

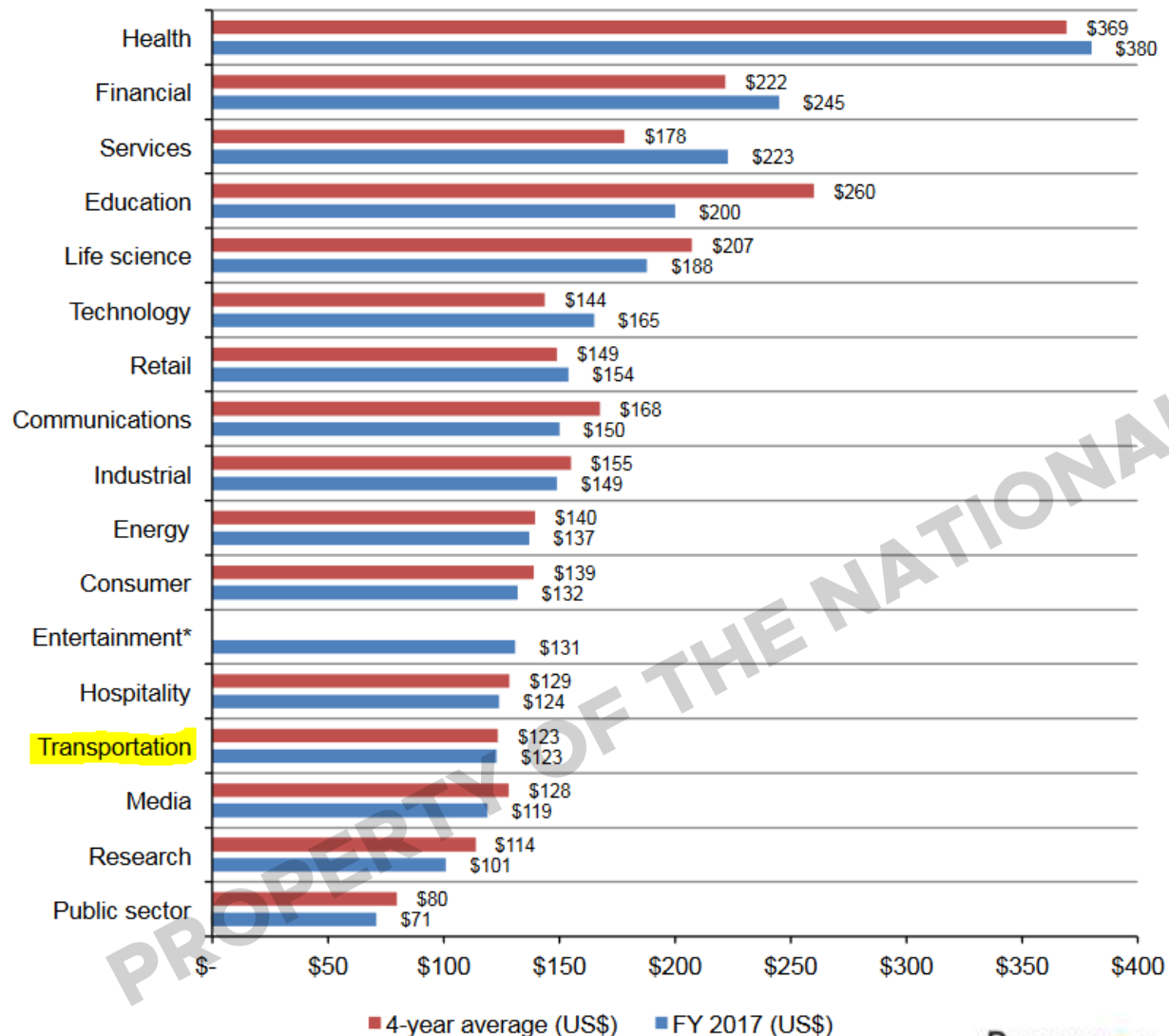


The Role of Privacy in the Transportation Sector

Elisa May Cuevas
Executive Director IV
National Privacy Commission

Figure 5. Per capita cost by industry classification

*Historical data are not available for all years
Measured in US\$



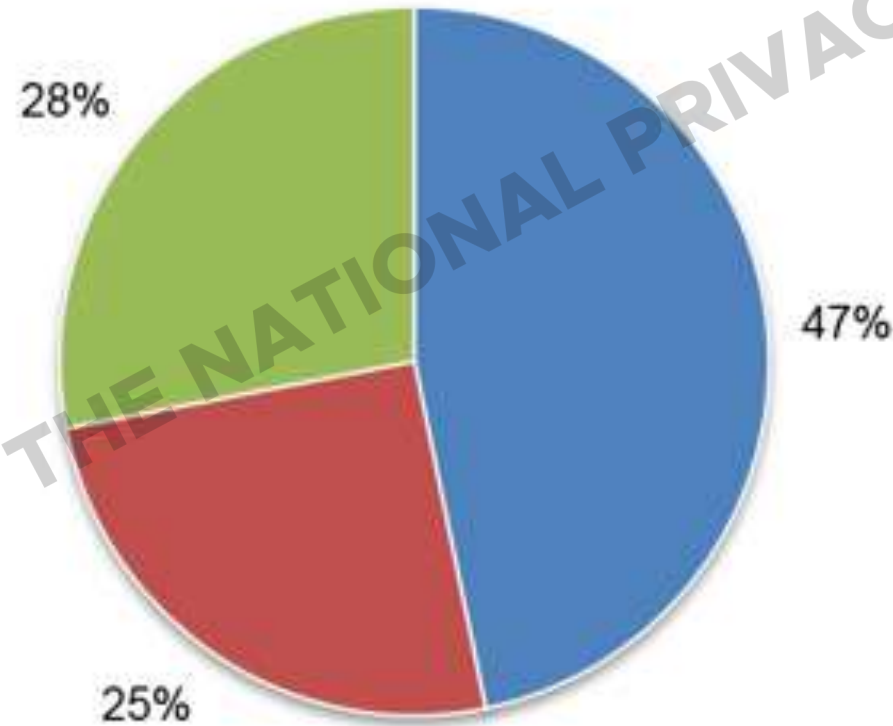
The Bigger role of Data Privacy in the Transportation industry

...privacy reaches far beyond simple confidentiality – which is crucial in the transportation sector as the data collected may often lead to actual or perceived privacy violations.

Root cause of Data Breach

Malicious or criminal attacks cause the most data breaches.⁷ Pie Chart 2 provides a summary of the main root causes of data breaches on a consolidated basis for organizations in all countries. Forty-seven percent of incidents involved a malicious or criminal attack, 25 percent were due to negligent employees or contractors (human factor) and 28 percent involved system glitches, including both IT and business process failures.⁸

Pie Chart 2. Distribution of the benchmark sample by root cause of the data breach



47 % External

53 % Internal

Malicious Attack

System Glitch

Human Error

May 15, 2018

Rail Europe North America discloses breach of e-commerce IT platform

Bradley Barth



U.S. residents who purchased European train tickets through Rail Europe North America (RENA) may be affected by a nearly three-month data

breach/compromise of its e-commerce websites' IT platform that started late last year.

In an April 30 [breach notification](#) submitted to the California Attorney General's Office – officially posted on May 8 – the ticket distributor reports that unauthorized individuals had access to the platform from Nov. 29, 2017 to Feb. 16, 2018.

<https://www.scmagazine.com/home/news/data-breach/rail-europe-north-america-discloses-breach-of-e-commerce-it-platform/>

EDITION: AS

ZDNet



SECURITY CLOUD INNOVATION CXO HARDWARE MORE NEWSLETTERS ALL WRITERS

JUST IN: Internet Architecture Board warns Australian encryption-busting laws could fragment the internet

130K users' data leaked via China's train ticketing site

Data including usernames, passwords, and e-mail addresses belonging to customers of China's official online train ticketing site, 12306.cn, have been leaked, according to an IT security vendor.



By Eileen Yu for By The Way | December 26, 2014 -- 07:07 GMT (15:07 GMT+08:00) | Topic: Security

<https://www.zdnet.com/article/130k-users-data-leaked-via-chinas-train-ticketing-site/>

Star Business Journal

Uber says 815,000 Canadians affected by data breach as formal investigation opened

By IAN BICKIS The Canadian Press
Mon., Dec. 11, 2017

<https://www.thestar.com/business/2017/12/11/privacy-commissioner-to-investigate-uber-data-breach.html>



<https://blog.varonis.com/the-world-in-data-breaches/>

How is Data Privacy Relevant to us?

JUST IN: Internet Architecture Board warns Australian encryption-busting laws could fragment the internet

130K users' data leaked via China's train ticketing site

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中国铁路客户服务中心
www.12306.cn是中国铁路客户服务中心唯一网站。截止目前，没

客服热线：12306

2018年9月11日 星期二 首页 春运服务 铁路畅行 餐饮·特产 行包服务 旅游超市 车站引导 铁路常识 站车风采 客户信箱

最新动态

为保障您顺畅购票，请下载安装根证书。

- 关于广深港高铁跨境列车车票预售的公告 (2018-09-07)
- 关于港澳台居民居住证、外国人永久居留身份证在12306网站(含12306... (2018-09-09)
- 关于微信方式发送购票通知和服务的使用说明 (2017-12-26)
- 关于12306网站新增微信支付服务功能的公告 (2017-11-22)
- 接续换乘和选座功能使用说明 (2017-10-12)
- 公告 (2015-12-01)
- 关于调整互联网、电话订票起售时间的公告 (2014-11-26)

全文搜索: 请输入搜索条件 搜索

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铁路货运 法律法规及规范性文件

我要发货 中国铁路货运电子商务平台

余票动态信息 网上购票常见问题 铁路常识 铁路旅客失信信息

“All we do is move stuff around.”

“We don’t make anything so it’s not like we have any designs or plans to steal.”

“We only work with corporates, so we don’t hold credit card information.”

Global Data Breach Statistics



7 Million
Data Records
Compromised
Every day

56
records
Compromised
Every Second

3.26
Million dollars
Average cost of
data breach

Countries with Highest Number of Stolen Identities



CHINA
11,344,346

Major Breaches



China.org.cn 

Online Train Ticket Service




CANADA
72,016,746

Major Breaches





Uber



UNITED STATES
791,820,040

Major Breaches



RAIL EUROPE
Rail Europe North America

To **remain in business** and become a trusted delivery partner, organisations need to **demonstrate that these risks have been considered** and effective controls are in place to address them.

As the latest round of cyber incidents underline, no company (transport and logistics included) can assume they're outside of the firing-line.

NotPetya Ransomware Attack Cost Shipping Giant Maersk Over \$200 Million



Lee Mathews Contributor ⓘ

Security

Observing, pondering, and writing about tech. Generally in that order.



Maersk CEO now sees the good side of the incident

"It was an important wake-up call," he said. "We were basically average when it comes to cyber-security, like many companies. And this was a wake-up call to become not just good—we actually have a plan to come in a situation where our ability to manage cyber-security becomes a competitive advantage."



SECURITY



Impact on Data

- A breach is the unauthorized acquisition, access, use, or disclosure of protected information, which compromises the security or privacy of such information
- ❖ Confidentiality
 - ❖ Integrity
 - ❖ Availability

Governance of the unauthorized



PRIVACY

Impact on people

A personal data breach refers to a breach of security leading to the accidental or unlawful

- ❖ Collection
- ❖ Use
- ❖ Storage
- ❖ destruction, loss, alteration, unauthorized disclosure of, or access to, personal data transmitted, stored, or otherwise processed

Governance of the authorized

Personal Information
Sensitive Personal Information

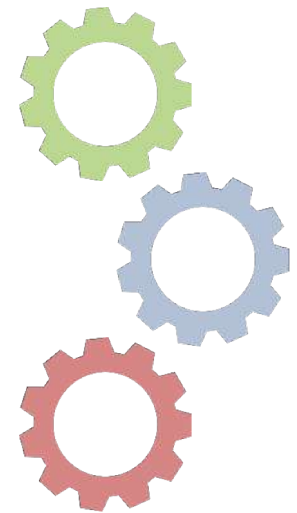
Building Privacy Resilience In your workplace



Organizational Measures

Physical Measures

Technical Measures



Organizational Measures



- **Policy, Procedures guidance & Training**

Measures to be implemented across the organizational structure.

Organizational Measures

Collection Policy

Acceptable Use Policy

Disposal Policy

Storage Policy

Clear Desk Policy



Collection Policy

CS FORM 117 (Revised 2008)

PERSONAL DATA SHEET

Print legibly. Mark appropriate boxes with and use separate sheet if necessary. 1. CE ID No. Refer Website by CSO

I. PERSONAL INFORMATION

2. SURNAME			
FIRST NAME			
MIDDLE NAME		(If NAME EXTENSION (e.g. Jr., Sr.))	
4. DATE OF BIRTH (mm/dd/yyyy)		10. RESIDENTIAL ADDRESS	
6. PLACE OF BIRTH		17. TELEPHONE NO.	
8. SEX <input type="checkbox"/> Male <input type="checkbox"/> Female		18. PERMANENT ADDRESS	
7. CIVIL STATUS <input type="checkbox"/> Single <input type="checkbox"/> Widowed <input type="checkbox"/> Married <input type="checkbox"/> Separated <input type="checkbox"/> Annulled <input type="checkbox"/> Others, specify _____		19. TELEPHONE NO.	
8. CITIZENSHIP		20. E-MAIL ADDRESS (if any)	
9. HEIGHT (ft)		21. CELLPHONE NO. (if any)	
10. WEIGHT (kg)		22. AGENCY EMPLOYEE NO.	
11. BLOOD TYPE		23. TIN	
12. OSS ID NO.			
13. PAS-BIG ID NO.			
14. PHILHEALTH ID			
15. OSS NO.			

II. FAMILY BACKGROUND

24. SPOUSE'S SURNAME		26. NAME OF CHILD (Please list name and sex all)		DATE OF BIRTH (mm/dd/yyyy)	
FIRST NAME					
MIDDLE NAME					
OCCUPATION					
EMAIL OVERBUSINESS NAME					
BUSINESS ADDRESS					
TELEPHONE NO.					
<i>(Continue on separate sheet if necessary)</i>					
25. FATHER'S SURNAME					
FIRST NAME					
MIDDLE NAME					
27. MOTHER'S MARRIED NAME					
SURNAME					
FIRST NAME					
MIDDLE NAME					
<i>(Continue on separate sheet if necessary)</i>					

III. EDUCATIONAL BACKGROUND

28. LEVEL	NAME OF SCHOOL (Write in full)	DEGREE COURSE (Write in full)	YEAR GRADUATED (if graduated)	HIGHEST GRADES LEVEL UNITS EARNED (if not graduated)	INCLUDE DATES OF ATTENDANCE		SCHOLARSHIP ACHIEVED/HONORS RECEIVED
					From	To	
ELEMENTARY							
SECONDARY							
VOCATIONAL / TRADE COURSE							
COLLEGE							
GRADUATE STUDIES							

(Continue on separate sheet if necessary)

Page 1 of 4

Acceptable Use Policy



Disposal Policy



Storage Policy



Clear Desk Policy



Physical Measures

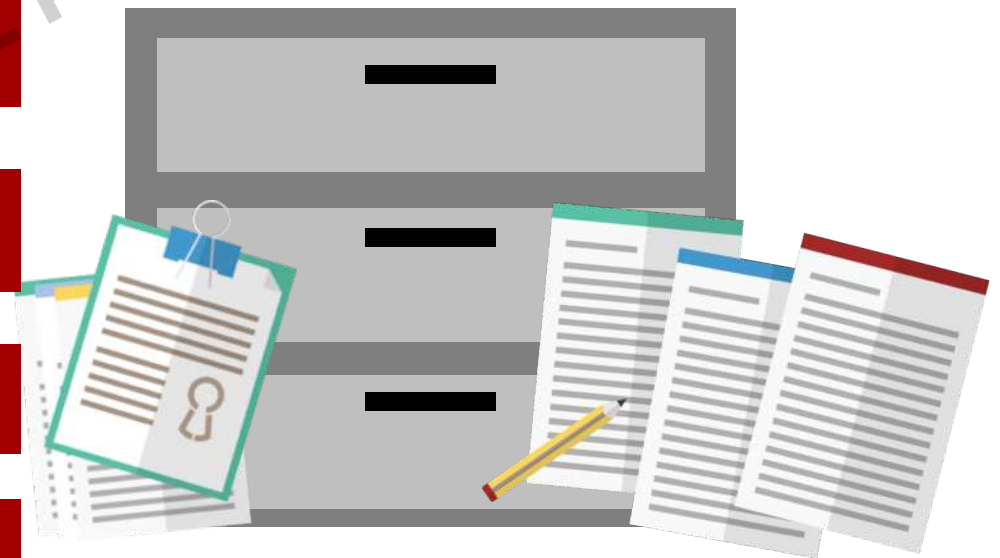
Storage of Personal Data

Files Under Lock and Key

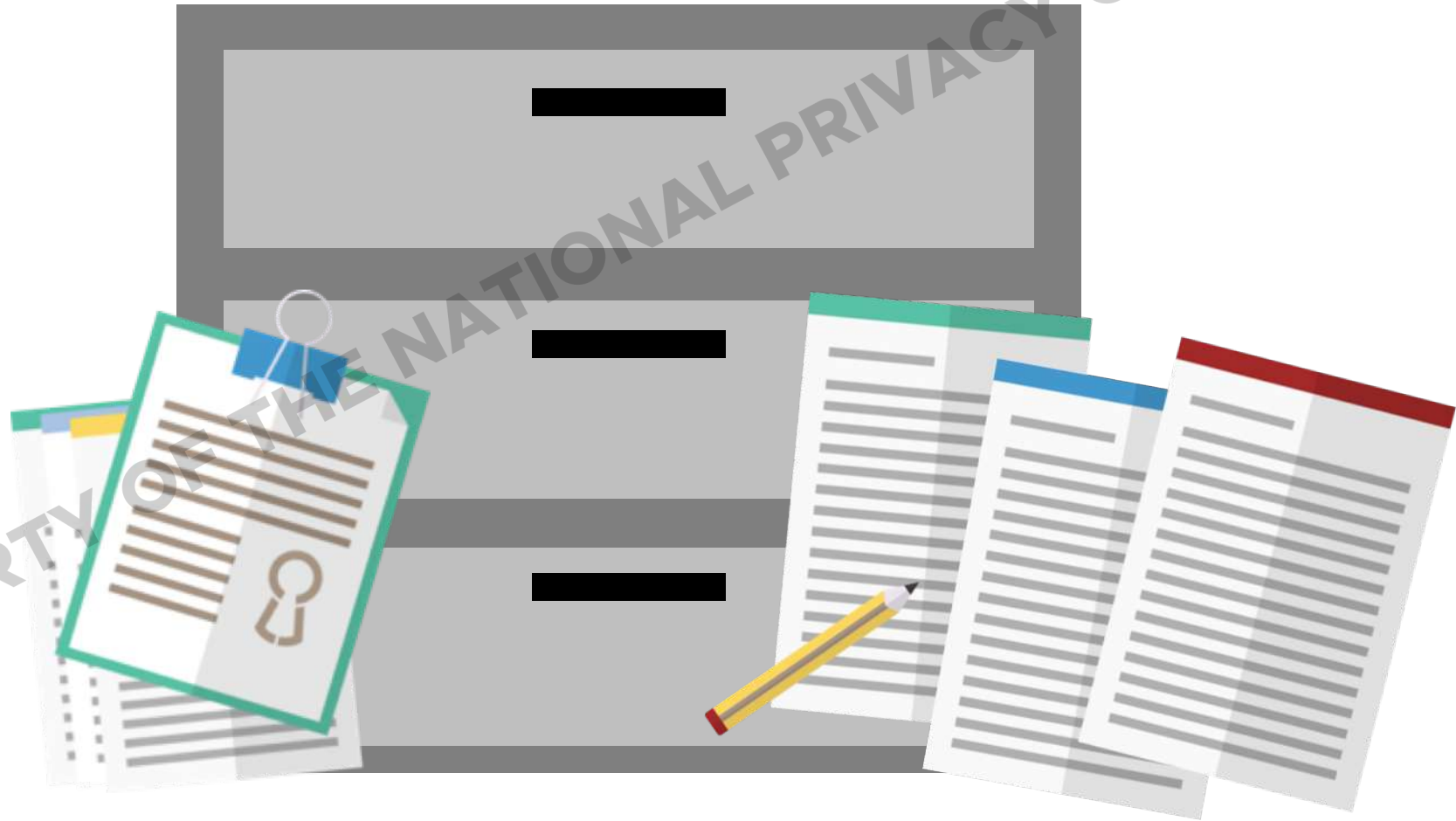
Shred Paper Files

Lock Servers and Networks

ID user Access



Storage of Personal Data



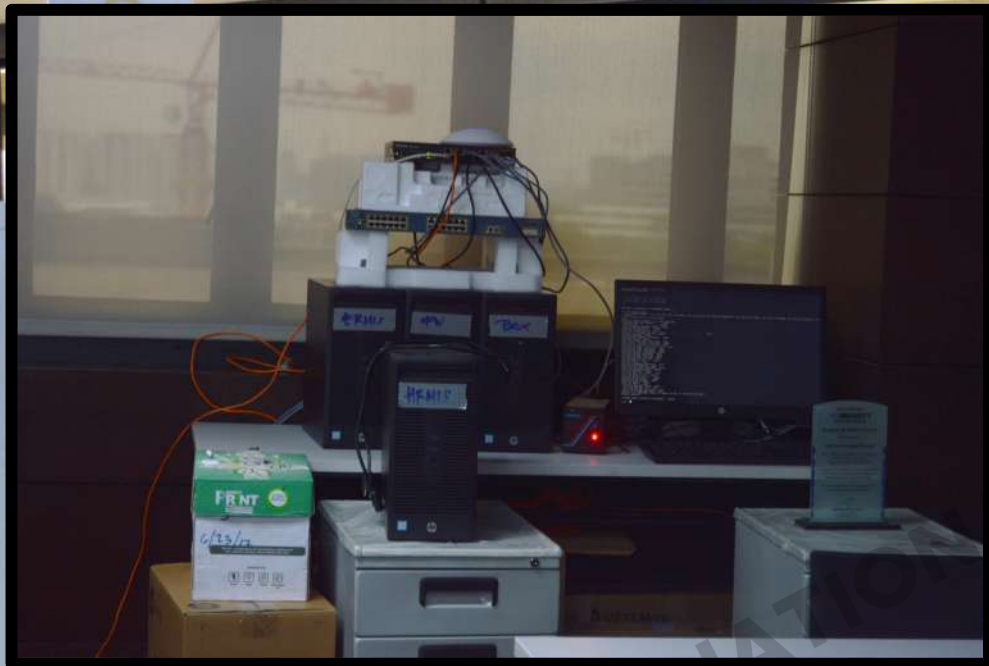


Files under lock and key or in a secure area.



PROPER USE OF THE NATIONAL PRIVACY COMMISSION

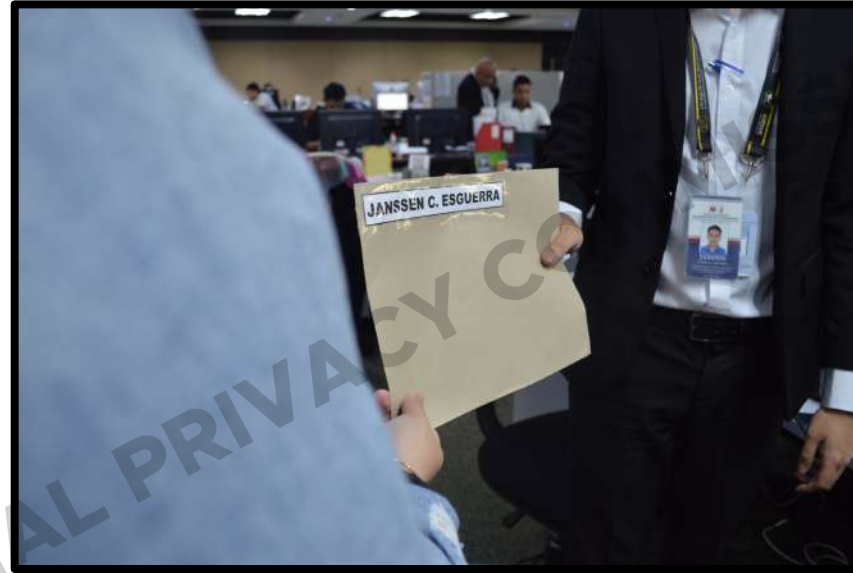
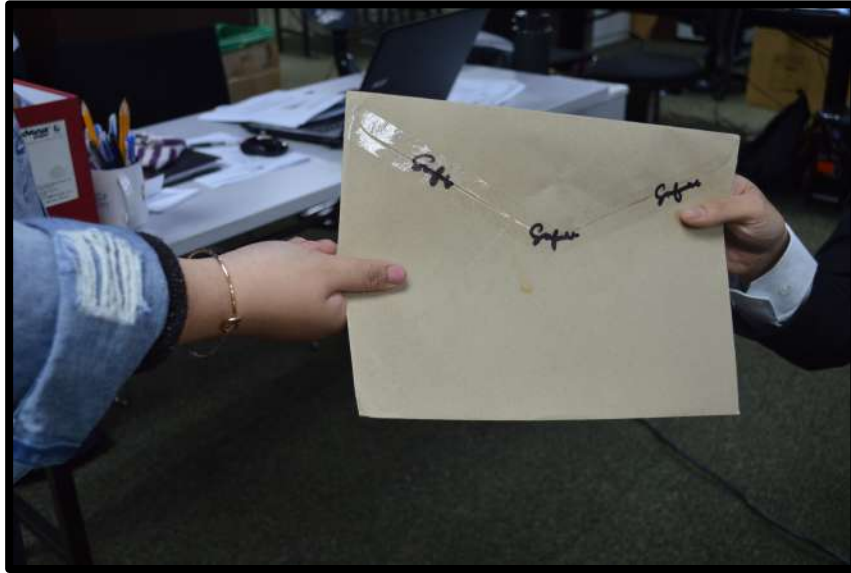
Shred the paper files



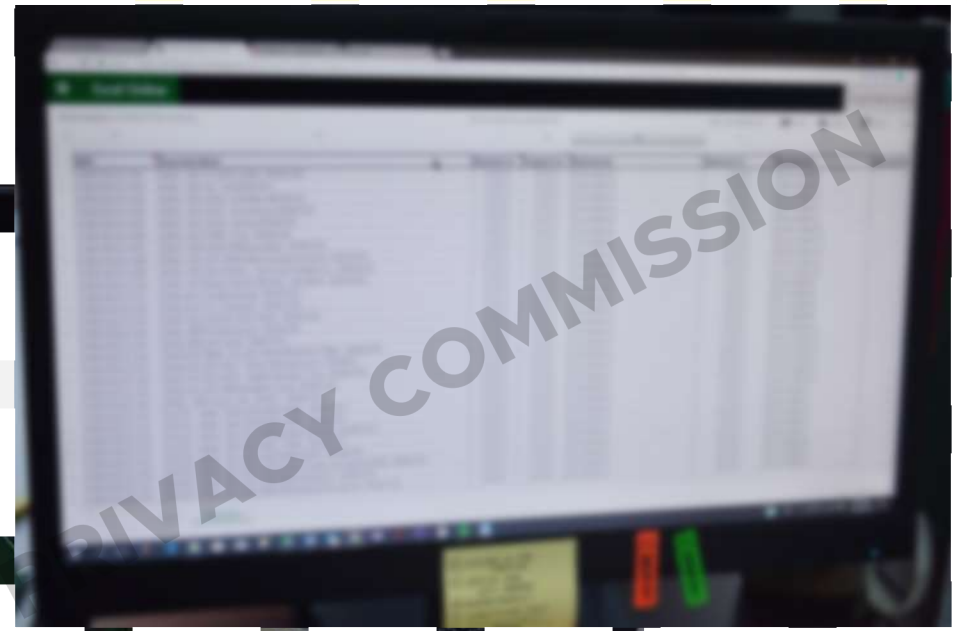
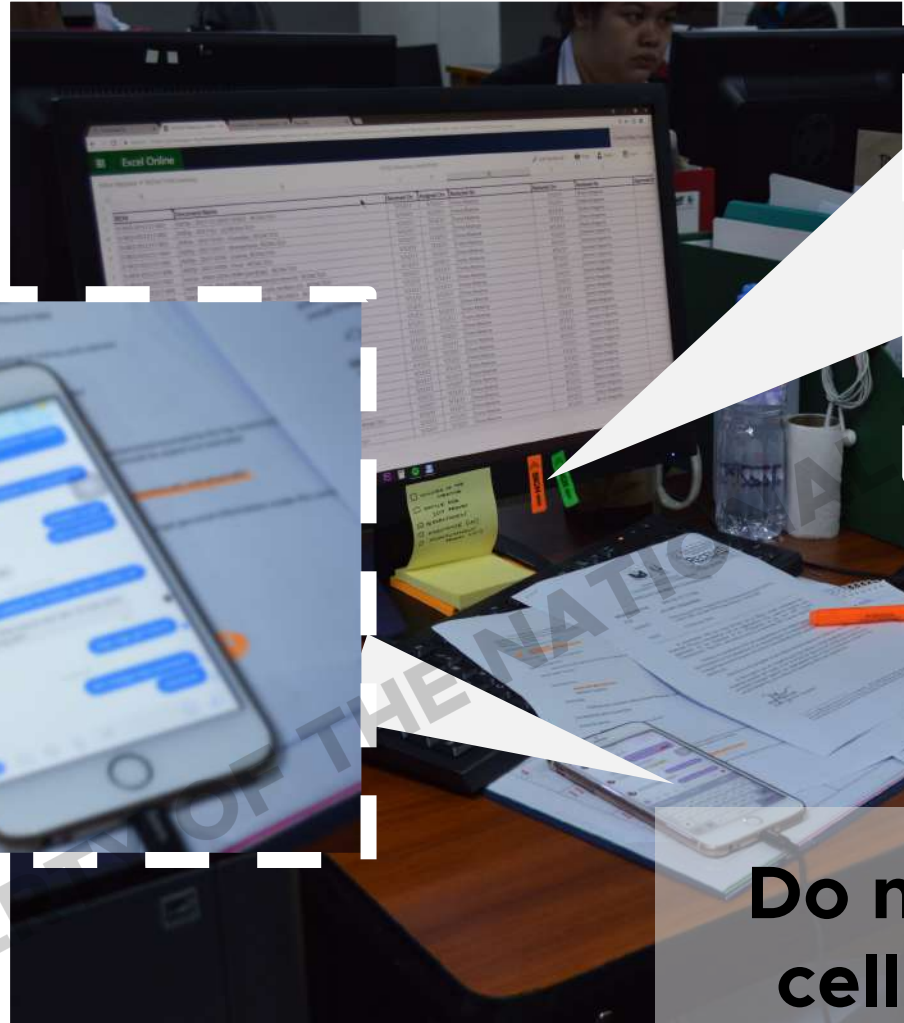
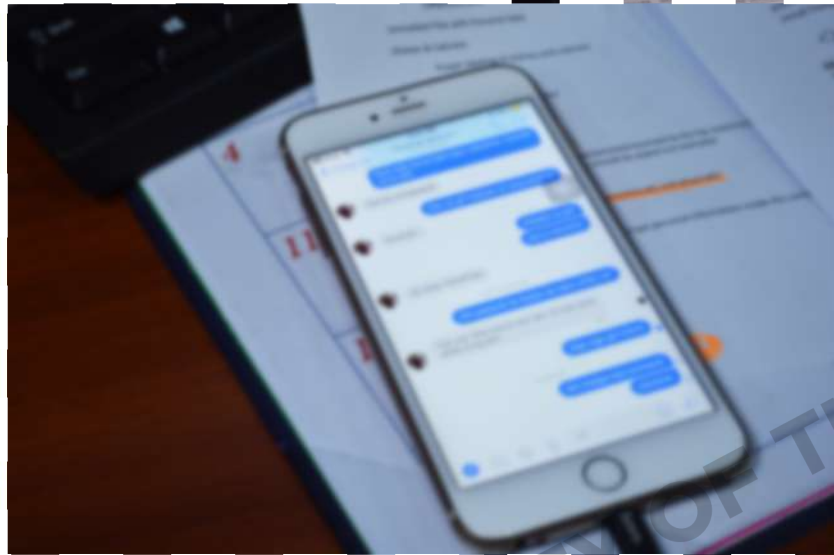
Keep servers and network switch boards in a locked room and control access to it.



ID as user access

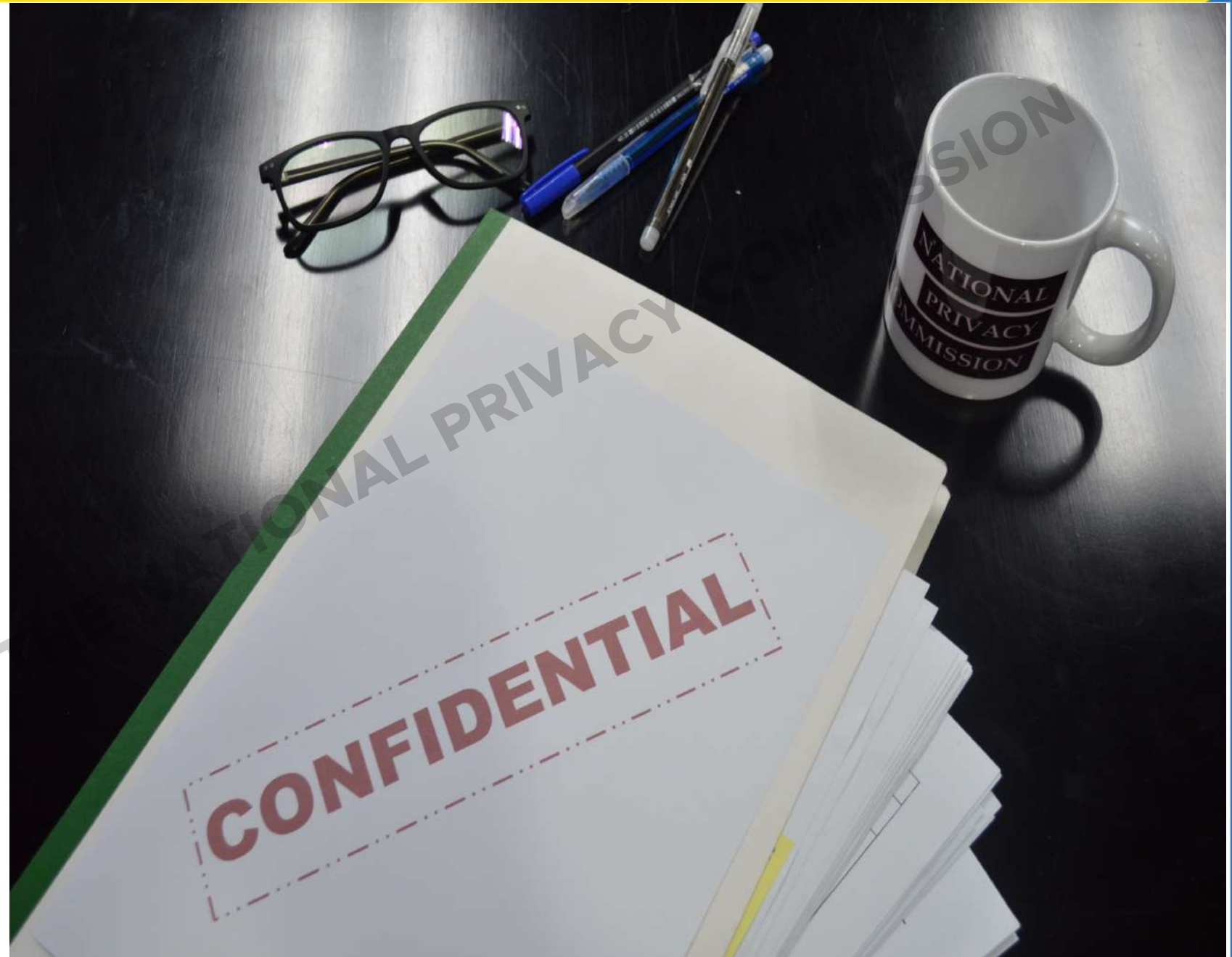


Mail marked “private and confidential” if intended for the eyes of the addressee only.



**Do not leave computers and
cellphones unlocked in the
workspace**

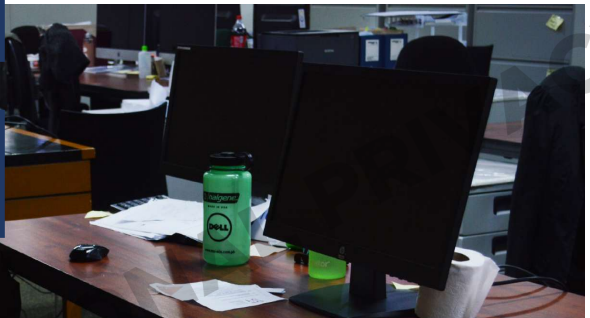
Label files with
personal
information
“Confidential”





Find the
Identity
exposures in
the picture.

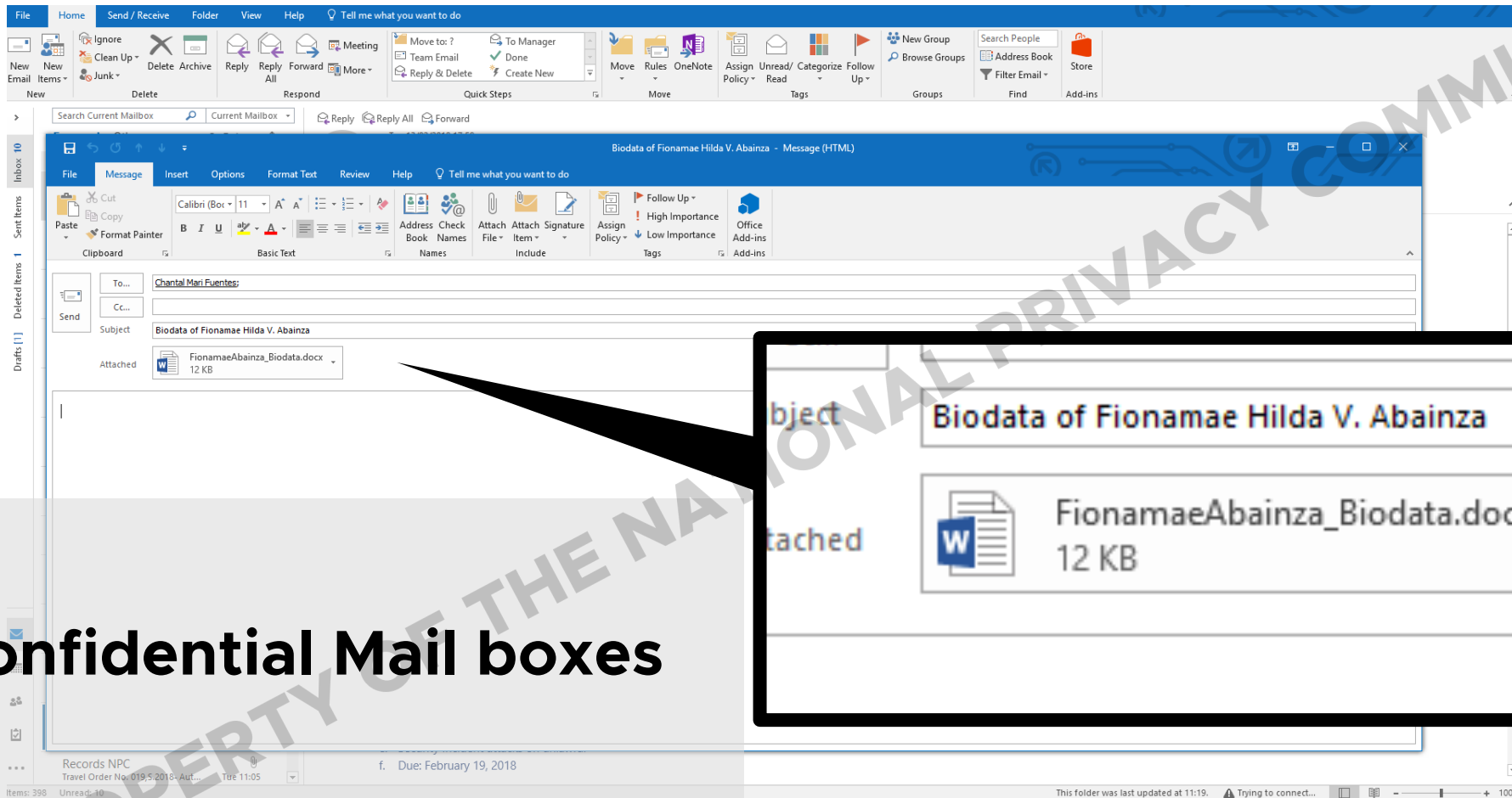


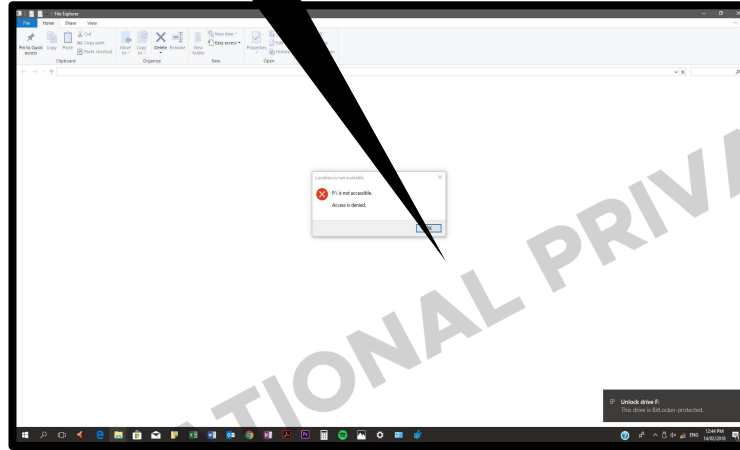
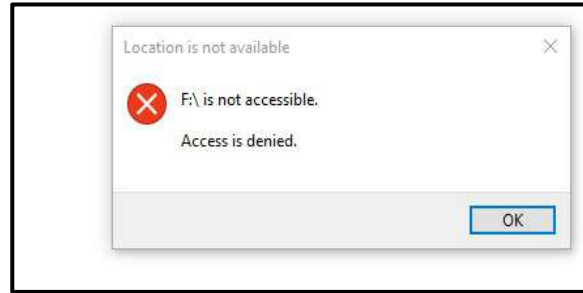


Technical Measures



Confidential Mail boxes





The use of password protected device, e.g. password protected USB flash drives

Log In

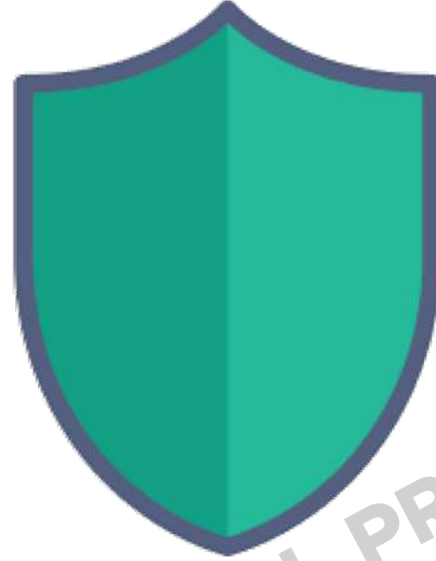
User ID:

Password:

Show Hint:

SUBMIT

Each employee should have his own user ID. They should be treated like office keys and not shared or compromised in any way.



A secure network should include an effective firewall and antivirus to keep out unwanted connections.



LOG IN

The use of encryption

PROPERTY OF THE NATIONAL PRIVACY COMMISSION

Top Data Protection threats for Transportation and Logistics Sector

- **Advanced persistent threats (APTs) and increased use of mobile devices**
 - **Security talent shortage**
 - **Breaches are frequent; processes are flawed**
 - **Outsourcing is on the rise**



Thank you!

**5th Flr., Philippine International
Convention Center, PICC Complex,
1307 Pasay City**

info@privacy.gov.ph