

TO MATURITY AND BEYOND: THE HISTORY AND PRACTICE OF COMPUTER SECURITY INCIDENT RESPONSE TEAMS



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LITERATURE  
(RELATING TO IR  
& EFFECTIVENESS)

STANDARDS,  
LEGISLATION  
REGULATION  
FRAMEWORKS

TOOLS  
TECH  
TECHNIQUES

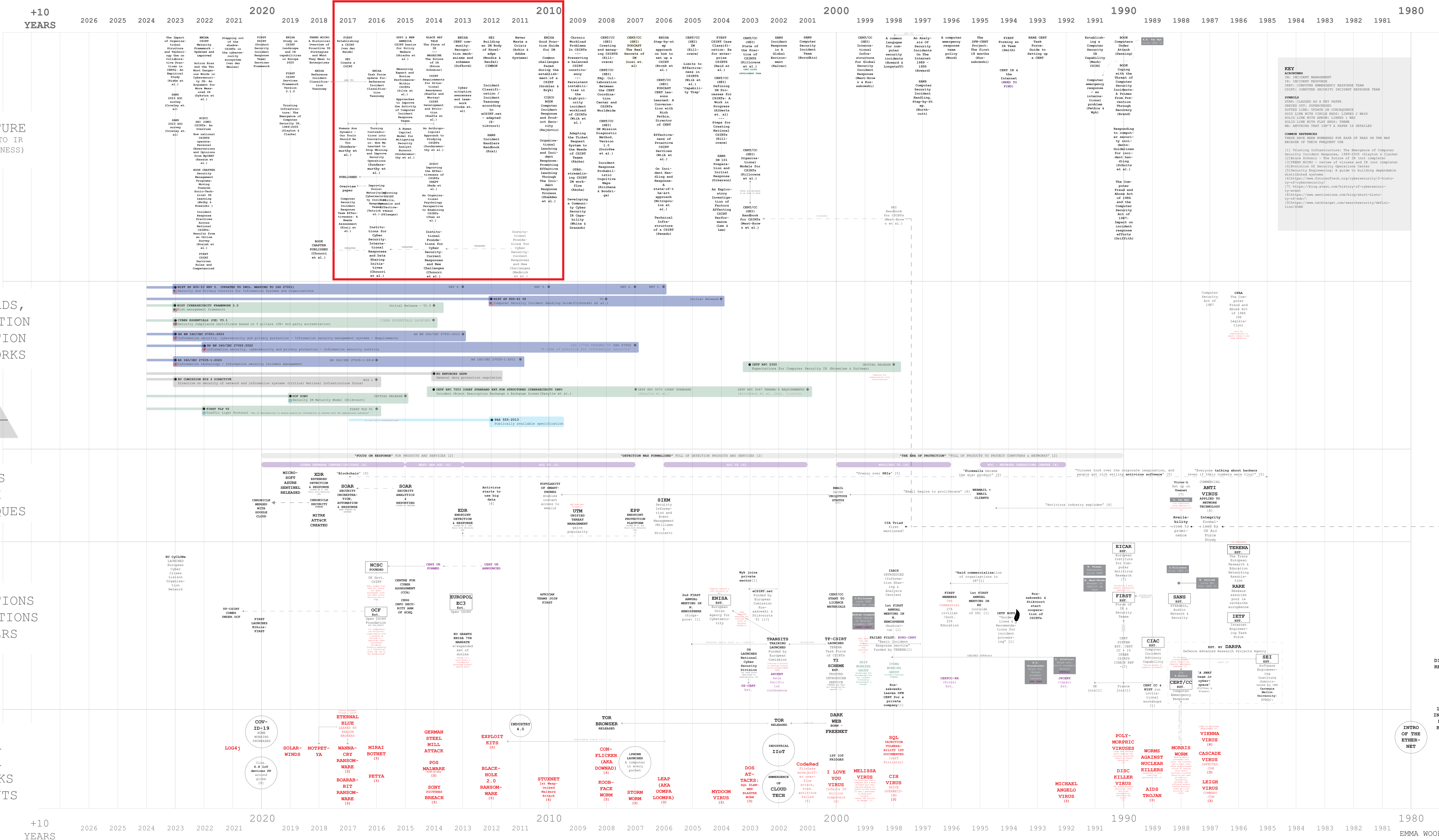
INSTITUTIONS  
ORGANISATIONS  
PIONEERS

MAJOR  
CYBER  
ATTACKS  
& EVENTS

DIGITAL  
REVOLU-  
TION

1989  
INTER-  
NET  
BORN

INTRO  
OF THE  
ETHER-  
NET





2017

2016

2015

2014

2013

2012

2011

FIRST  
Establishing  
a CSIRT  
(van der  
Heide)

SEI  
Create a  
CSIRT

LED TO

ENISA  
Task Force  
update for:  
Reference  
Incident  
Classifica-  
tion  
Taxonomy

GPPI & NEW  
AMERICA  
CSIRT basics  
for Policy  
Makers  
(Skierka et  
al.)

Measuring  
Expert and  
Novice  
Performance-  
Within  
CSIRTs  
(Silva et  
al.)  
  
Approaches  
to Improve  
the Activity  
of Computer  
Incident  
Response  
Teams

BLACK HAT  
TALK  
The State of  
IR  
---  
MAGAZINE  
The future  
of IR  
(Bruce  
Schneier)

CSIRT  
Requirements  
for Situa-  
tional  
Awareness  
(Ruefle and  
Murray)  
CSIRT  
Development  
and Evolu-  
tion  
(Ruefle et  
al.)

ENISA  
CERT com-  
munity:  
Recogni-  
tion mech-  
anisms and  
schemes  
(Dufková)

Cyber  
situation  
awareness  
and team-  
work  
(Cooke et.  
al)

SEI  
Building  
an IM Body  
of Knowl-  
edge  
(Mundie &  
Reufel)  
CIMBOK

Incident  
Classifi-  
cation /  
Incident  
Taxonomy  
according  
to  
eCSIRT.net  
- adapted  
(S-  
tikvoort)

Never  
Waste a  
Crisis  
(Arkin &  
Adobe  
Systems)

ENISA  
Good Prac-  
tice Guide  
for IM

Common  
challenges  
faced  
during the  
establish-  
ment of a  
CSIRT  
(Grobler &  
Bryk)

CISCO  
BOOK  
Computer  
Incident  
Response  
and Prod-  
uct Secu-  
rity  
(Rajnovic)

Organisa-  
tional  
Learning  
and Inci-  
dent  
Response:  
Promoting  
Effective  
Learning  
Through  
The Inci-  
dent  
Response  
Process  
(Shedden  
et al.)

Humans Are  
Dynamic -  
Our Tools  
Should Be  
Too  
(Sundara-  
murthy et  
al.)

Turning  
Contradic-  
tions into  
Innovations  
or: How We  
Learned to  
Stop Whining  
and Improve  
Security  
Operations  
(Sundara-  
murthy et  
al.)

A Human  
Capital  
Model for  
Mitigating  
Security  
Analyst  
Burnout  
(Sundaramur-  
thy et al.)

An Anthro-  
pological  
Approach to  
Studying  
CSIRTs  
(Sundaramur-  
thy et al.)

GCSCC  
Improving  
the Effec-  
tiveness of  
CSIRTs  
DRAFT  
(Bada et  
al.)

An Organiza-  
tional  
Psychology  
Perspective  
to Examining  
CSIRTs  
(Chen at  
al.)

Institu-  
tional  
Founda-  
tions for  
Cyber  
Security:  
Current  
Responses  
and New  
Challenges  
(Choucric  
et al.)

SANS  
Incident  
Handlers  
Handbook  
(Kral)

Institu-  
tional  
Founda-  
tions for  
Cyber  
Security:  
Current  
Responses  
and New  
Challenges  
(Madnick  
et al.)

PUBLISHED

Overview  
paper

Improving  
Social  
Maturity  
Improving  
Cybersecurity  
Incident  
Response  
Skills,  
Dynamics and  
Team Effective-  
ness  
(Tetric et  
al.) (Pfleege)

Computer  
Security  
Incident  
Response  
Team Effec-  
tiveness: A  
Needs  
Assessment  
(Kleij et  
al.)

Institu-  
tions for  
Cyber  
Security:  
Interna-  
tional  
Responses  
and Data  
Sharing  
Initia-  
tives  
(Choucric  
et al.)

UPDATED

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