



# CYBERSECURITY

## BACKGROUND

In March 2012, the National Cybersecurity Policy Framework (NCPF) was adopted by Cabinet to ensure a focused and an all-embracing safety and security environment in cyberspace. In the main, the policy framework outlines policy positions that are intended to:

- Address national security threats in cyberspace;
- Combat cyber warfare, cybercrime and other cyber ills;
- Develop, review and update existing substantive and procedural laws to ensure alignment; and
- Build confidence and trust in the secure use of information and communication technologies.

### **Furthermore, the NCPF:**

- Addresses the development and implementation of a Government-led, coherent and integrated approach to address cybersecurity threats; and
- Established a dedicated inter-departmental policy, strategy and decision making body known as the Justice, Crime Prevention and Security (JCPS) cluster Cybersecurity Response Committee (CRC) to identify and prioritise areas of intervention and focused attention regarding cybersecurity-related threats and to effectively coordinate departmental resources.

The role of the DST in the implementation of the NCPF is to lead the development of a Cybersecurity RDI Agenda, in line with DST's ICT RDI Strategy, and therefore with the following objectives:

- To build a strong and growing innovation ecosystem in which indigenous technology solutions and systems that underpin and support cybersecurity make their way into the market;
- To develop a critical mass of transformed and capable human capital, in line with national priorities and imperatives, with technical skills, capabilities and competencies that foster cybersecurity innovation and entrepreneurship;
- To coordinate national RDI activities in partnership with cybersecurity stakeholders in government, science councils, academia and industry, in order to enhance strategic independence and operational effectiveness of government and organs of state; and
- To coordinate South Africa's collaboration with international partners on matters of cybersecurity RDI and high-end skilling.

To this effect, DST has appointed a Task Team to drive the development of the first draft Cybersecurity RDI Agenda and to establish a Cybersecurity RDI Agenda Forum for formal consultation with key stakeholders on a yearly basis in order to inform and update the Cybersecurity RDI Agenda in line with stakeholder needs, research and innovation outcomes and national / international trends.

A short version of the first draft Cybersecurity RDI Agenda will be shared with participants about one week before the Forum Workshop in order to facilitate preparation for the discussions.

### **OBJECTIVES OF THE FIRST CYBERSECURITY RDI AGENDA FORUM WORKSHOP**

1. To share the outcomes of the first draft DST Cybersecurity RDI Agenda.
2. To share perspectives from international experts.
3. To enhance and enrich the first draft Cybersecurity RDI Agenda through focused debates on the key research questions that need to be addressed.
4. To share information on funding options for cybersecurity RDI.

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## PROGRAMME

**PROGRAMME DIRECTOR: Dr Quentin Williams, CSIR Meraka**

ITEM	PRESENTERS	TIME
Arrival, Registration and Tea		08:30 – 09:00
1. Welcoming Remarks	<b>Dr Molefi Motuku, CSIR Group Executive: R&amp;D</b>	09:15 – 09:25
2. Opening Remarks	<b>Mr Imraan Patel, Deputy Director-General: Socio Economic Innovation Partnerships, DST</b>	09:00 – 09:15
3. Presentation: National Cybersecurity Policy Framework	<b>Dr Irene Moetsana-Moeng, State Security Agency</b>	09:25 – 09:55
4. Presentation: Global Perspective on Cybersecurity and Policy-related matters	<b>International Expert: Mr Jim Clarke, EU and Global Perspective on the Cybersecurity Research Agenda and Collaboration</b>	09:55 – 10:25
Questions and Answers		10:25 – 10:40
TEA BREAK		10:40 – 11:00
5. DST Cybersecurity RDI Agenda Forum Purpose and Workshop Objectives	<b>Ms Jeanette Morwane, Director: ICT, DST</b>	11:00 – 11:20
6. Presentation: DST Draft Cybersecurity RDI Agenda and Role of the Task Team	<b>Prof. Fulufhelo Nelwamondo, Chairperson of the DST Cybersecurity RDI Agenda Task Team</b>	11:20 – 11:50
7. Setting the Scene for Break Away Sessions	<b>Dr Barend Taute, DST Cybersecurity RDI Agenda Task Team</b>	11:50 – 12:10
Questions and Answers		12:10 – 12:30
LUNCH		12:30 – 13:30



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ITEM	PRESENTERS	TIME
7. Interactive Discussions (parallel sessions)	<p><b>Commission 1:</b></p> <ul style="list-style-type: none"> <li>a. Identity, privacy and trust management</li> <li>b. Benefits and approach to international cooperation</li> <li>c. Legislative frameworks</li> <li>d. Cybercrime investigation and prosecution</li> </ul>	13:30 – 15:00
	<p><b>Commission 2:</b></p> <ul style="list-style-type: none"> <li>a. Digital forensics</li> <li>b. Offensive and defensive cyber capabilities</li> <li>c. Attack detection, response, prevention and monitoring</li> <li>d. Cybersecurity human capacity development for the country at all levels</li> </ul>	
	<p><b>Commission 3:</b></p> <ul style="list-style-type: none"> <li>a. Network Security</li> <li>b. Critical infrastructure protection</li> <li>c. Protection of industrial control systems</li> <li>d. Human/social behaviour aspects of cybersecurity</li> </ul>	
	<p><b>Commission 4:</b></p> <ul style="list-style-type: none"> <li>a. Cloud and mobile security</li> <li>b. Business case security innovations by local SMEs</li> <li>c. Protection against malicious software</li> <li>d. Cybersecurity awareness</li> </ul>	
TEA BREAK		15:00 – 15:15
5. Report back plenary	All participants	15:15 – 16:15
6. Closure and Announcements	Programme Director	16:15 – 16:30



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