



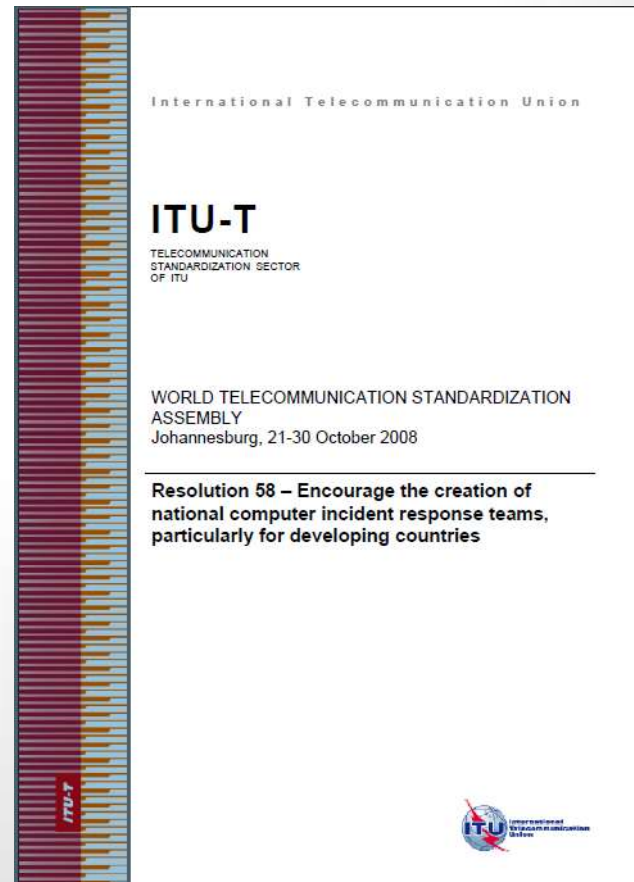
ITU-IMPACT CIRT Implementation Project



Developing National CIRTs

Resolution 58 – Encourage the creation of national computer incident response teams, particularly for developing countries

- there is still a low level of computer emergency preparedness within many countries particularly developing countries
- the high level of interconnectivity of ICT networks could be affected by the launch of an attack from networks of the less-prepared nations, which are mostly the developing countries
- the importance of having an appropriate level of computer emergency preparedness in all countries
- the need for establishment of computer incident response teams (CIRTs) on a national basis
- importance of coordination within and among the regions,



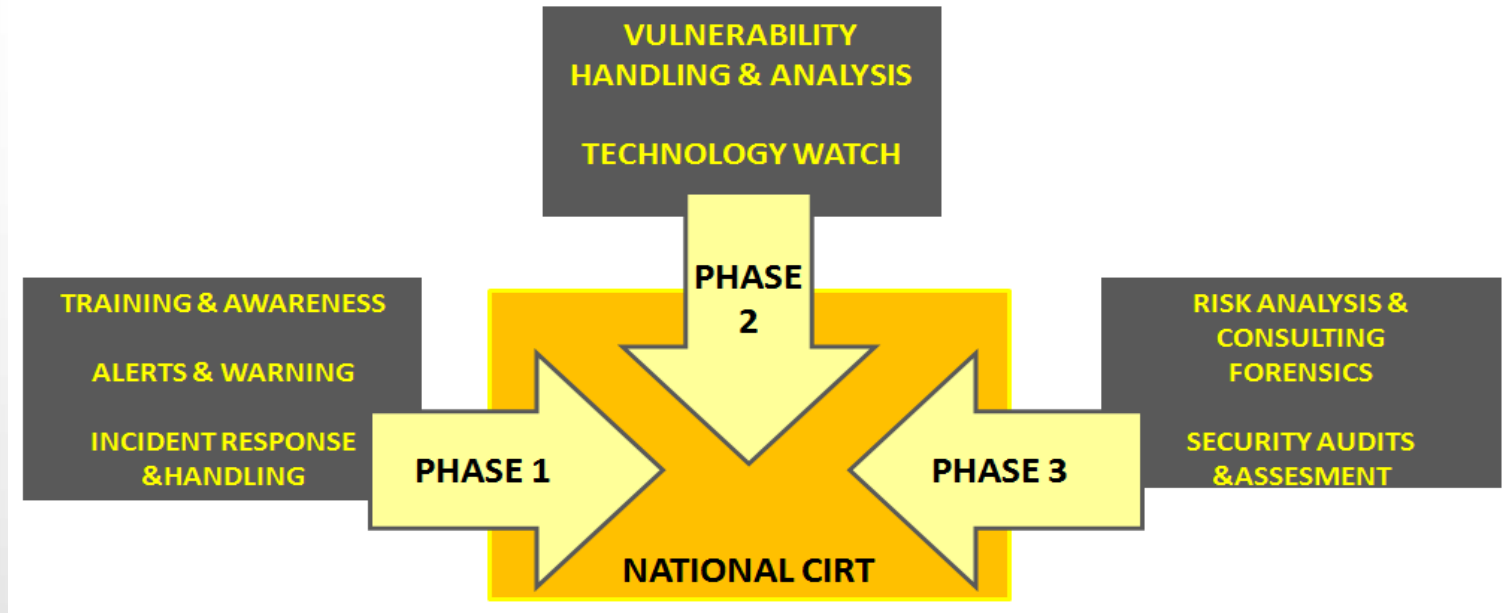
CIRT Readiness Assessment



To assist partner countries' assessment of its readiness to implement a National CIRT. IMPACT reports on key issues and analysis, recommending a phased implementation plan for National CIRT.

No.	Partner Countries	Assessment Status
1	Afghanistan	Completed in November 2009
2	Uganda, Tanzania, Kenya & Zambia	Completed in April 2010
3	Nigeria, Burkina Faso, Ghana & Ivory Coast	Completed in May 2010
4	Maldives, Bhutan, Nepal & Bangladesh	Completed in June 2010
5	Romania, Serbia, Montenegro, Albania	Completed in November 2010
6	Armenia & Lao PDR	Completed in October 2011
7	Senegal, Niger, Togo & Gambia	Completed in Nov 2011
8	Ecuador, Guatemala, Costa Rica & Dominican Rep.	In 2012

CIRT Deployment



National CIRT Capabilities in PHASE 1 (6 months)

- ✓ able to **conduct cybersecurity awareness activities** within the country
- ✓ capable to **send alerts and issue warnings** to various stakeholders
- ✓ able to **handle and respond to cybersecurity incidents**

CIRT Deployment

Phase 1 : Basic CIRT Services (6 Months)

i. Proactive Services

- Cybersecurity Training & Awareness Activities within the country

ii. Reactive Services

- Incident response & handling (both remote and on-site).
- Alerts & warnings
- Vulnerability response

Key Activities (sub phases) :-



CIRT Methodology Overview

Assessment	Planning & Design	Implementation	Operations	Collaboration
<ul style="list-style-type: none"> • Current State Assessment (questionnaires) • Obtain Management Support and Buy-In through Trusted Communications 	<ul style="list-style-type: none"> • Determine & Confirm Constituency • Define & Confirm Mission Statement • Determine CIRT Services 	<p>People:</p> <ul style="list-style-type: none"> • Trainings 	<ul style="list-style-type: none"> • Incident Handling Activities • Information Dissemination 	<ul style="list-style-type: none"> • Cooperation Between Other CIRTs
<ul style="list-style-type: none"> • Capacity Building through Awareness and Training on the need to establish a National CIRT • Recommendation Report 	<ul style="list-style-type: none"> • Determine Reporting Structure, Authority & Organisation Model • Define CIRT Processes & Workflow • Develop Policies, Procedures and Documentations 	<p>Process:</p> <ul style="list-style-type: none"> • Finalised CIRT Processes & Workflow • Finalised Policies, Procedures & Documentations 	<ul style="list-style-type: none"> • Managing CIRT Staff • Managing CIRT Infrastructure • Identify CIRT Media Spokesperson(s) 	
	<ul style="list-style-type: none"> • Identify Interactions with Key Parts of the Constituency • Define Roles and Responsibilities for Interactions • Determine Technology Requirements (HW, SW, Tools, etc.) 	<p>Technology:</p> <ul style="list-style-type: none"> • Assess Infrastructure for the Constituency • Hardware & Software Installation 	<ul style="list-style-type: none"> • Disaster Recovery Plan • Quality Assurance Review 	
	<ul style="list-style-type: none"> • Human Resource Requirements • Capacity Building • Communications Approach • CIRT Facilities 	<p>Others:</p> <ul style="list-style-type: none"> • Legal Issues • CIRT Announcement 		

CIRT Timeline

Activities	Onsite	Offsite	Total
• Assessment	1 week	3 weeks	1 month
• Planning & Design	2 weeks	6 weeks	2 months
• Implementation & Testing	2 weeks	2 weeks	1 month
• Operations	-	8 weeks	2 months
• Collaboration	-	On Going	-
Total			6 months

Thank you



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