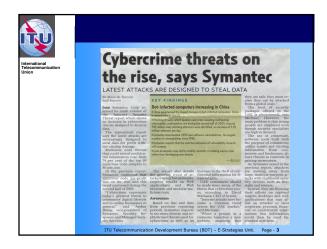


	Why are we doing it? – Mandate
International Telecommunication Union	 Decisions of ITU Member States adopted at the World Telecommunication Development Conferences (WTDC 2002 and 2006) – Istanbul and Doha Action Plans (IsAP) Programme 3. Outcome of the World Summit on the Information Society (WSIS) – Summit for Heads of States resulting in the Geneva Plan of Action and Tunis Agenda – ITU as sole moderator/facilitator in the implementation WSIS Action Line C.S. – Cybersecurity including cybercrime. Ethnae security and build confidence in the use of public networks for e- service/applications. Provide assistance to Member States in developing laws and model legislation for e- service/applications. Provide security confidence in the use of public networks for e- service/applications. Provide security confidence in the use of public networks for e- service/applications. Provide security confidence in the use of public networks for e- service/applications. Provide security confidence in the use of public networks using relevant technologies Develop tools to facilitate the exchange of best practices on T security, legal issues related on the areas of activity of lehering algorithe value-added the service/applications Is necessary to address the security concerns in order to leverage the potentials of public networks as vehicles for delivering offondel value-added e-service/applications Act as a facilitater for regional and interregional cooperation, and support appropriate capater/building activities at the regional level.
	ITU Telecommunication Development Bureau (BDT) - E-Strategies Unit. Page - 2





... but is cybercrime an issue for developing countries?

U Telecommunication Development Bureau (BDT) – E-Strategies Unit. Page - 4



developing countries are embarking on e-government, ebusiness and e-payment solutions. With no geographical borders in the information society,...*How vulnerable are (or will be) online users to phishing and identity theft?*

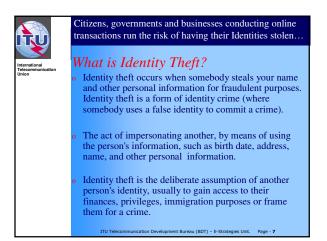
- Receiving online submissions to renew national identity cards: *Am I dealing with the owner of the identity card? How do I know this is really a government site?*Submitting confidential bids for government procurements: *Is the bid from a registered company?*
- Transmitting sensitive government documents online.
 Can an unauthorized person view the document?
 - How can access control be ensured?

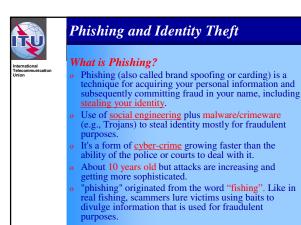
munication Development Bureau (BDT) – E-Strategies Unit



- Issuing birth certificates and land certificates via the Internet: Can a citizen assume another person's identity? What if that citizen then changes the owner field in a land certificate?
 Conducting online elections via the
 - Conducting online elections via the Internet – e-voting: How do we guarantee that this vote is from the legitimate (registered) user?

tion Development Bureau (BDT) – E-Strategies Unit. Page - 6





ITU Teler ation Development Bureau (BDT) – E-Strategies Unit. Page - 8



Phishing and Identity Theft

How is phishing perpetrated (typical scenario)? User receives Authentic-looking email - In a typical phishing attempt, you will receive an authentic-looking email message that appears to come from a legitimate organisation (bank, business partners or even your own employer). Email contains Link to a Website – Email will usually contains a link to a fake Website.

- User requested to click on the link to enter some information, or download a software (e.g., security update). Malware or crimeware downloaded from Website and is
- biastalled on user's computer. Downloaded software steals personal information using a wide range of techniques (e.g., Trojan-based keyloggers). Phishing can also be perpetrated via telephone (fixed and mobile) Instant Messaging, and it is also possible for you to be phished by postal mail or even in person.

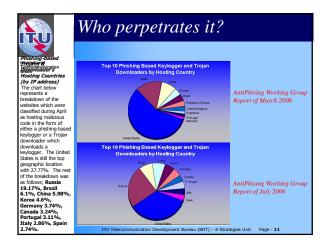
nication Development Bureau (BDT) - E-Strategies Unit. Page - 9

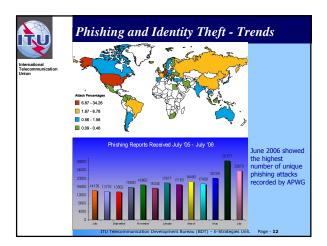


Who perpetrates it?

- Phishers or scam artists who send out millions of emails, realizing that even if only a few recipients give them enough identifying information, they can profit from the resulting fraud.
- Internet Service Providers who host phishing websites. According to APWG report of July 2006, USA still
- tops the list of countries hosting most of the web sites for phishing based keyloggers and Trojans.
- Between March and July 2006, APWG reports show a slight decrease in hosted websites in the US, decrease in Spain and China but significant growths in Portugal, Russia and Brazil. What happened???
- It is very likely that without efforts to combat this problem, more developing countries would be hosts to phishing sites.

ITU Tel ment Bureau (BDT) – E-Strategies Unit. Page - 10





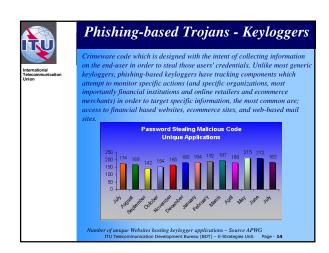


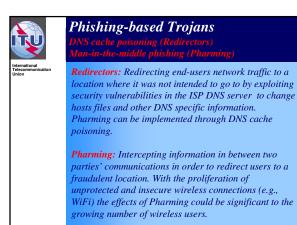
Phishing and Identity Theft

Who is (or will be) affected by phishing?

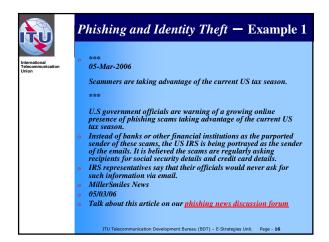
- Popular targets are users of online services. Any Internet users who's email or other personal records have been made availeable on any public forum or online service (e.g., e-government, e-business and ebanking).
- More online users in developing countries will be victims of phishing as countries embark on initiatives in e-government, e-business, e-banking and e-payments.
- Anyone who has personal information that can be used for online fraud is a potential victim of phishing. *Example: More than 26 million US veteran records were stolen. Even if these veterans are not all online users, their identities can still be used for online fraud.*

ITU Telecommunication Development Bureau (BDT) – E-Strategies Unit. Page - 13





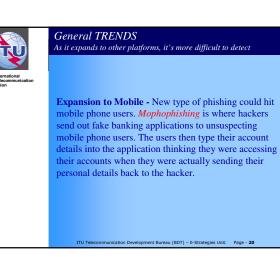
ITU Telecommunication Development Bureau (BDT) – E-Strategies Unit. Page - 15

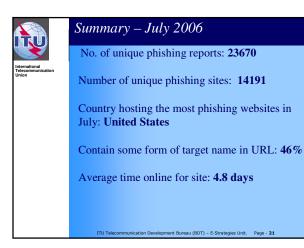


	Phishing and Identity Theft – Example 2
International Telecommunication Union	From: abuse@itu.ch [<u>mailto:abuse@itu.ch]</u> Sent: Wednesday, June 14, 2006 9:08 PM To: Prasad, Pradeep Subject: Account Alert
-	Dear Valued Member, According to our terms of services, you will have to confirm your e- mail by the following link, or your account will be suspended within 24 hours for security reasons. http://www.itu.ch/confirm.php?account=pradeep.prasad@itu.ch <htps: confirm.php?account="pradeep.prasad@itu.ch<br" www.itu.ch=""><htps: confirm.php?account="pradeep.prasad@i</th" www.itu.ch=""></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:></htps:>
	Sincerely, ITU Abuse Department ITU Telecommunication Development Bureau (BDT) - E-Strategies Unit. Page - 17











Could Affect various <u>Sectors</u> Knows No <u>Geographical</u> or Time barriers More and more <u>Sophisticated</u> More than 90% linked to Websites Average duration of website <u>5 days</u>

Telecommunication Development Bureau (BDT) – E-Strategies Unit. Page - 2



CONCLUSION

Even though Internet penetration and usage are still relatively low in some countries in this subregion, now is the time to start taking seriously the challenges brought about by cybercrime as countries increase their reliance on ICTs for social and economic development and as they embark on efforts to build ICT platforms some of which will be delivering critical services to businesses and citizens. In addition to legislation and enforcement

mechanisms, **identity management and** verification is a <u>vital</u> technology solution in the fight against phishing and identity theft.



Thank You for Your Attention For further information:

http://www.itu.int/ITU-D/e-strategies e-strategies@itu.int