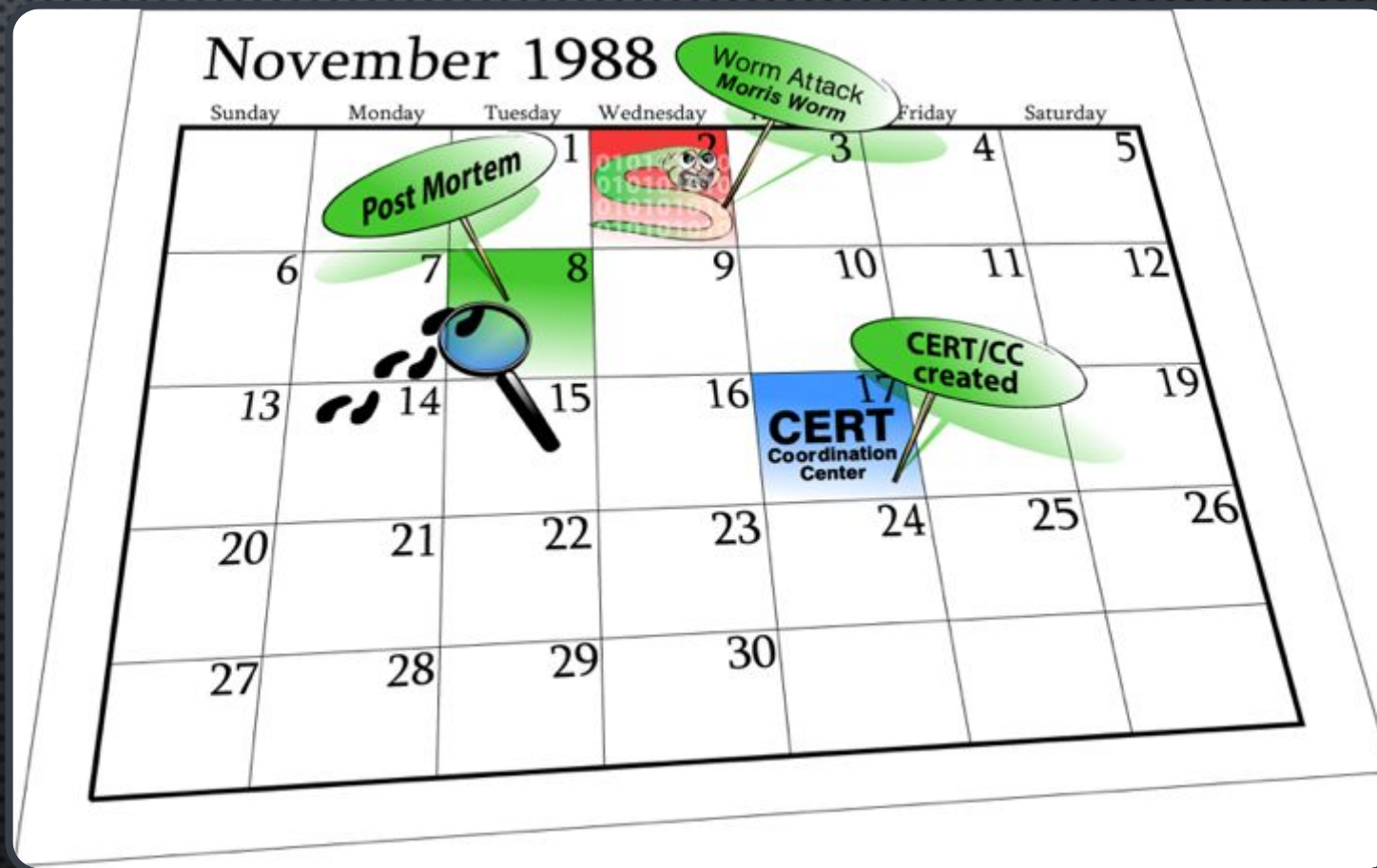


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FULL CIRCLE: ROLE
OF CERT/CSIRT
AFTER 35 YEARS.

MORRIS WORM AND THE FIRST CSIRT WAS MADE

- A CSIRT IS LIKE "FIRE BRIGADE, FIRE FIGHTER" (ENISA 2008)



NORM AGREED BY STATES

- 11 RECOMMENDATION OF UNGGGE REPORT (JULY 2015)
 - (k) STATES SHOULD NOT CONDUCT OR KNOWINGLY SUPPORT ACTIVITY TO HARM THE INFORMATION SYSTEMS CSIRTs OF ANOTHER STATE.
 - STATE SHOULD NOT USE CSIRTs TO ENGAGE IN MALICIOUS INTERNATIONAL ACTIVITY.
 - QUASI-DIPLOMATIC FUNCTION.

WHAT PEOPLE EXPECT TO CSIRT COMMUNITY

- ADDITIONAL ROLES SUCH AS ...
 - ATTRIBUTION
 - CENSORSHIP
 - SURVEILLANCE
 - OFFENSIVE CYBER
- WORK AS INFORMATION SHARING CLEARING HOUSE (EU NIS DIRECTIVE, 2018)
- CSIRTS "SHOULD NOT BE PART OF AN INTELLIGENCE OR LAW ENFORCEMENT AGENCY" AND "SHOULD NOT ENGAGE IN CONTROL OF CONTENT AND THE CENSORSHIP OF FREE SPEECH, NOR COLLECT DIGITAL INTELLIGENCE" (MORGUS ET AL, 2015)

BACK TO FRAMEWORK:
SOC, CERT/CSIRT AND THEN CYBER
DEFENSE CENTER

SECRET RECIPE TO PROTECT THE GAME IN 2021



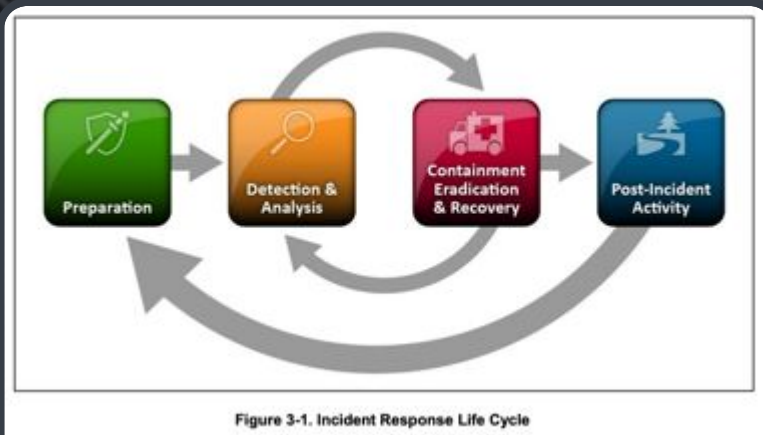


ISSUES JAPAN FACED:

1. ONLY FOUR YEARS TO PREPARE
2. DIFFERENT WORK STYLE, ORGANIZATION STRUCTURE, LACK OF COMMON TERMINOLOGY
3. PEOPLE COME AND GO

FRAMEWORK HELPED US:

1. A JUMP START
2. MORE COMPREHENSIVE APPROACH



NIST SP800-61 REV2

- PUBLISHED IN 2012
- GUIDANCE ON COMPUTER SECURITY INCIDENT HANDLING, INCLUDING THE ORGANIZATION AND MANAGEMENT OF INCIDENT RESPONSE TEAMS
- GENERIC ENOUGH TO BE USED IN INCIDENT RESPONSE ORGANIZATIONS OF ALL SIZES AND ALL TYPES

NIST
National Institute of
Standards and Technology
U.S. Department of Commerce

Special Publication 800-61
Revision 2

Computer Security Incident Handling Guide

Recommendations of the National Institute
of Standards and Technology

Paul Cichonski
Tom Millar
Tim Grance
Karen Scarfone

FIRST CSIRT SERVICES FRAMEWORK V2.1

- UPDATED 2018 BY FIRST MEMBERS
- AVAILABLE IN SEVEN LANGUAGES(FR, ARABIC, ES, CHINESE, RU, JAPANESE)
- STEMMED FROM A DISCUSSION AT FIRST, IT REFLECTS OBSERVATIONS FROM ON THE RESPONSE OPERATION.



ITU-T X.1060 CYBER DEFENCE CENTRE

- LESSONS LEARNED FROM TOKYO 2020
- ITU-T STANDARDIZE IT AS X.1060 IN 2021.
- **CSIRT + SOC + STRATEGY = CYBER DEFENCE CENTRE**
- 64 DIFFERENT SERVICES IN 9 DIFFERENT CATEGORIES



ITU-T

TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU

X.1060

(06/2021)

SERIES X: DATA NETWORKS, OPEN SYSTEM COMMUNICATIONS AND SECURITY

Information and network security – Security management

Framework for the creation and operation of a cyber defence centre

Recommendation ITU-T X.1060



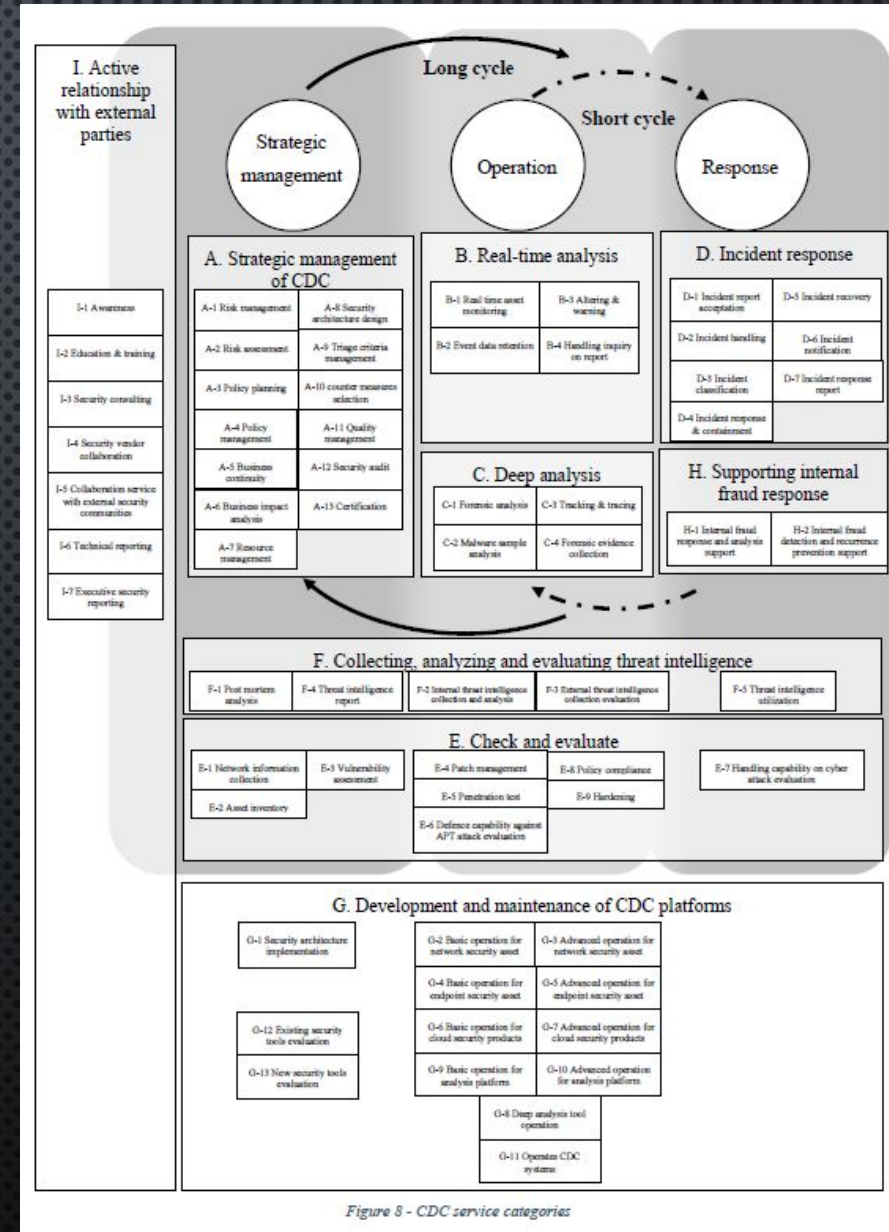


Figure 8 - CDC service categories

SUMMARY:

1. ROLE OF CERT/CSIRTS ARE EVOLVING RAPIDLY
2. TAKE ADVANTAGE OF EXISTING FRAMEWORKS!
3. ESPECIALLY IN A CASE, YOU NEED TO BUILD A LARGE TEAM IN A SHORT PERIOD OF TIME.

THANK YOU