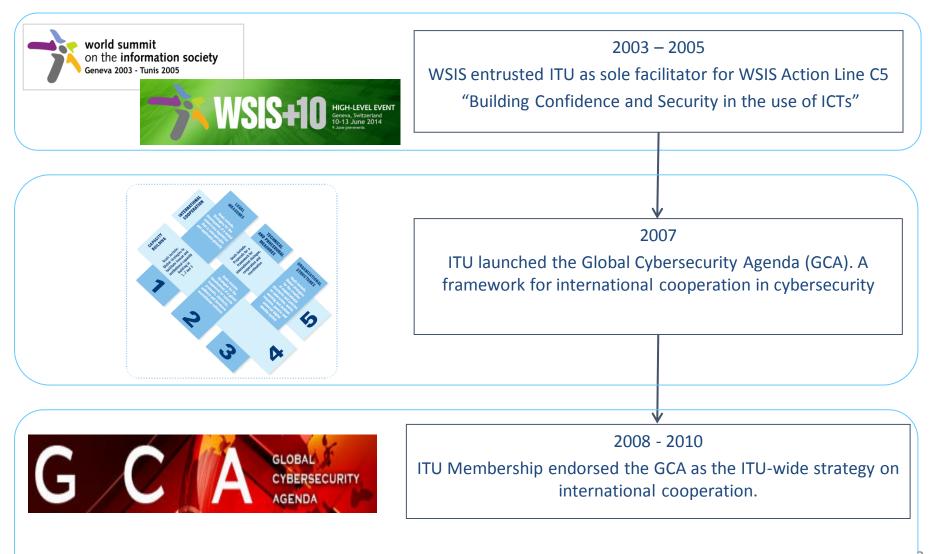
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Cybersecurity@ITU Europe Actions

Ms Rosheen Awotar-Mauree



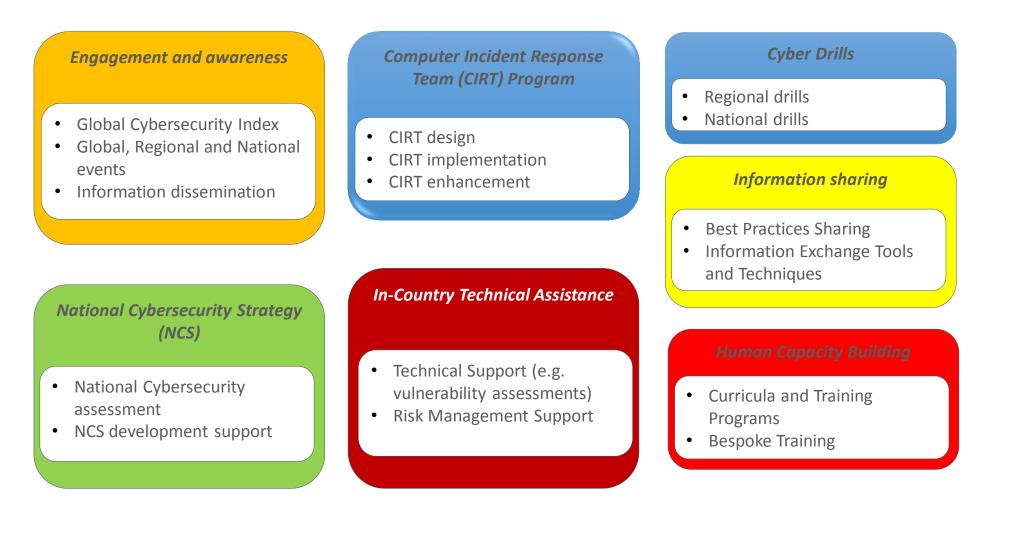




2.....

BDT Cybersecurity program

7 Service areas – 16 Services





Global Cybersecurity index - GCI 💘



The GCI measures the commitment of countries to cybersecurity in the 5 pillars of the Global Cybersecurity Agenda:

- Legal Measures
- Technical Measures
- Organizational Measures
- Capacity Building
- Cooperation

Goals

- help countries identify areas for improvement
- motivate them to take action to improve their GCI ranking
- help harmonize practices
- foster a global culture of cybersecurity

Final Global and Regional Results 2014 are on ITU Website 2016 Version Ongoing! 135 Countries have responded, analysis ongoing http://www.itu.int/en/ITU-D/Cybersecurity/Pages/GCI.aspx



Cyberwellness Country Profiles

Factual information on cybersecurity achievements on each country based on the GCA pillars

- Live documents
- Invite countries to assist us in maintaining updated information

http://www.itu.int/en/ITU-D/Cybersecurity/Pages/Country_ Profiles.aspx

$\mathsf{Example} \rightarrow$



GCI 2016 ... a new version..

Resolution 130 (Rev. Busan, 2014)

"invites Member States to support ITU initiatives on cybersecurity, including the Global Cybersecurity Index (GCI) ..."

What is new ?

- Have a unique value addition to the sphere of existing Cybersecurity indices
- Capture more details on Cybersecurity
- Enhance consultation with Member States
- Expand the partnerships into a multi-stakeholder collaborative platform





13 Partners





















Global Cybersecurity index - 2016 Preview

Respond to the GCI to indicate the commitment of your Government to Cybersecurity

- 135 responses out of 194 UN Member States
- 34 responses out of 43 Europe region (16 responses in GCI 2014)
- Response needed for Austria, Denmark, France, Israel, Monaco, Portugal and Slovenia.
- Data Validation and Analysis in progress
- Europe: Preliminary Practices & Score for

Andorra, Belgium, Bosnia &Herzegovina, Bulgaria, Cyprus, Finland, Greece, Germany, Hungary, Iceland, Ireland, Latvia, Luxembourg, Netherlands, Poland, Romania, Spain, Sweden, Switzerland, UK

Some Practices – Legal



- Cybercrime & Data Protection all countries have provision
- Detailed Privacy aspects most countries
- Implementation of Cybersecurity measures imposed by law or regulation :Bulgaria, Finland, Germany, Greece, Latvia, Poland
- Cybersecurity audits imposed by law or regulation : Belgium, Bulgaria, Cyprus, Finland, Latvia, Poland
- Child Online protection: all except Latvia not clear
- E-transactions :All except Andorra
- Training for law enforcement : Belgium, Bulgaria, Cyprus, Finland, Greece, Hungary, Iceland, Latvia, Luxembourg

Preliminary results - Europe

COUNTRY	LEGAL	TECHNICAL	ORGANISATIONAL	CAPACITY BUILDING	COOPERATION	GCI
Andorra	0.207	0	0	0	0.065	0.057
Belgium	0.968	0.688	0.445	0.605	0.632	0.671
Bosnia and Herzegovina	0.285	0.126	0.070	0	0.086	0.116
Cyprus	0.577	0.378	0.494	0.528	0.452	0.487
Finland	0.531	0.68	0.614	0.573	0.871	0.656
Germany*	0.637	0.964	0.416	0.437	0.575	0.605
Greece	0.885	0.415	0.334	0.202	0.329	0.439
Hungary	0.821	0.823	0.402	0.244	0.372	0.534
Iceland	0.558	0.256	0.458	0.044	0.452	0.361
Ireland	0.504	0.692	0.486	0.611	0.678	0.594
Latvia	0.681	0.730	0.496	0.745	0.784	0.688
Luxembourg	0.59	0.747	0.563	0.644	0.481	0.602
Netherlands	0.271	0.61	0.603	0.385	0.789	0.533
Poland	0.670	0.613	0.581	0.531	0.700	0.622
Romania	0.677	0.658	0.413	0.443	0.712	0.585
Spain	0.772	0.48	0.482	0.506	0.351	0.519
Sweden	0.490	0.36	0.567	0.578	0.681	0.537
Switzerland	0.550	0.622	0.414	0.769	0.555	0.580
United Kingdom	0.819	0.964	0.638	0.883	0.492	0.753

Score range is 0 to 1 *Based on secondary data

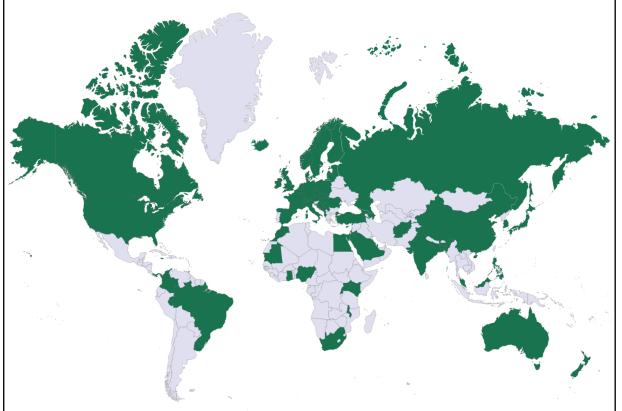


National Cybersecurity Strategies

- Policy document, Strategy document, Action Plan
- Process for review and enhancement
- Standalone document or embedded in other strategies ...
- Actionable, Sustainable
- A public document or not ...
- Currently over 72 countries have published National Cybersecurity Strategies
- The oldest was issued in 2004 and the latest in 2015.. Some repositories are
- ITU http://www.itu.int/en/ITU-D/Cybersecurity/Pages/National-Strategiesrepository.aspx
- ENISA

https://www.enisa.europa.eu/activities/Resilienceand-CIIP/national-cyber-security-strategiesncsss/national-cyber-security-strategies-in-the-world

 NATO CCDCOE https://ccdcoe.org/strategiespolicies.html



Source: ITU

National Cyber Security Guide A Joint Effort by 15 Partners



Co-authored Multi-stakeholder approach



All project partners contribute their knowledge and expertise in the National Cyber Security domain, thereby providing a high added value to the toolkit definition

Contact us for assistance in elaborating or reviewing your National Cyber Security Strategy



National CIRTs are in the first line of cyber-response

- Providing incident response support;
- Dissemination of early warnings and alerts;
- Facilitating communications and information sharing among stakeholders;
- Developing mitigation and response strategies and coordinating incident response;
- Sharing data and information about the incident and corresponding responses;
- Publicising best practices in incident response and prevention advice;
- Coordinating international cooperation on cyber incidents;



103 National CIRTs Worldwide Need to fill the gaps In Europe : Andorra, Bosnia & Herzegovina, Liechtenstein, Monaco, San Marino, Serbia, Macedonia



ITU's National CIRT Programme

- Assessments conducted for 65 countries
- Implementation completed for 12 countries Barbados, Burkina Faso, Côte d'Ivoire, Cyprus, Ghana, Jamaica, Kenya,

Montenegro, Tanzania, Trinidad and Tobago, Uganda, Zambia.

• Implementation in progress for 3 countries

Burundi, Gambia, Lebanon

- CIRT Enhancement in progress for 1 country Kenya
- **16 regional** cyber drills conducted with participation of over **100** countries



Regional Cyberdrills

Purpose

- enhance the communication and incident response capabilities of the participating teams
- initiate a continued collective effort in mitigating cyber threats Incident Response Teams CIRTs

Structure

- various scenarios involving the most common types of cyberattacks
- knowledge sharing sessions for cooperation and discussions on cybersecurity

Recent ones

• 2015 in Montenegro and 2014 in Turkey

Contact us to host the Europe Regional Cyberdrill 2017

Building global partnerships



F F C E Founding Member and Co-initiation of CSIRT Maturity initiative

Best practices in cybercrime legislations, joint technical assistance to member states, information sharing



Symantec. TREND Tap on expertise of globally recognized industry players and accelerate info sharing with ITU member states

Collaboration in Study Group 2 Question 3 and in Cyberdrills **NUIX**



Collaboration with FIRST – To share best practices on computer incident response, engage in joint events, facilitate affiliation of national CIRTS of member states

Joint activities to combat the proliferation of SPAM

8 JUNE 2015 : MoU to jointly enhance Cybersecurity capacity in the ECOWAS region



Interne





Upcoming Events

ITU-D Study Group 2 Question 3 meeting

@ITU HQ Geneva 29 September 2016

Securing information and communication networks: Best practices for developing a culture of cybersecurity – a platform for contributing case studies and learning from others

ITU - ENISA Regional Cybersecurity Forum

@Sofia, Bulgaria 29–30 November 2016

National Cybersecurity Strategies, Critical Information Infrastructure Protection, CIRT Cooperation

https://www.itu.int/en/ITU-D/Regional-Presence/Europe/Pages/Events/2016/RCYBF/Regional-Cybersecurity-Forum.aspx



Actions

- Complete GCI 2016 survey make your cybersecurity commitments visible
- ✓ Review your cyberwellness profile
- ✓ Establish your National CERT
- ✓ Host the 2017 Regional Cyberdrill for Europe
- Elaborate / Re-actualize your National Cybersecurity Strategy (and part publish)
- ✓ Participate (remotely) in ITU-D SG2Q3 on 29 September
- ✓ Submit a paper contribution to ITU-D SG2Q3
- Join us in Sofia on 29 November for the Regional Cybersecurity Forum
- ✓ Contact us for any in-country assistance



ITU : I Thank U cybersecurity@itu.int