- Remote monitoring of health, patients' records and smart diagnosis
- Utilising robots to help surgeons and improve medical outcomes

SMART ENERGY GRIDS
- Highly efficient power lines and fewer outages on a smaller scale
- Easier deployments with lower environmental impact

FACTORIES OF THE FUTURE
- Better control over time-sensitive internal processes
- Remote control access to warehouse machinery
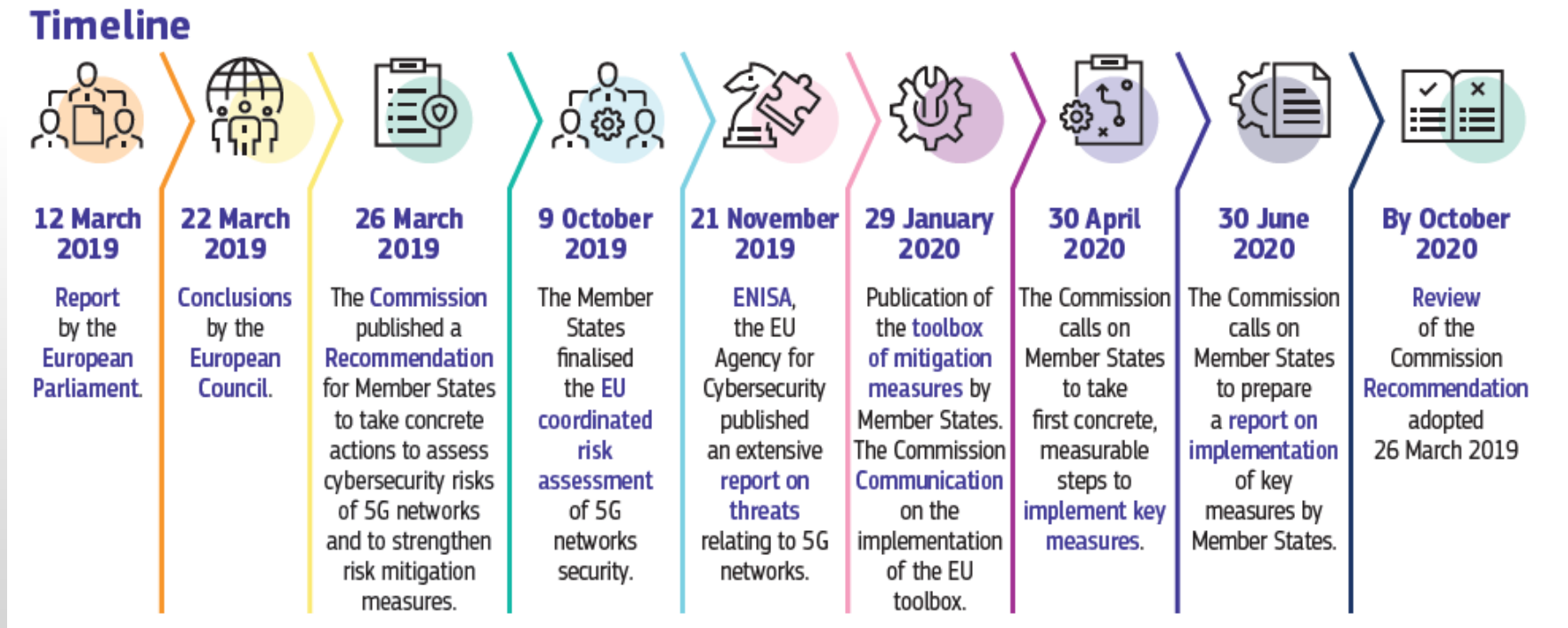
MEDIA & ENTERTAINMENT
- An amplified viewing experience such as virtual reality
- Ultra fast high-bandwidth applications such as video streaming

MOBILITY
- Enabling Connected and Automated Mobility with the goal of zero accidents
- Enabling connectivity in all modes of transport

HAKOM

Timeline

12 March 2019	22 March 2019	26 March 2019	9 October 2019	21 November 2019	29 January 2020	30 April 2020	30 June 2020	By October 2020
Report by the European Parliament.	Conclusions by the European Council.	The Commission published a Recommendation for Member States to take concrete actions to assess cybersecurity risks of 5G networks and to strengthen risk mitigation measures.	The Member States finalised the EU coordinated risk assessment of 5G networks security.	ENISA, the EU Agency for Cybersecurity published an extensive report on threats relating to 5G networks.	Publication of the toolbox of mitigation measures by Member States. The Commission Communication on the implementation of the EU toolbox.	The Commission calls on Member States to take first concrete, measurable steps to implement key measures.	The Commission calls on Member States to prepare a report on implementation of key measures by Member States.	Review of the Commission Recommendation adopted 26 March 2019

CYBERSECURITY

HAKOM

- *MS report national risk assessment for 5G to EK and ENISA-until 15. July 2019.*

- *HAKOM made huge effort: MNO, other authorities, vendors, Ministries, ...*

- *29. January 2020. Toolbox*

- *Before Toolbox:*
  - EU coordinated risk assessment of the cybersecurity of 5G networks, NIS Coorporation Group

  - ENISA THREAT LANDSCAPE FOR 5G NETWORKS

- *Toolbox:*
  - *Risk scenarios: R1 –R9*
  - *Strategic measures: SM01 –SM08*
  - *Technical measures: TM01 – TM10*
  - *Supporting actions: SA01 – SA10*

- *Commission has called on Member States to take steps to implement the set of measures recommended in the 5G toolbox conclusions by **30 April 2020** and to prepare a joint report on the implementation in each Member State by **30 June 2020***

QUESTIONS?

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