

Working Group 3 of the NIS Platform

Terms of Reference

21/10/2013

1. Scope

WG3 will address issues related to Cyber Security research and innovation in the context of the EU Strategy for Cyber Security and of the Network and Information Security (NIS) Platform. WG3 should identify the key challenges and corresponding desired outcomes in terms of innovation-focused, applied but also basic research in Cyber Security, privacy and trust; and propose new ways to promote truly multidisciplinary research that foster collaboration among researchers, industry and policy makers.

Taking into account the variety of the challenges and the diversity of the players involved in Cyber Security, privacy and trust research, WG3 should also serve as a facilitator for the coordination of, and collaboration between, research agendas across Europe, including industry research roadmaps and national research and innovation programmes of the Member States.

Beyond the scope of H2020, WG3 should also help identify the elements of a possible European industrial strategy for Cyber Security and examine ways to increase the impact and commercial uptake of research results in the area of secure ICT, including via innovative financial instruments and funding methods as well as new business models.

Finally, WG3 is overall expected to provide input to and elicit requirements from the work of both WG1 (Risk Management) and WG2 (Information Exchange).

2. Objectives

As stated above, the main objective of WG3 is to contribute to the coordination of the European activities in Research and Innovation in connection with the European Cyber Security strategy and in accordance with WG3's scope.

WG3 will be at least tasked to

- a) Map the research landscape by identifying relevant stakeholder groups, national and EU R&I programmes in Cyber Security, trustworthy ICT and privacy and prospective markets.
- b) Produce an analysis of available offers in higher education and training in Cyber Security in Europe and beyond.

- c) Identify the possible scenarios for cybersecurity in the medium/long term (e.g., year 2025) and investigate research, innovation, technological and educational challenges in order to successfully cope with those scenarios, from technical, social and economic perspectives.

3. Deliverables

- a) Terms of Reference for WG3
- b) Secure ICT landscape
- c) Business cases and innovation paths
- d) Snapshot of Education & Training landscape for workforce development
- e) The Strategic Research Agenda (SRA) of the NIS Platform, which is a living document stemming from WG3 and uses the other deliverables as input. The SRA will include the followings:
 - Desired states for European Research and Innovation (Scenarios at 2025 and corresponding challenges related to Secure ICT);
 - Gap analysis (technology & competences);
 - Identification of R&D instruments;
 - Priorities & timelines;
 - Roadmap;
 - Key performance indicators

4. Planning of delivery

- a) Autumn 2013 (October 2013):
 - Terms of Reference for WG3 – final version
- b) Spring 2014 (March 2014):
 - Secure ICT landscape – release candidate version
- c) Summer 2014 (June 2014):
 - Secure ICT landscape – final version
 - Snapshot of Education & Training landscape for workforce development – release candidate version
 - Business cases and innovation paths – release candidate version
 - Desired states for European Research and Innovation – release candidate version

d) Autumn 2014 (December 2014):

- Business cases and innovation paths – final version
- Desired states for European Research and Innovation – final version
- Gap analysis – release candidate version

e) Spring 2015 (March 2015):

- The Strategic Research Agenda (SRA) of the NIS Platform – first consolidated version

f) Summer 2015 (June 2015):

- Snapshot of Education & Training landscape for workforce development – final version

5. Working methods

- Constituency

Members of the WG must be qualified experts in the field willing to contribute to the achievement of the stated goals and objectives of this WG3 in accordance to the stated principles of the WG. Representatives from industry, research, academia, and governmental and regulatory bodies are sought.

- Management

The management of the WG3 is performed at several levels. WG3 chairs (see below) will ensure that the WG3 activities have assigned responsible persons inside the WG3, in particular deliverable editors. They can assign, and are actually invited to further assign responsibilities to other members of WG3, for fulfilling specific activities/tasks, as deliverable subsections. The overall management should be very lightweight and transparent. The management structure should be aligned to the methodology presented below.

- Methodology

The actual methodology is to be determined. It must include the following characteristics:

- Inclusive
- Value oriented
- Collaborative

- Coordinated with related initiatives
- Creativity unlimited (emerging topics anytime, anywhere).
- Transparent
- Neutral
- Work-sharing (task grouping) for better results
- Virtual meetings mainly, physical ones for main topics and milestones' acceptance
- Mix of bottom-up and top-down
- Consensus based decision making

6. Structure

WG3's initial structure will reflect the need to deliver the deliverables.

Such structure may be in different working groups, by topics or otherwise, with boards, like editorial, advisory, communication, etc.

Structure in sub-WGs is dynamic and depends on the needs of the WG3 to achieve its stated objectives.

7. Chairpersonship

The Working Groups of the NIS Platform start with two Co-Chairs each, with a mandate running at least until September 2015. The Co-Chairs of WG3 are Fabio Martinelli (National Research Council , Italy), and Raúl Riesco Granadino (INTECO, Spain).

8. Platform of work

The preferred online platform for exchanging information is the platform that will be provided by ENISA, which includes a forum, mailing list capabilities, and a document repository: <https://resilience.enisa.europa.eu/>.

ENISA will also create a new sub-space on the online portal for the Chairs for the exchange documents and to facilitate discussions on the running of the WGs, coordination between the WGs, etc.

9. Milestones

The milestones and timeline are aligned with the release of deliverables as previously described in Section 4.