

Organisation of Islamic Cooperation Computer Emergency Response Team OIC-CERT

OVERVIEW, PROJECTS & ACTIVITIES

ITU-ATU Workshop on Cybersecurity Strategy in African Countries
Khartoum-SUDAN
24-26 July 2016



Mr. Esam Abulkhirat
NISSA-Libya
OIC-CERT Steering Committee Member



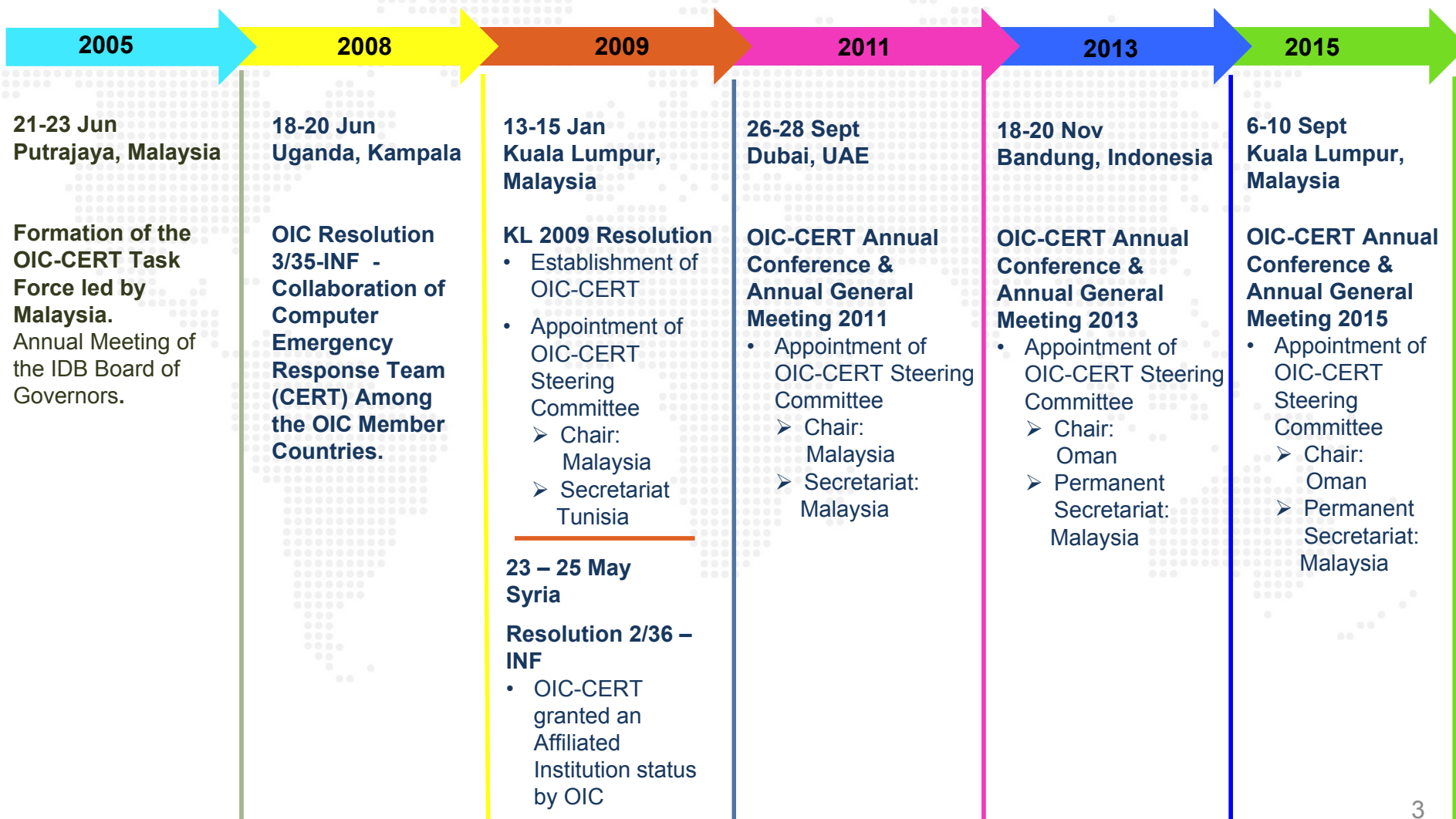
The Organization of Islamic Cooperation (OIC) in fulfilling part of its mandate is to strengthen capacity and to protect security, sovereignty, independence and national rights of its members, expressed its concerns that **technology can be used for disruptive purposes.**

The OIC therefore mandated that **OIC-CERT be the institution of choice** for member states “in providing support and responding to computer security incidents.”

(OIC Resolution *No.3/35-INF*, 2008)

MISSION STATEMENT

OIC-CERT is to **provide a platform** for member countries to **explore** and to **develop collaborative initiatives** and possible **partnerships** in matters pertaining to cyber security that shall **strengthen their self reliant** in the cyberspace





- 1 Strengthening relationships amongst CERTs in OIC Member Countries
- 2 Encouraging experience and information sharing in ICT Security
- 3 Preventing and reducing cyber-crimes
- 4 Cultivating and fostering education and outreach ICT security programs
- 5 Promoting collaborative technology research, development and Innovation in ICT security fields
- 6 Promoting good practices and / or recommending to help address legal and regulatory issues
- 7 Assisting member countries in establishing National CERTs

MEMBERSHIP UPDATES

OIC-CERT Membership List (AS OF 5 NOVEMBER 2015)

	FULL MEMBERS	
1	Azerbaijan	Azerbaijan Government CERT
2	Bangladesh	BangladeshCERT
3	Brunei	Brunei CERT (BruCERT)
4	Côte d'Ivoire	Côte d'Ivoire - CERT (CI-CERT)
5	Egypt	Egypt CERT (EG-CERT)
6	Indonesia	Indonesia Security Incident Response Team on Internet Infrastructure/Coordination Center (ID-SIRTII /CC)
7	Iran	Iran CERT (IrCERT)
8	Jordan	Jordan CERT (JO-CERT)
9	Libya	Libya-CERT
10	Kazakhstan	Kazakhstan CERT (KZ-CERT)
11	Malaysia	CyberSecurity Malaysia
12	Morocco	Moroccan CERT (maCERT)
13	Nigeria	Consultancy Support Service (CS2) Limited
14	Oman	Oman National CERT (OCERT)
15	Pakistan	National Response Centre for Cyber Crimes (NR3C)
16	Saudi Arabia	Saudi CERT (CERT-SA)
17	Sudan	Sudan CERT
18	Syria	Information Security Center (ISC)
19	Tunisia	Tunisia CERT (TunCERT)
20	UAE	UAE CERT (aeCERT)

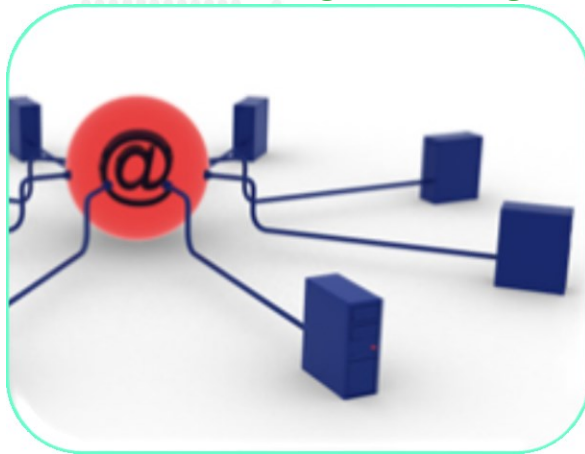
	GENERAL MEMBERS	
1	Bangladesh	1. bdCERT
2	Pakistan	2. PISA-CERT
3	Turkey	3. Turkey-CERT (TR-CERT)
4	Iran	4. APA – Isfahan University of Technology CERT (APA-IUTcert)
		5. APA – AmirKabir University of Technology CERT (APA-AUTcert)
		6. APA – Shiraz University CERT (APA-SUcert)
		7. APA – Sharif University CERT (APA-SharifCERT)
		8. MAHER Center
COMMERCIAL MEMBERS		
1	FireEye Malaysia, Malaysia	
2	Telekom Applied Business, Malaysia	
3	InfoSys Gateway Sdn. Bhd., Malaysia	
4	Telesom, Somalia	
5	Duzon, South Korea	
6	Intellium Ltd., United Kingdom	
	PROFESSIONAL MEMBERS	
1	Assoc. Prof. Dr. Hatim Mohamad Tahir, Malaysia	
2	Dr. Abdulrahman Ahmad Abdu Muthana, Yemen	
3	Prof. Dr. Rabiah Ahmad, Malaysia	
	FELLOWS MEMBER	
1	Prof. Nabil Sahli, Tunisia	
	HONORARY MEMBER	
1	Organization for Islamic Cooperation, Saudi Arabia	
Total Members		Total Countries
38		21

LINKAGE TO GLOBAL NETWORKING



Promotes **strategic cooperation** and new venture **with CERT communities** or non-CERT communities around the world

ACCESS TO CERT SERVICES



Offers **assistance** to members in establishing CERTs by **providing technical expertise and policy advice**

RESOURCE AND INFORMATION SHARING



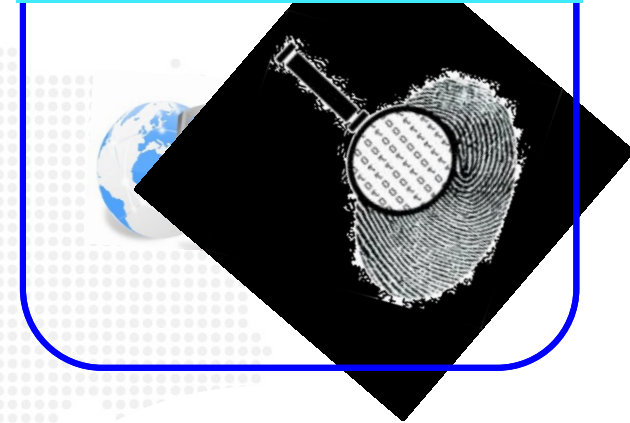
Provides a platform **for resources collaboration in research and development** in the area of cyber security.

**OIC-CERT
Membership**

Capacity Building



OIC-CERT Malware Research And Coordinating Facility



Cyber Drill



OIC-CERT Professional Certification Program



THE OIC-CERT Capacity Building

OIC-CERT Technical Workshop 2011



Participants:
13 countries



Oman



Saudi Arabia



Egypt



Morocco



Capability in Cyber
Security Niche Areas

Experience Conduct
Training

Access To Global Cyber
Security Community



Cyber Security
Professional
Development &
Outreach



Strategic
Engagement &
Research



Security Quality
Management
Services



Cyber Security
Emergency
Services





OBJECTIVES



An opportunity to face a realistic incident, testing out internal procedures, exercise technical capabilities and analyze cyber threats



To identify the level of readiness to mitigate the emerging of cyber threats and to avoid serious impact to the country.



22 February 2012
"Targeted Attacks and Cyber Crisis Coordination"

14 May 2013
"The Phantom Cyber Threat"

4 June 2014
"All in One Rhythm, Collaboration against Cyber Threat"

5 August 2015
"The Phantom Cyber Threat"

2012

5 teams from 5

OIC-CERT member countries:

- Malaysia
- Bangladesh,
- Egypt,
- Oman,
- Pakistan,
- Tunisia

2013

10 teams

from 10 OIC-CERT member countries:

- Malaysia
- Brunei
- Egypt
- Indonesia
- Morocco
- Oman
- Tunisia
- Iran
- Bangladesh
- Nigeria

2014

12 teams from 11 countries :

- Malaysia
- Indonesia
- Tunisia
- Bangladesh
- Brunei
- Oman
- Egypt
- Morocco
- Ivory Coast
- Tanzania
- Pakistan
- Nigeria

2015

13 teams from

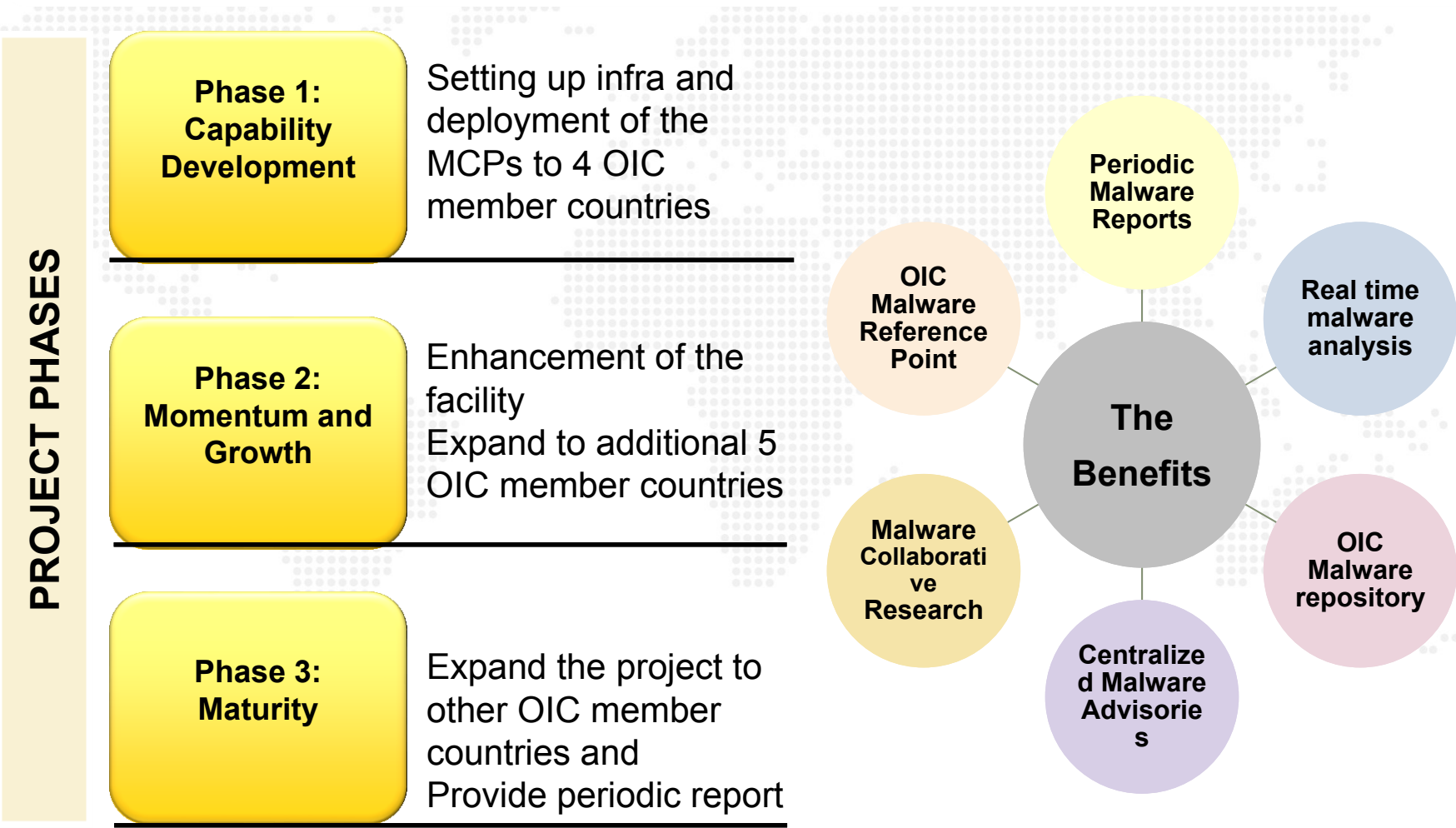
11 countries:

- Malaysia
- Oman
- Indonesia
- Morocco
- Tunisia
- Egypt
- Ivory Coast
- Nigeria
- Mongolia
- Ghana
- Tanzania



Objective

- Perform advanced cyber malware analytics, research and co-ordination among the OIC countries.
- Provide a holistic view of the threats and coordinate response among the OIC countries





OBJECTIVE

To create world class competent work-force in cyber security and promote the development of cyber security professional programmes within the region



OIC-CERT Professional Certification

EXPECTED OUTCOME

To provide cyber security professionals in OIC countries with the right knowledge, skills, abilities (KSA) and experience

Professional



Associate Professional



Practitioner



STRATEGIC PILLAR	LEAD BY	WEIGHT	ACTION PLANS	
Organizational Structure	Oman	20%	1.1	OIC-CERT members to establish a leading CERT as the “Point of Contact” for the coordinated efforts in mitigating cyber threats.
			1.2	OIC-CERT to provide the necessary support to members in establishing the national CERTs.
			2.1	Updates the OIC-CERT Business Plan.
			2.2	Monitor the progress of the OIC-CERT Business Plan activities.
International Cooperation	Oman	15%	3.1	Engagement / collaboration with international organization, peers, counter parts, academia and private industry to promote OIC-CERT cooperation in mitigating cyber incident among OIC-CERT members.
Standard and Regulations	Egypt & Iran	15%	4.1	Develop OIC-CERT cyber security policies, procedures and best practices.
			4.2	Ensure compliance to OIC-CERT cyber security policies, procedures and best practices.
Technical and Technology	Libya & Iran	20%	5.1	Establish a methodology for the sharing and enhancement of technical solutions and technologies among OIC-CERT members.
			5.2	Determine the effectiveness of the methodology for the sharing and enhancement of technical solutions and technologies among OIC-CERT members.
Capacity Building	Indonesia & Malaysia	20%	6.1	Establish specialized cyber security training programs for OIC-CERT members.
			6.2	Establish awareness on the cyber security capacity building program for OIC-CERT members.
			6.3	Measure the effectiveness of the training programs.
Promotion and Awareness	Nigeria	10%	7.1	Development of OIC-CERT promotional framework.
			7.2	Promoting OIC-CERT at regional and international levels.
Total weight		100 %		



Thank You

OIC-CERT Chair:

Oman National CERT – OCERT (Oman)
Information Technology Authority
P.O. Box - 1807
PC 130, Al Athaiba
Sultanate of Oman

cert@ita.gov.om

OIC-CERT Permanent Secretariat:

CyberSecurity Malaysia (Malaysia)
An Agency Under Ministry of Science, Technology &
Innovation
Level 5, Sapura@Mines
No. 7 Jalan Tasik, The Mines Resort City
43300 Seri Kembangan, Selangor Darul Ehsan, Malaysia

secretariat@oic-cert.org