

# 我們與弱點管理的距離

加入 CNA Program 以及  
處理 PSIRT 弱點事件的實戰經驗

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# Key Takeaways

1

## PSIRT

我們發展 PSIRT 面對的挑戰和解方

2

## CNA

我們對於加入 CNA 的看法，以及加入後的觀點

3

## SDL

從回應弱點到預防弱點

# Who We Are



## Robert Lai

**Lead Cybersecurity Engineer**

**Moxa 資安技術經理**

主導 Moxa PSIRT 發展的品質與技術窗口  
導入安全產品開發流程 ( IEC 62443 Part 4 )  
建立跨組織合作的資安政策與程序



## EJ Feng

**Senior Cybersecurity Engineer**

**Moxa 資深資安工程師**

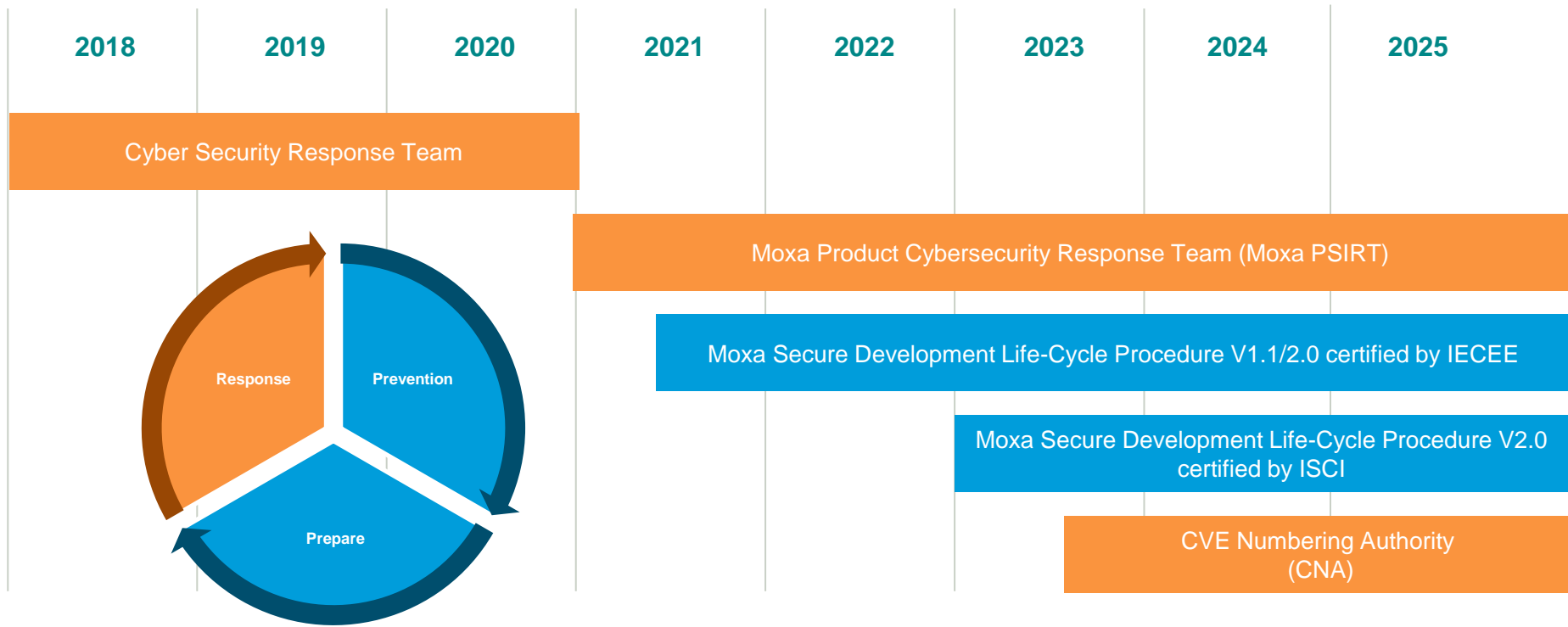
負責 Moxa PSIRT 與 CNA 弱點處理流程  
協助 Moxa 成為台灣第 8 個 CVE 編號管理者  
(CVE Numbering Authority, CNA)

# PSIRT

我們發展 PSIRT 面對的挑戰和解方



# 資安發展里程碑



# 從回應資安事件轉換到滿足市場需求

## V1.0: CSRT (Cyber Security Response Team)



### Reason for establishment

Cybersecurity issue raised from ICS-CERT, NIST or other IT vulnerability



### Development Strategy

Quick response to market once any cybersecurity issue raised



### Achievement

Build 4 step process: Awareness, Investigation, Action, Response



### Challenge

Risk assessment and vulnerability reproduction

## V2.0: PSIRT (Product Security Incident Response Team)



### Reason for establishment

Establishing a scalable and **market-expected** vulnerability response process.



### Development Strategy

As a feedback loop for the **SDL process**. **Experts guide** the team in addressing vulnerabilities from both a reactive and proactive perspective.



### Achievement

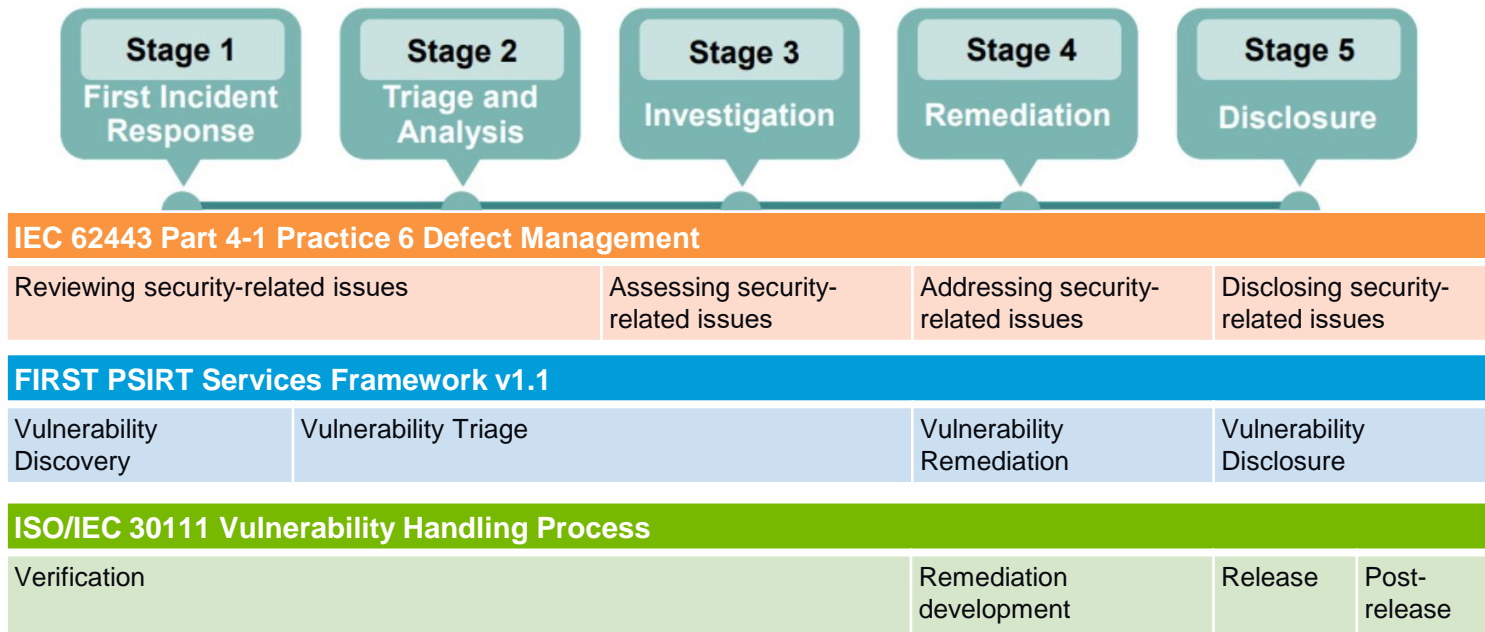
Respond to vulnerability reports from the client side. **Management** policies and processes for reinforcing vulnerability reproduction to vulnerability remediation verification.



### Challenge

Vulnerability management of **third-party components**.

# 基於標準發展的弱點管理政策



# Product Security Incident Response Team 的日常

Awareness



Active Management

Vulnerability Fixes



Security Advisory



## Our Insight



### 最大的挑戰

一邊開車，一邊修車



### 面對挑戰的解方

對齊使命和願景，課題分離



### 發展策略

先解決大家的痛點、再處理自己的議題

# CNA

我們對於加入 CNA 的看法，  
以及加入後的觀點



# CNAs – PSIRT 團隊的全球肯定

- Moxa PSIRT 於 2023 年 5 月正式成為台灣第 8 個 CNA，歸屬於美國 CISA (Root CNA) 管理下的 CNAs。



**CVE** About Partner Information Program Organization Downloads Resources & Support

Enter CVE ID (CVE-YYYY-NNNN) Find

Find CVE Records by keyword.

## Moxa Added as CVE Numbering Authority (CNA)

Links that redirect to external websites [↗](#) will open a new window or tab depending on the web browser used.

News 2023年5月16日

Moxa Inc. is now a [CVE Numbering Authority \(CNA\)](#) for Moxa products only.

To date, 292 organizations from 36 countries have partnered with the CVE Program. CNAs are organizations from around the world that are authorized to assign [CVE Identifiers \(CVE IDs\)](#) and publish [CVE Records](#) for vulnerabilities affecting products within their distinct, agreed-upon scope, for inclusion in first-time public announcements of new vulnerabilities.

Moxa's Root is the [CISA ICS Top-Level Root](#).

[Provide feedback for this page ↗](#)

Source: <https://www.cve.org/Media/News/item/news/2023/05/16/Moxa-Added-as-CNA>

Currently, there are only 367 organizations worldwide recognized as CNAs, with the majority in the USA (192), followed by China (22) and Germany (15). Taiwan currently has 9 CNAs.



<https://www.cve.org/ProgramOrganization/CNAs>

# 跨出舒適圈的第一步

我們想加入 CNA 的原因



人力資源  
到位



自己 CVE  
自己發



加入國際  
組織



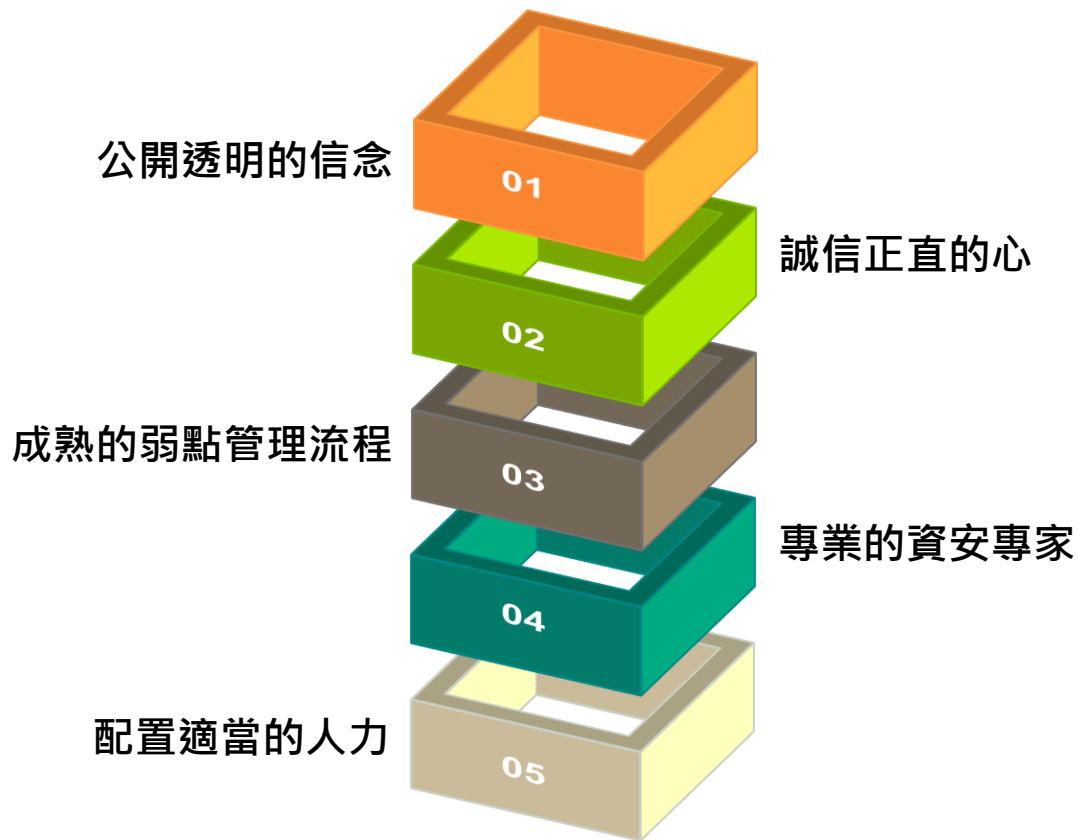
弱點管理  
新境界



帶給客戶  
更多的安  
心感



# 成為 CNA 之前要準備好的 5 件事



# CNA 申請的過程，不會很久

## 我們加入 CNA 的過程

VINCE 協作



CISA 邀請

遞交申請



資料研讀

面試



筆試

通過



(以 Root CNA 是 CISA 為例)



# **CVE® Numbering Authority (CNA) Operational Rules**

**Version 4.0**

Effective August 8, 2024

Approved by CVE Board on May 8, 2024

責任

一定要遵守 CNA Rules

# 成為 CNA 之後

實現 CVE 自由？

## 權利

- 在自己負責的範圍發 **CVE**
- 別的 **CNA** 不可侵犯你的領域
- 自行管理 **CVE** 資料
- 參加 **CNA** 活動

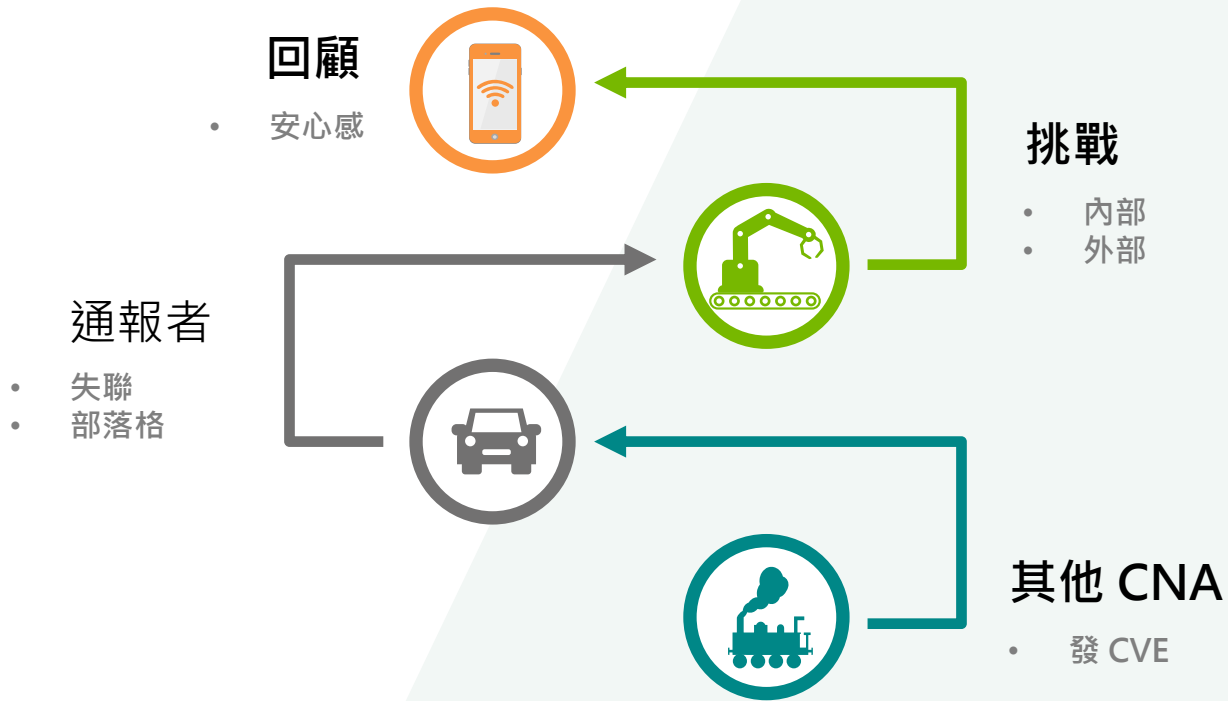
## 義務

- 不可以吃案 (誠信正直)
- 弱點揭露 (公開透明)
- 更及時的回應
- 積極與通報者溝通



# 成為 CNA 之後

有趣的小故事分享



# SDL

從回應弱點到預防弱點



# 從被動回應到主動預防

## SDL Process



### Reason for establishment

More and more demands are coming from the external.



### Development strategy

Treating the evidentiary activities as short-term goals, learning from implementation.



### Achievement

Certified products and processes

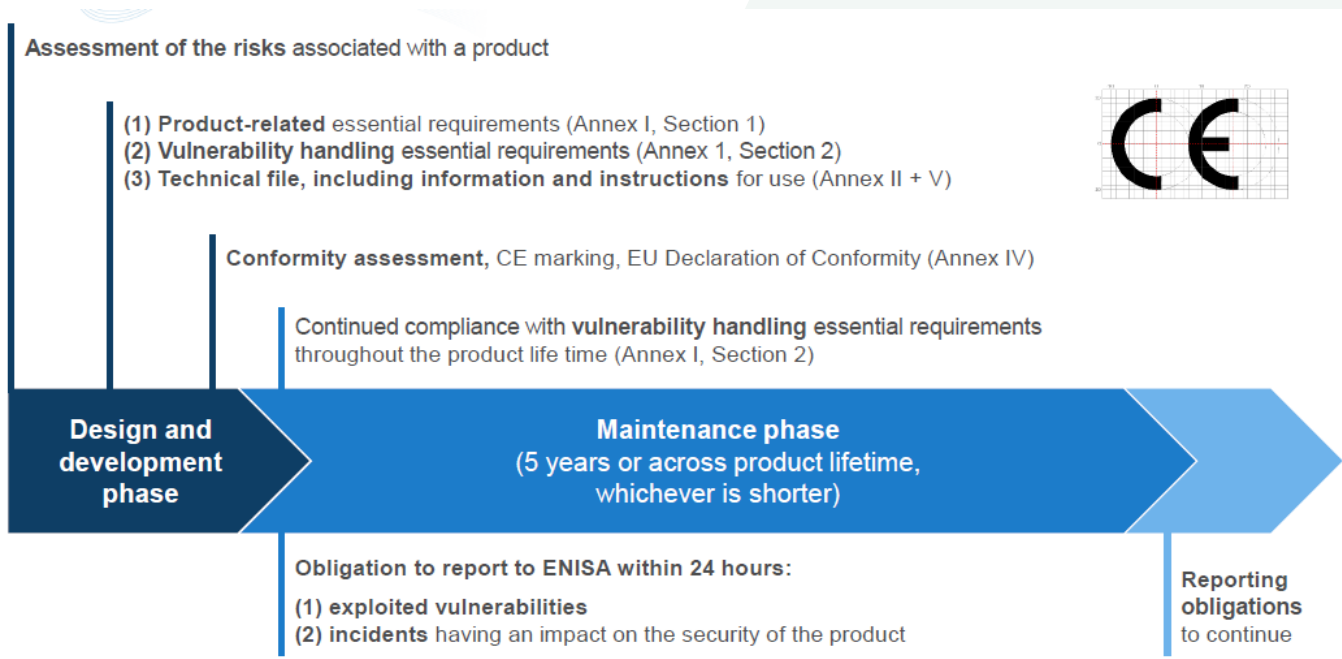


### Challenge

Legacy products

# The Upcoming Challenges

## Cyber Resilience Act and other regulations



Source: 01Policy-0 - DG CNECT - Cyber Resilience Act and NIS2.pdf ([europa.eu](https://eura.europa.eu/eura-portal/en/01Policy-0-DG-CNECT-Cyber-Resilience-Act-and-NIS2pdf))

# Review Key Takeaways

1

## PSIRT

在策略規劃的節奏下，陪伴團隊（包含 PSIRT）成熟

2

## CNA

成熟的弱點管理心態

3

## SDL

取得小規模的勝利，再擴大戰果

# Thank You

