



Enhancing Cybersecurity for LDC – Sierra Leone

Programme Schedule – Week 1, 2-6th December 2013

ITU-IMPACT Experts: 1) **Jairam Ramesh** 2) **Nadher Al-safwani**

30/11/2013

Time	Activity
TBD	<ul style="list-style-type: none"> - Depart from Kuala Lumpur - Arrival at Sierra Leone

1/12/2013

Time	Activity
All Day	<ul style="list-style-type: none"> - Self-administration - Preparation for the mission

2/12/2013

Time	Activity
09:00 – 09:30	- Speaker Engagement
09:30 – 10:40	<ul style="list-style-type: none"> - Ice Breaking & Program Overview Sessions - IMPACT Presentation - ITU-IMPACT Collaboration Presentation - Video presentation
10:40 – 11:00	- Break
11:00 – 12:30	<ul style="list-style-type: none"> - Session 1: CIRT Introductory Training - Lunch
14:00 – 15:00	- Fundamentals of Computer Incident Handling Training
15:00 – 15:20	- Break
15:20 – 15:30	- Briefing Exercise 1
15:30 – 16:30	- Exercise 1 (Setting up your CIRT)
16:30 – 17:00	- Wrapping up Exercise 1

3/12/2013

Time	Activity
09:00 – 10:30	- Video presentation - Steps of Incident Handling Training
10:30 – 10:50	- Break
10:50 – 11:00	- Briefing Exercise 2
11:00 – 12:30	- Exercise 2 (Triage, Prioritization and Basic Incident Handling)
12:30 – 14:00	- Lunch
14:00 – 14:30	- Video presentation - Wrapping up Exercise 2
14:30 – 14:40	- Briefing Exercise 3
14:40 – 15:40	- Exercise 3 (Incident Handling Procedure)
15:40 – 16:00	- Break
16:00 – 16:30	- Exercise 3 (con't)
16:30 – 17:00	- Wrapping up Exercise 3

4/12/2013

Time	Activity
09:00 – 10:30	- IMPACT GRC Portal, ESCAPE & CIRT Portal
10:30 – 10:50	- Break
10:50 – 11:00	- Briefing Exercise 4
11:00 – 12:30	- Exercise 4 (Vulnerability Handling)
12:30 – 14:00	- Lunch
14:00 – 14:30	- Video Presentation - Wrapping up Exercise 4
14:30 – 14:40	- Briefing Exercise 5
14:40 – 15:40	- Exercise 5 (Establishing external contacts)
15:40 – 16:00	- Break
16:00 – 16:30	- Exercise 5 (cont'd)
16:30 – 17:00	- Wrapping up Exercise 5

5/12/2013

Time	Activity
09:00 – 09:20	- Video Presentation
	- Cybersecurity Landscape
09:20 – 09:30	- Briefing Exercise 6
09:30 – 10:30	- Exercise 6 (Large Scale Incident Handling)
10:30 – 10:50	- Break
10:50 – 12:00	- Exercise 6 (cont'd)
12:00 – 12:30	- Wrapping up Exercise 6
12:30 – 14:00	- Lunch
14:00 – 14:10	- Briefing Exercise 7
14:10 – 16:30	- Exercise 7 (Operational CIRT)
	- Break
16:30 – 17:00	- Wrapping up Exercise 7

6/12/2013

Time	Activity
09:00 – 09:20	- Video Presentation
	- Warm up Session
09:20 – 09:30	- Briefing Exercise 8
09:30 – 10:30	- Exercise 8 (Cooperation with Law Enforcement Agencies & COP)
10:30 – 10:50	- Break
10:50 – 12:00	- Exercise 8 (cont'd)
12:00 – 12:30	- Wrapping up Exercise 8
12:30 – 14:00	- Lunch
14:00 – 14:10	- Briefing Exercise 9
14:10 – 16:30	- Exercise 9 (Incident Handling & Role Playing)
	- Break
16:30 – 17:00	- Wrapping up Exercise 9

7/12/2013

Time	Activity
TBD	- Check-out from Hotel – Nadher Only - Depart from Sierra Leone- Nadher Only

8/12/2013

Time	Activity
TBD	- Arrive Kuala Lumpur -

Programme Schedule – Week 2, 9-13th December 2013

ITU-IMPACT Experts: 1) **Jairam Ramesh** 2) **Sagar Mahendram**

7/12/2013

Time	Activity
TBD	- Depart from Kuala Lumpur – Sagar only - Arrival at Sierra Leone – Sagar only

8/12/2013

Time	Activity
All Day	- Self-administration - Preparation for the mission

9/12/13

Time	Activity
09:00 – 10.30	Introduction to Information Security <ul style="list-style-type: none">· What is Information?· The relationship between Information and Business· Role of Information in today's economy· Introduction to Information Security· Understanding Information Security· Components of Information Security· Introduction to CIA Model
10:30 – 10:50	- Break
10:50-12:30	Risk Management <ul style="list-style-type: none">· What is Risk?· Importance of Risk Management· Risk Identification· Risk Mitigation

12:30 – 14:00	<ul style="list-style-type: none"> · Risk Evaluation · Measuring Risk
	- Lunch
	Fundamentals of Information Security <ul style="list-style-type: none"> · Key Security Principles · User Responsibilities · Information Classification · Information Asset Classification · Non-Information Asset Classification · Systems and Data Ownership
15:30-16.00	- Break
16:00 – 17:00	<ul style="list-style-type: none"> · Introduction to Controls · Classification of Controls · Control Monitoring and Analysis · Control Review · Identification, Authentication, Authorisation, Accounting and Auditing (IAAA)

10/12/13

Time	Activity
09:00 – 10.30	Designing and Implementing Security <ul style="list-style-type: none"> · Designing Security Requirements · Security, Business Processes and Productivity · 11 Major Security Areas of ISO27002 · Introduction to ISO27002 · Security Policy · Organizing Information Security
10:30 – 10:50	- Break
10:50-12:30	Designing and Implementing Security (cont'd) <ul style="list-style-type: none"> · Human Resources · Physical and Environmental Security · Communication and Operations Management · Access Control Management · System Development and Maintenance · Incident Management · Business Continuity Management · Compliance Management
12:30 – 14:00	- Lunch
	Recognising Security Threats and Vulnerabilities

	<ul style="list-style-type: none"> · Introduction to Security Threats · Threat Identification · Sources of Threat · Types of Threats ·
15:30-16.00	- Break
16:00 – 17:00	Introduction to Vulnerabilities <ul style="list-style-type: none"> · Types of Vulnerabilities · Risks, Threats and Vulnerabilities

11/12/13

Time	Activity
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09:00 – 10:30	Security Best Practices <ul style="list-style-type: none"> · Protecting your Identity · Protecting Restricted Data · Password Protection · Data Backup · Instant Messaging · Phishing and Spyware · Mobile Computing · Remote Access
10:30 – 10:50	- Break
10:50-12:30	Security Best Practices (cont'd) <ul style="list-style-type: none"> • Internet Access • Secure Email • Anti-Virus, Anti-Spyware and Firewall • Installing Programs and Updating your Computer • Social Engineering • Clear Desk/Workstation Security • Reporting Computer Security Incidents
12:30 – 14:00	- Lunch
	Countermeasures <ul style="list-style-type: none"> · Technical Countermeasures · Security Program Management · Introduction to Reactive Services · Introduction to Proactive Services · Roles of International Organisations in Information Security
15:30-16.00	- Break

16:00 – 17:00	<ul style="list-style-type: none"> • Introduction to Reactive Services • Introduction to Proactive Services • Roles of International Organisations in Information Security
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12/12/13

Time	Activity
09:00 – 10:30	<ul style="list-style-type: none"> • Spam and Phishing Demo
10:30 – 10:50	- Break
10:50-12:30	<ul style="list-style-type: none"> • Anti Virus Optimization
12:30 – 14:00	- Lunch
	<ul style="list-style-type: none"> • Securing emails and Detecting signatures
15:30-16.00	- Break
16:00 – 17:00	<ul style="list-style-type: none"> • Creating Wireless Access Points

13/12/13

Time	Activity
09:00 – 10:30	<p>Sample Tools Demo used for Pen-testing and Vulnerability Assessment</p> <ul style="list-style-type: none"> • Foca • Nessus
10:30 – 10:50	- Break
10:50-12:30	<ul style="list-style-type: none"> • Nmap • Wireshark
12:30 – 14:00	- Lunch
	<ul style="list-style-type: none"> • CIRT implementation Walkthrough
15:30-16.00	- Break
16:00 – 17:00	<ul style="list-style-type: none"> • Exercise and Wrap Up

14/12/2013

Time	Activity
TBD	- Check-out from Hotel – Jairam and Sagar - Depart from Sierra Leone- Jairam and Sagar

15/12/2013

Time	Activity
TBD	- Arrive Kuala Lumpur