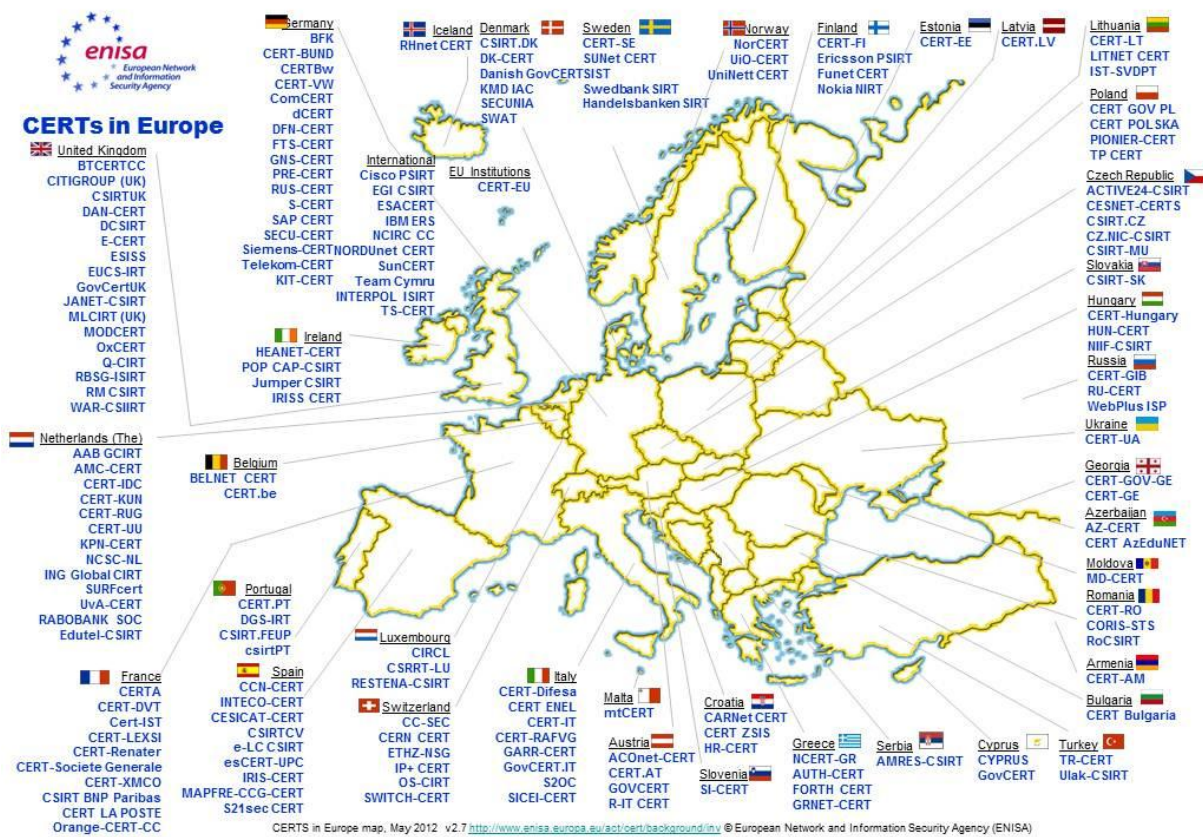


# Inventory of CERT activities in Europe

Publicly listed teams, co-operation, support and standardisation activities



Version 2.7, 05/2012



## About ENISA

The European Network and Information Security Agency (ENISA) is an EU agency created to advance the functioning of the internal market. ENISA is a centre of excellence for the European Member States and European institutions in network and information security, giving advice and recommendations and acting as a switchboard of information for good practices. Moreover, the agency facilitates contacts between the European institutions, the Member States and private business and industry actors.

## Contact details:

For contacting ENISA or for general enquiries on CERT related information, please use the following details:

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Internet: <http://www.enisa.europa.eu/>

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## Acknowledgements

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## 1. Terms and Definitions

### CERT

#### Computer Emergency Response Team

A “CERT” is an organisation that studies computer and network security in order to provide incident response services to victims of attacks, publish alerts concerning vulnerabilities and threats, and to offer other information to help improve computer and network security. (See also: [CSIRT](#)). Throughout this document, the well-established term CERT will be used.

### CSIRT

#### Computer Security and Incident Response Team

Over time, the [CERTs](#) (see above) extended their services from being a mere reaction force to a more complete security service provider, including preventive services like alerting or advisories and security management services. Therefore, the term “CERT” was not considered to be sufficient. As a result, the new term “CSIRT” was established in the end of the 90-ies. At the moment, both terms (CERT and CSIRT) are used in a synonymous manner, with CSIRT being the more precise term. Throughout this document, the well-established term CERT will be used.

### Abuse Team

An Abuse team is a response facility, usually operated by an ISP, who professionally handles "Internet-abuse" reports or complaints (e.g. spam, viruses, offensive mails, etc.), with a team of people, on a relatively large scale.

### GEANT 2

GÉANT2 is the seventh generation of pan-European research and education network, successor to the pan-European multi-gigabit research network GÉANT. The project within which the network is funded began officially on 1 September 2004, and ran for four years. [This site](#) provides information on the network, and on the other project activities which will be carried out alongside it. GÉANT2 was co-funded by the European Commission and Europe's national research and education networks, and is managed by DANTE.

### IETF

#### The Internet Engineering Task Force

The Internet Engineering Task Force is a large open international community of network designers, operators, vendors, and researchers concerned with the evolution of the Internet

architecture and the smooth operation of the Internet. It is open to any interested individual. [See IETF website.](#)

#### **IODEF**

Incident Object Description and Exchange Format. See [IODEF](#).

#### **TF-CSIRT**

Task Force CSIRT. See [TF-CSIRT](#).

#### **TI**

Trusted Introducer service. See [TI](#).

#### **TI Status: Listed**

The initial stage of the TI process is being "listed" in the public TI database. In fact this means that a CSIRT is "known" to the rest of the world and accepted as being a CSIRT.

#### **TI Status: Accreditation Candidate**

From the moment that the team has received an "Accreditation Candidate" acknowledgement from the TI, the CSIRT team is publicly considered "Accreditation Candidate". The one and only goal of "Accreditation Candidate" status is to move to "Accredited".

#### **TI Status: Accredited**

From the moment that the team has properly documented that it meets the "Accredited" criteria – by means of correctly filled out Appendices B and D - and has received an "Accredited" acknowledgement from the TI, the CSIRT team is publicly considered "Accredited".

#### **TI Status: "Accredited" and "Certified"**

Certification is the next step in the TI CSIRT maturity model. TI Certification is meant for those "Accredited" teams who have internal and/or external reasons to have their maturity level gauged in an independent way. See [TI certification web-page](#) for more information.

#### **WARP**

Warning, Advice and Reporting Points. See [WARPs](#).

## 2. CERTs by Country

### International

#### Cisco PSIRT

Established: 1995

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CISCO-PSIRT>

FIRST Member: Yes

Constituency: Vendor Customer Base

More Info: <http://www.cisco.com/go/psirt>

#### EGI CSIRT

The European Grid Infrastructure (EGI) CSIRT provides an operational response to security threats against the EGI infrastructure.

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-e.html#EGEE-OSCT>

Constituency: Research & Education

More info: <https://wiki.egi.eu/wiki/CSIRT>

#### ESACERT

Established: 2003

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/esacert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.esacert.esa.int>

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#### IBM ERS

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-i.html#IBM-ERS>

FIRST Member: Yes

Constituency: Service Provider Customer Base

More Info: <http://www.ers.ibm.com/>

#### NCIRC CC

NATO Computer Incident Response Capability - Coordination Centre (located in Belgium)

TI Status: Listed

TI Link: <http://www.trusted-introducer.nl/teams/teams-n.html#NCIRC-CC>

FIRST Member: Yes

FIRST Member since: 1Q 2004

Constituency: NATO Computer Incident Response Capability - Coordination Centre

More info: <http://www.nato.int/cps/en/natolive/index.htm>

#### NORDUnet CERT

NORDUnet CERT performs security incident handling in cooperation with the Nordic national research networks.

Established: 3Q 1990

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/nordunet-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://cert.nordu.net>

#### SunCERT

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-s.html#SUNCERT>

FIRST Member: Yes

Constituency: Vendor Customer Base

#### Team Cymru

Established: 1Q 1998

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/team-cymru.html>

FIRST Member: Yes

Constituency: Commercial Organisation

More Info: <http://www.team-cymru.org/>

#### INTERPOL ISIRT

INTERPOL INFORMATION SECURITY INCIDENT RESPONSE

FIRST Member: Yes

FIRST Link: <http://www.first.org/members/teams/isirt/>

More info: [www.interpol.int](http://www.interpol.int)

#### ICANN CIRT

Established: 4Q 2009

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-i.html#ICANN-CIRT>

FIRST Member: Yes

Constituency: Non-Commercial Organisation

More info: <http://www.icann.org/en/cirt/>

#### TS-CERT

Also located in: Finland, Denmark, Norway, Latvia, Lithuania

Established: 1Q 1997

TI Status: Accredited & Certified

TI Link: <https://www.trusted-introducer.org/teams/ts-cert.html>



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FIRST Member: Yes

Constituency: Service Provider Customer Base

More Info: <http://www.teliasonera.com>

European Institutions



 CERT-EU (European Union)

Established: 2Q 2011

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-EU>

Constituency: Government (all the EU Institutions, Agencies and Bodies)

More Info: <http://www.cert.europa.eu>

Austria



 CERT.AT

Established: 1Q 2008

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/certat.html>

FIRST Member: Yes

Constituency: Government, national / governmental CERT

More Info: <http://www.cert.at/>

 GOVCERT

Established: 2Q 2008

E-mail: [post@govcert.gv.at](mailto:post@govcert.gv.at)

Constituency: Austrian governmental CERT

More Info: <http://www.govcert.gv.at>

 ACOnet-CERT

Established: 1Q 2003

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/aconet-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://cert.aco.net>

 R-IT CERT

Established: 1Q 2008

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-r.html#R-IT-CERT>

FIRST Member: Yes

Constituency: Financial Sector

More Info: <http://www.r-it.at>

Armenia 

 CERT AM

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-AM>

Constituency: National

More Info: <http://www.cert.am>

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 AZ-CERT

Established: 1Q 2011

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/az-cert.html>

Constituency: Research & Education

More Info: <http://www.cert.az/>

 CERT AzEduNET

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-AZEDUNET>

Constituency: Research & Education

More Info: <http://www.cert.aznet.org/>



 CERT.be

Established: 3Q 2009

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/certbe.html>

Constituency: Government, national / governmental CERT

More Info: <https://www.cert.be/>

 BELNET CERT

Established: 3Q 2004

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/belnet-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://cert.belnet.be>

Bulgaria



 CERT Bulgaria

Established: 4Q 2008

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-bulgaria.html>

Constituency: Government, national / governmental CERT

More Info: <https://govcert.bg/EN/Pages/default.aspx>

Croatia



 HR-CERT

Established: 2Q 2009

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/hr-cert.html>

FIRST Member: Yes

Constituency: National / Governmental CERT

More Info: <http://www.cert.hr/>

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 **CARNet CERT**

Established: 3Q 1996

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/carnet-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.carnet.hr>

 **CERT ZSIS**

Established: 3Q 2007

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-zsis.html>

Constituency: Service Provider Customer Base

More Info: <http://www.zsis.hr/>

Cyprus 

 **GovCERT**

Constituency: National / Governmental CERT

More Info: <http://www.ocecpr.org.cy>

 **CYPRUS**

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CYPRUS>

Constituency: Research & Education, National CERT

Czech Republic

 CSIRT.CZ

Established: 2Q 2008

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/csirtcz.html>

Constituency: National / Governmental CERT

More Info: <http://www.csirt.cz/> ACTIVE24-CSIRT

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-a.html#ACTIVE24-CSIRT>

Constituency: ISP Customer Base

More Info: <http://www.active24.cz/csirt> CESNET-CERTS

Established: 1Q 2004

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cesnet-certs.html>

Constituency: Research &amp; Education

More Info: <http://www.cesnet.cz/csirt/> CSIRT-MU

Established: 2Q 2009

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/csirt-mu.html>

Constituency: Research &amp; Education

More Info: <http://www.muni.cz/csirt>

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 **CZ.NIC-CSIRT (formerly CZNIC-CSIRT)**

Established: 2Q 2008

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cznic-csirt.html>

Constituency: Non-Commercial Organisation

More Info: <http://www.nic.cz/csirt/>

Denmark 

 **Danish GovCERT**

Established: 2Q 2009

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/danish-govcert.html>

FIRST Member: Yes

Constituency: Government, national / governmental CERT

More Info: <http://www.govcert.dk>

 **CSIRT.DK**

Established: 4Q 1999

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CSIRTDK>

FIRST Member: Yes

Constituency: ISP Customer Base

More Info: <http://www.csirt.dk>

 DK-CERT

Established: 3Q 1991

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/dk-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.cert.dk>

 KMD IAC

Established: 3Q 1997

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/kmd-iac.html>

FIRST Member: Yes

Constituency: ISP Customer Base

More info: <http://www.kmd.dk>

 SECUNIA RESEARCH

FIRST Member: Yes

FIRST Link: [http://www.first.org/members/teams/secunia\\_research/](http://www.first.org/members/teams/secunia_research/)

Constituency: ICT vendor customer base

 SWAT

A.P.Moller-Maersk Group IT-Security SWAT

FIRST Member: Yes

FIRST Link: <http://www.first.org/members/teams/swat/>

Constituency: Other commercial



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Estonia 

 CERT-EE

Established: 1Q 2006

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-ee.html>

Constituency: Government, national / governmental CERT

More Info: <http://www.cert.ee/>

Finland 

 CERT-FI

Established: 1Q 2002

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-fi.html>

FIRST Member: Yes

Constituency: Government, national / governmental CERT

More Info: <http://www.cert.fi>

 Ericsson PSIRT

Established: 1Q 2004

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/ericsson-psirt.html>

FIRST Member: Yes

Constituency: Vendor Customer Base

More info: [psirt@ericsson.com](mailto:psirt@ericsson.com)

 Funet CERT

Established: 3Q 1995

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/funet-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.cert.funet.fi/english.html>

 Nokia NIRT

Also located in: UK, USA, China, Denmark, Singapore, Australia

Established: 3Q 1998

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-n.html#NOKIA-NIRT>

FIRST Member: Yes

Constituency: Vendor Customer Base

France 

 CERTA

Established: 4Q 1999

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/certa.html>

FIRST Member: Yes

Constituency: Government, national / governmental CERT

More Info: <http://www.certa.ssi.gouv.fr>

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 **CERT-DVT (formerly APOGEE SecWatch)**

Established: 3Q 2007

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-dvt.html>

Constituency: Service Provider Customer Base

More Info: <http://www.cert-devoteam.com/>

 **Cert-IST**

Established: 1Q 1999

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-ist.html>

FIRST Member: Yes

Constituency: Service Provider Customer Base

More Info: <http://www.cert-ist.com/eng/>

 **CERT-LEXSI**

TI Status: Accredited

TI Listed since: 2Q 2003

TI Link: <https://www.trusted-introducer.org/teams/cert-lexsi.html>

FIRST Member: Yes

Constituency: Service Provider Customer Base

More Info: <http://cert.lexsi.com>

 **CERT-Renater**

Established: 1Q 1993

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-renater.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: [http://www.renater.fr/Securite/CERT\\_Renater.htm](http://www.renater.fr/Securite/CERT_Renater.htm) , <http://www.renater.fr>

#### CERT-Societe Generale

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-SOCIETE-GENERALE>

Constituency: Financial sector

More Info: <http://cert.societegenerale.com/>

#### CERT-XMCO

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-XMCO>

Constituency: Service Provider Customer Base

More Info: <http://www.xmcopartners.com/index-en.html>

#### CSIRT BNP Paribas

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CSIRT-BNP-PARIBAS>

Constituency: Financial sector

#### CERT LA POSTE

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-LA-POSTE>

Constituency: Financial sector

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 Orange-CERT-CC

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-o.html#ORANGE-CERT-CC>

Constituency: Commercial Organisation



 CERT-GOV-GE

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-GOV-GE>

Constituency: National / Governmental CERT

More Info: <http://www.dea.gov.ge>

 CERT-GE

Established: 1Q 2007

TI Status: Suspended

TI Link: <https://www.trusted-introducer.org/teams/cert-ge.html>

Constituency: Research & Education

More Info: <http://www.cert.ge/>



 CERT-BUND

Established: 3Q 2001

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-BUND>

FIRST Member: Yes

Constituency: Government, national / governmental CERT

More Info: <https://www.cert-bund.de/>

 BFK

FIRST Member: Yes

Constituency: Other commercial

FIRST link: <http://www.first.org/members/teams/bfk/>

More Info: [http://www.bfk.de/en\\_index.html](http://www.bfk.de/en_index.html)

 CERT-VW

Established: 3Q 2002

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-vw.html>

FIRST Member: Yes

Constituency: Commercial Organisation

 CERTBw

TI Status: Listed

TI Listed since: 2Q 2003

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERTBW>

FIRST Member: Yes

Constituency: Government & Military

 ComCERT

TI Status: Listed

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TI Listed since: 2Q 2002

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#COMCERT>

FIRST Member: Yes

Constituency: Financial Sector

More Info: <http://www.commerzbank.com/>

#### dCERT

Established: 1Q 1999

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/dcert.html>

FIRST Member: Yes

Constituency: Service Provider Customer Base

More Info: <http://www.dcert.de/>

#### DFN-CERT

Established: 1Q 1993

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/dfn-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.dfn-cert.de/>

#### FTS-CERT

FIRST Member: Yes

Constituency: customers of Fujitsu Technology Solutions

More Info: <http://www.first.org/members/teams/fts-cert/>

 **GNS-CERT**

Established: 1Q 2004

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-g.html#GNS-CERT>

FIRST Member: Yes

Constituency: Service Provider Customer Base

More Info: <http://www.gnsec.net>

 **KIT-CERT**

Established: 1Q 2008

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/kit-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More info: <http://www.kit.edu/cert>

 **PRE-CERT**

Established: 1Q 2001

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/pre-cert.html>

FIRST Member: Yes

Constituency: Service Provider Customer Base

More Info: <https://www.pre-secure.com> , <https://www.pre-secure.de>

 **RUS-CERT**

Established: 1Q 1998

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/rus-cert.html>

FIRST Member: Yes

Constituency: Research & Education



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More Info: <http://cert.uni-stuttgart.de>

#### S-CERT

Established: 1Q 2001

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/s-cert.html>

FIRST Member: Yes

Constituency: Financial Sector

More Info: <http://www.s-cert.de>

#### SAP CERT

Established: 1Q 2002

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-s.html#SAP-CERT>

FIRST Member: Yes

Constituency: Vendor Customer Base

More Info: [http://www.first.org/members/teams/sap\\_cert/](http://www.first.org/members/teams/sap_cert/)

#### SECU-CERT

TI Status: Listed

TI Listed since: 3Q 2001

TI Link: <https://www.trusted-introducer.org/teams/teams-s.html#SECU-CERT>

FIRST Member: Yes

Constituency: Service Provider Customer Base

#### Siemens-CERT

Also located in: USA

Established: 2Q 1998

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/siemens-cert.html>

FIRST Member: Yes

Constituency: Industrial Sector

More Info: <http://www.siemens.com/cert>

 Telekom-CERT

Established: 3Q 2001

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/telekom-cert.html>

FIRST Member: Yes

Constituency: ISP Customer Base

Greece 

 NCERT-GR

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-n.html#NCERT-GR>

Constituency: Government, national / governmental CERT

More Info: <http://www.cert.gov.gr>

 AUTH-CERT

TI Status: Listed

TI Listed since: 2Q 2004

TI Link: <https://www.trusted-introducer.org/teams/teams-a.html#AUTH-CERT>

Constituency: Research & Education

More Info: <http://www.auth.gr>

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 FORTH CERT

Established: 3Q 2007

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/forth-cert.html>

FIRST Member: yes

Constituency: Service Provider Customer Base

More Info: <http://www.forth.gr/forthcert/>

 GRNET-CERT

Established: 2Q 2000

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/grnet-cert.html>

Constituency: Research & Education

More Info: <http://cert.gnet.gr>

Hungary 

 CERT-Hungary

Established: 1Q 2005

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-hungary.html>

FIRST Member: Yes

Constituency: Government, national / governmental CERT

More Info: <http://www.cert-hungary.hu/>

 HUN-CERT

TI Status: Listed

TI Listed since: 4Q 2003

TI Link: <https://www.trusted-introducer.org/teams/teams-h.html#HUN-CERT>

Constituency: Service Provider Customer Base

More Info: <http://www.cert.hu/hun-cert/index.html>

 NIIF CSIRT

TI Status: Listed

TI Listed since: 4Q 2003

TI Link: <https://www.trusted-introducer.org/teams/teams-n.html#NIIF-CSIRT>

Constituency: Research & Education

More Info: <http://csirt.niif.hu>

Iceland 

 RHnet CERT

TI Status: Listed

TI Listed since: 4Q 2003

TI Link: <https://www.trusted-introducer.org/teams/teams-r.html#RHNET-CERT>

Constituency: Research & Education

Ireland 

 HEANET-CERT

TI Status: Listed

TI Listed since: 4Q 2002

TI Link: <https://www.trusted-introducer.org/teams/teams-h.html#HEANET-CERT>

Constituency: Research & Education

More Info: <http://www.heanet.ie/cert.html>

Version 2.7, 5/2012

 **IRISS CERT**

Established: 4Q 2008

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/iriss-cert.html>

Constituency: Non-Commercial Organisation

More Info: <http://www.iriss.ie/>

 **Jumper CSIRT**

Established: 4Q 2007

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/jumper-csirt.html>

Constituency: ISP Customer Base

More Info: <http://www.jumper.ie>

 **POPCAP-CSIRT**

TI status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-p.html#POPCAP-CSIRT>

Constituency: Vendor Customer Base

Italy 

 **GOVCERT.IT**

Established: 2004

Constituency: Central public administration, national / governmental CERT

More Info: <http://www.cert-spc.it>

 CERT-Difesa

Constituency: Military

More Info: <http://www.difesa.it/SMD/Staff/Reparti/II-reparto/CERT/>

 CERT ENEL

Constituency: Members of ENEL S.P.A. (Energy Provider)

More Info: [http://www.enel.it/attivita/servizi\\_diversificati/informatica/cert/](http://www.enel.it/attivita/servizi_diversificati/informatica/cert/)

 CERT-IT

Established: 1Q 1994

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-IT>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://security.dsi.unimi.it>

 CERT-RAFGV

Constituency: Local agencies (Region Friuli)

More Info: <http://cert-rafgv.regione.fvg.it/>

 GARR-CERT

Established: 1Q 1999

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/garr-cert.html>

Constituency: Research & Education

More Info: <http://www.cert.garr.it>

 S2OC

Constituency: All sites of Telecom Italia

More Info: <http://www.tuconti.telecomitalia.it>

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 SICEI-CERT (formerly SOC-IDS-CEI)

Constituency: 80 Dioceses of Catholic Church

More Info: <http://cert.chiesacattolica.it/>



 CERT.LV (formerly CERT NIC.LV, LATNET CERT)

Established: 3Q 2006

TI Status: Accredited TI Link: <https://www.trusted-introducer.org/teams/certlv.html>

FIRST Member: Yes

Constituency: National / Governmental CERT

More Info: <http://www.cert.lv/>



 CERT-LT

Established: 4Q 2006

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-lt.html>

Constituency: Government, national / governmental CERT

More Info: <http://www.cert.lt/> , <http://www.esaugumas.lt/>

 IST-SVDPT

Established: 2Q 2008

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/ist-svdpt.html>

Constituency: Government & Military.

More Info: <http://www.svdpt.gov.lt/>

 LITNET CERT

Established: 2Q 1998

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/litnet-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <https://cert.litnet.lt>

Luxembourg



 CIRCL

Established: 1Q 2008

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/circl.html>

Constituency: National CERT

More Info: <http://www.circl.lu/>

 CSRRT-LU

Constituency: CSRRT-LU is a computer security research and response team association localized in the Grand-Duchy of Luxembourg.

More Info: <http://www.csrirt.org>

 RESTENA-CSIRT

Established: 1Q 2008



Version 2.7, 5/2012

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/restena-csirt.html>

Constituency: Research & Education

More Info: [www.restena.lu/csirt/](http://www.restena.lu/csirt/)



 mtCERT

Established: 3Q 2002

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/mtcert.html>

Constituency: Government

More Info: <http://www.mtcert.gov.mt/>



 MD-CERT

TI Status: Listed

TI Listed since: 3Q 2010

TI Link: <https://www.trusted-introducer.org/teams/teams-m.html#MD-CERT>

Constituency: Research & Education

More Info: <http://www.cert.md/>



 **NCSC-NL (Formerly known as GOVCERT.NL)**

Established: 2Q 2002

TI Status: Accredited and Certified

TI Link: <https://www.trusted-introducer.org/teams/ncsc-nl.html>

FIRST Member: Yes

Constituency: Government, national / governmental CERT

More Info: <http://www.govcert.nl>

 **AAB GCIRT**

Established: 4Q 2001

FIRST Member: Yes

Constituency: Financial sector

FIRST link: [http://www.first.org/members/teams/aab\\_gcirt/](http://www.first.org/members/teams/aab_gcirt/)

More Info: <http://www.abnamro.com/>

 **AMC-CERT**

TI Status: Listed

TI Listed since: 3Q 2000

TI Link: <https://www.trusted-introducer.org/teams/teams-a.html#AMC-CERT>

Constituency: Research & Education

More Info: <http://www.amc.uva.nl/cert/>

 **CERT-IDC**

TI Status: Listed

TI Listed since: 3Q 2001

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-IDC>

Constituency: Service Provider Customer Base

More Info: <http://www.energis-idc.net>

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 CERT-KUN

TI Status: Listed

TI Listed since: 4Q 2001

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-KUN>

Constituency: Research & Education

More Info: <http://www.kun.nl/cert/>

 CERT-RUG

Established: 1Q 2002

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-rug.html>

Constituency: Research & Education

More Info: <http://www.rug.nl>

 CERT-UU

TI Status: Listed

TI Listed since: 3Q 2000

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-UU>

Constituency: Research & Education

More Info: <http://www.cs.ruu.nl/cert-uu/>

 Edutel-CSIRT

TI status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-e.html#EDUTEL-CSIRT>

Constituency: ISP customer based

More Info: <https://www.edutel.nl>

 **ING Global CIRT**

Established: 4Q 2006

TI Link: <https://www.trusted-introducer.org/teams/teams-i.html#ING-GLOBAL-CIRT>

FIRST Member: Yes

Constituency: Financial Sector

 **KPN-CERT**

Established: 2Q 1995

TI Status: Accredited and Certified

TI Link: <https://www.trusted-introducer.org/teams/kpn-cert.html>

FIRST Member: Yes

Constituency: ISP Customer Base

More Info: <http://www.kpn-cert.nl>

 **RABOBANK SOC**

Established: 2Q 2008

FIRST Member: Yes

FIRST Link: [http://www.first.org/members/teams/rabobank\\_soc/](http://www.first.org/members/teams/rabobank_soc/)

Constituency: Internal to host

More Info: [www.rabobank.nl](http://www.rabobank.nl)

 **SURFcert**

Established: 4Q 1992

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/surfcert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://cert.surfnet.nl>

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 UvA-CERT

TI Status: Listed

TI Listed since: 3Q 2000

TI Link: <https://www.trusted-introducer.org/teams/teams-u.html#UVA-CERT>

Constituency: Research & Education

More Info: <http://ic.uva.nl/cert/>

Norway 

 NorCERT

Established: 2Q 2004

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/norcert.html>

FIRST Member: Yes

Constituency: Government, national / governmental CERT

More Info: <http://www.cert.no/>

 UiO-CERT

Established: 2Q 2005

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/uio-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://cert.uio.no>

 UniNett CERT

Established: 2Q 1995

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/uninett-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://cert.uninett.no>

Poland

 CERT.GOV.PL

Established: 2008

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERTGOVPL>

Constituency: Government

More Info: <http://www.cert.gov.pl/>

 CERT POLSKA

Established: 1Q 1996

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-polska.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.cert.pl/>

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 PIONIER-CERT

TI Status: Listed

TI Listed since: 1Q 2002 (former name: POL34-CERT)

TI Link: <https://www.trusted-introducer.org/teams/teams-p.html#PIONIER-CERT>

Constituency: Research & Education

More Info: <http://cert.pionier.gov.pl/>

 TP CERT (formerly Abuse TP S. A.)

TI Status: Listed

TI Listed since: 3Q 2001

TI Link: <https://www.trusted-introducer.org/teams/teams-t.html#TP-CERT>

Constituency: ISP Customer Base

More Info: <http://www.tp.pl/cert>

Portugal



 CERT.PT

Established: 3Q 2002

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/certpt.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.cert.pt>

 **DGS-IRT**

Established: 1Q 2005

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/dgs-irt.html>

Constituency: Vendor Customer Base

More Info: <https://www.dognaedis.com/>

 **CSIRT.FEUP**

Established: 1Q 2006

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/csirtfeup.html>

Constituency: Research & Education

More Info: <http://csirt.fe.up.pt>

 **csirtPT**

Established: 1Q 2010

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/csirtpt.html>

Constituency: ISP Customer Base

More Info: <http://csirt.telecom.pt>

Romania

 **CERT-RO**

Established: 2Q 2011

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cert-ro.html>

Constituency: National / Governmental

More Info: <http://www.cert-ro.eu/?lang=en>



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 **CORIS-STIS**

Established: 1Q 2008

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/coris-sts.html>

Constituency: Government

More Info: <https://corisweb.stsisp.ro/home/main>

 **RoCSIRT**

Established: 1Q 2009

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/rocsirt.html>

Constituency: Research & Education

More Info: <http://www.csirt.ro/>

Russia



 **RU-CERT**

Established: 1Q 1998

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/ru-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.cert.ru>

 CERT-GIB

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-GIB>

Constituency: Service Provider Customer Base

More Info: <http://www.cert-gib.com/>

 WebPlus ISP

TI Status: Listed

TI Listed since: 4Q 2000

TI Link: <https://www.trusted-introducer.org/teams/teams-w.html#WEBPLUS-ISP>

Constituency: ISP Customer Base

More Info: <http://support.wplus.net/security/>

 AMRES-CSIRT

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-a.html#AMRES-CSIRT>

Constituency: Research & Education

More Info: <http://csirt.amres.ac.rs/>

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Slovakia 

 CSIRT.SK

Established: 3Q 2009

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/csirtsk.html>

Constituency: Government, national / governmental CERT

More Info: <http://www.csirt.gov.sk/>

Slovenia 

 SI-CERT

Established: 4Q 1994

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/si-cert.html>

FIRST Member: Yes

Constituency: National / governmental CERT, Research & Education

More Info: <http://www.arnes.si/english/si-cert/>

Spain 

 CCN-CERT

Established: 4Q 2006

TI Status: Accredited TI Link: <https://www.trusted-introducer.org/teams/ccn-cert.html>

FIRST Member: Yes

Constituency: Government & Military, national / governmental CERT

More Info: <http://www.ccn-cert.cni.es>

 INTECO-CERT

Established: 2Q 2007

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/inteco-cert.html>

FIRST Member: Yes

Constituency: Government

More Info: <http://cert.inteco.es>

 CESICAT-CERT

Established: 1Q 2010

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/cesicat-cert.html>

FIRST Member: Yes

Constituency: Government

More Info: <http://www.cesicat.cat/cert/>

 CSIRTCV

Established: Q2 2007

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/csirtcv.html>

Constituency: Government & Military

More Info: <https://www.csirtcv.es/>

 e-LC CSIRT

Established: 1Q 2005

FIRST Member: Yes

Constituency: Financial sector

More Info: [http://www.first.org/members/teams/e-lc\\_csirt/](http://www.first.org/members/teams/e-lc_csirt/)

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 esCERT-UPC

Established: 4Q 1994

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/escert-upc.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://escert.upc.edu>

 IRIS-CERT

Established: 4Q 1995

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/iris-cert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.rediris.es/cert/>

 MAPFRE-CCG-CERT

TI Status: Listed

TI Listed since: Q2 2011

TI Link: <https://www.trusted-introducer.org/teams/teams-m.html#MAPFRE-CCG-CERT>

Constituency: Financial Sector

 S21sec CERT

Established: 1Q 2000

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/s21sec-cert.html>

FIRST Member: Yes

Constituency: Service Provider Customer Base

More Info: <https://cert.s21sec.com>

Sweden 

 CERT-SE (formerly SITIC)

Established: 1Q 2003

TI Status: Accredited & Certified

TI Link: <https://www.trusted-introducer.org/teams/cert-se.html>

FIRST Member: Yes

Constituency: Government & Military, national / governmental CERT

More Info: <http://www.cert.se>

 Handelsbanken SIRT

Established: 1Q 2006

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/handelsbanken-sirt.html>

FIRST Member: No

Constituency: Financial sector

 SIST

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-s.html#SIST>

Constituency: Research & Education

More info: <http://www.snic.vr.se/snic-committees/sist>

 SUNet CERT

Established: 4Q 2000

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/sunet-cert.html>

Version 2.7, 5/2012

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.cert.sunet.se>

 Swedbank SIRT

Established: 3Q 2003

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/swedbank-sirt.html>

Constituency: Financial Sector

Switzerland



 SWITCH-CERT

Established: 1Q 1995

TI Status: "Accredited" and "Certified"

TI Link: <https://www.trusted-introducer.org/teams/switch-cert.html>

FIRST Member: Yes

Constituency: National, Research & Education

More Info: <http://www.switch.ch/cert>

 CC-SEC

TI Status: Listed

TI Listed since: 3Q 2003

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CC-SEC>

FIRST Member: Yes

Constituency: ISP Customer Base

More Info: <http://www.first.org/members/teams/cc-sec/>

**+ CERN CERT**

TI Status: Listed

TI Listed since: 1Q 2001

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERN-CERT>

Constituency: Research & Education

More Info: <http://cern.ch/security>

**+ ETHZ-NSG**

Established: 1Q 1996

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/ethz-nsg.html>

Constituency: Research & Education

More Info: [https://www1.ethz.ch/id/services/list/security/index\\_EN](https://www1.ethz.ch/id/services/list/security/index_EN)

**+ IP+ CERT**

Established: 1Q 1995

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-i.html#IP-CERT>

FIRST Member: Yes

Constituency: ISP Customer Base

More Info: <http://cert.ip-plus.net>

**+ OS-CIRT**

TI Status: Listed

TI Listed since: 4Q 2001

TI Link: <https://www.trusted-introducer.org/teams/teams-o.html#OS-CIRT>

FIRST Member: Yes

Constituency: Service Provider Customer Base



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Turkey



 TR-CERT

Established: 2Q 2007

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/tr-cert.html>

Constituency: Government

More Info: <http://www.tr-cert.gov.tr>

 Ulak-CSIRT

Established: 2Q 2005

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/ulak-csirt.html>

Constituency: Research & Education

More Info: <http://csirt.ulakbim.gov.tr/eng/>

Ukraine



 CERT-UA

TI Status: Listed

FIRST Member: Yes

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CERT-UA>

Constituency: Government & Military

More Info: <http://www.cert.gov.ua/>

United Kingdom 

 CSIRTUK

Established: 1992

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CSIRTUK>

FIRST Member: Yes

Constituency: Government, national / governmental CERT

More Info: <http://www.cpni.gov.uk/>

 GovCertUK

Established: 1Q 2007

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-g.html#GOVCERTUK>

FIRST Member: Yes

Constituency: Government, national / governmental CERT

More Info: <http://www.govcertuk.gov.uk/>

 WAR-CSIIRT

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-w.html#WAR-CSIIRT>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.warwick.ac.uk>

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 **BTCERTCC**

Established: 1Q 1999

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/btcertcc.html>

FIRST Member: Yes

Constituency: ISP Customer Base

 **CITIGROUP (UK)**

Also located in: USA

TI Status: Listed

TI Listed since: 3Q 2000

TI Link: <https://www.trusted-introducer.org/teams/teams-c.html#CITIGROUP>

Constituency: Financial Sector

 **DAN-CERT**

Established: 1Q 1999

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/dancert.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.dante.net/dancert>

 **DCSIRT**

Established: 3Q 2005

TI Status: Listed

TI Link: <https://www.trusted-introducer.org/teams/teams-d.html#DCSIRT>

FIRST Member: Yes

Constituency: Commercial Organisation

 E-CERT

TI Status: Listed

TI Listed since: 1Q 2002

TI Link: <https://www.trusted-introducer.org/teams/teams-e.html#E-CERT>

FIRST Member: Yes

Constituency: ISP Customer Base

 ESISS

Established: 2Q 2009 TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/esiss.html>

Constituency: ISP Customer Base

More Info: <http://www.esiss.ac.uk>

 EUCS-IRT

TI Status: Listed

TI Listed since: 2Q 2002

TI Link: <https://www.trusted-introducer.org/teams/teams-e.html#EUCS-IRT>

Constituency: Research & Education

 JANET CSIRT

Established: 1Q 1993

TI Status: Accredited

TI Link: <https://www.trusted-introducer.org/teams/janet-csirt.html>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.ja.net/csirt/>

 MLCIRT (UK)

Also located in: USA

TI Status: Listed

Version 2.7, 5/2012

TI Listed since: 4Q 2001

TI Link: <https://www.trusted-introducer.org/teams/teams-m.html#MLCIRT>

Constituency: Financial Sector

 MODCERT

TI Status: Listed

TI Listed since: 3Q 2001

TI Link: <https://www.trusted-introducer.org/teams/teams-m.html#MODCERT>

FIRST Member: Yes

Constituency: Government & Military

More Info: <http://www.mod.uk/cert/>

 OxCERT

TI Status: Listed

TI Listed since: 1Q 2001 TI

TI Link: <https://www.trusted-introducer.org/teams/teams-o.html#OXCERT>

FIRST Member: Yes

Constituency: Research & Education

More Info: <http://www.ox.ac.uk/it/compsecurity/oxcert/>

 Q-CIRT

TI Status: Listed

TI Listed since: 4Q 2002

TI Link: <https://www.trusted-introducer.org/teams/teams-q.html#Q-CIRT>

FIRST Member: Yes

Constituency: Service Provider Customer Base

More Info: <http://www.qinetiq.com>

 **RBSG-ISIRT**

TI Status: Accredited

TI Listed since: 4Q 2006

TI Link: <https://www.trusted-introducer.org/teams/rbsg-isirt.html>

Also located in: Australia, Belgium, France, Germany, Gibraltar, Hong Kong, India, Ireland, Italy, Japan, Monaco, Netherlands, Singapore, United States

Established: 4Q 2003

FIRST Member: Yes

Constituency: Financial Sector

More Info: <http://www.rbs.co.uk>

### 3. CERT co-operation activities and projects in Europe

#### CERT-Verbund (Germany)

Target Audience: German CERTs

More Info: <http://www.cert-verbund.de/>

The German national CERT-Verbund is an alliance of German security and emergency response teams. The CERT-Verbund provides the German teams with a framework for co-operation and information sharing. Besides this, all the single teams stay autonomous in their responsibility for their respective constituency.

The CERT-Verbund has the following overall goals:

- Protection of the national IT-networks
- Immediate joint reaction to security incidents

The CERT-Verbund looks after the following projects:

- [DAF](#) - Deutsches Advisory Format (German advisory format)
- [SIRIOS](#) – System for Incident Response in Operational Security

#### Circa - Computer Incident Response Coordination Austria

Goal: National Austrian early warning system

More Info: <http://www.circa.at/>

Circa is a confidential and protected electronic communication network ("Web of Trust") between network- and safety officers of Internet Service Providers (ISPs) and other carriers of IP-networks, from the private as well as from the public sector (Private Public Partnership). The electronic communication network of the private sector (ISPs and carrier of IP networks) is led by [ISPA](#) (Internet Service Providers Austria), while in the public sector the responsibility lies within the BKA (Bundeskanzleramt und Krisenmanagement - Federal Chancellery and Crisis Management).

The goal of this Austrian security network is a nationwide early warning system for worms, viruses, so called DDoS-attacks (Distributed Denial of Service) and other scenarios which threaten the ISP-infrastructure as well as IP-networks and customers. This will be achieved through proactive measures (duly warnings, information, risk assessment, information about possible countermeasures, international correlation, etc.) as well as reactive measures (detection of intrusion attempts, coordination of countermeasures, quick information sharing and alerting).

This network provides the specialists with a possibility to quickly contact their counterparts at other providers in cases of detected incidents, which also could affect these. By this a limited assessment of the dimension of an incident is already possible. At the same time a quick and trustfully communication of security incidents takes place, so that adequate countermeasures can be arranged.

Circa contributes to the protection of the internet infrastructure as well as companies, authorities and private persons. Circa also strengthens the stability and the resilience of the Austrian internet.

### **Collaboration between GN2 JRA2 and TF-CSIRT**

Goal: Operate an Advisory Panel of security experts to review results of and to give advice to the JRA2

More Info: <http://www.terena.nl/tech/task-forces/tf-csirt/gn2-jra2.html>

The Task Force CSIRT will collaborate with the Joint Research Activity "Security" (JRA2) in the [GN2 \(GEANT 2\)](#) project. Progress reports from JRA2 will be presented to TF-CSIRT meetings. Ad-hoc groups composed of TF-CSIRT participants may, on request, provide JRA2 with advice on specific topics. The JRA2 team will have meetings adjacent to TF-CSIRT meetings; possibly joint meetings of TF-CSIRT and the JRA2 team will be organised. The chairman of TF-CSIRT and the leader of the JRA2 activity will appoint the members of a JRA2 advisory panel.

### **Dutch national cooperation (o-IRT-o)**

Target Audience: Incident handlers in the Netherlands



More info: <http://www.cert.nl/>

o-IRT-o stands for the Dutch name 'operationeel Incident Response Team overleg' (operational Incident Response Team meeting). This forum is initiated by GOVCERT.NL in 2002. At the moment 31 organizations are participating in o-IRT-o.

o-IRT-o is a group of incident handlers from the public and private sector in the Netherlands. Participants from the private sector are handlers at ISP's, banks, multi-national or industrial companies. From the public sector GOVCERT.NL is participating but also universities, employees from the national police force and the High-Tech Crime Center.

GOVCERT.NL facilitates this forum to stimulate the exchange of knowledge about various security- and incident-related topics like incidents, security-threat trends and best practices. Also, we would like to stimulate that incident handlers in the Netherlands know each other and that they can co-operate together during serious incidents.

Participants of o-IRT-o have signed a non-disclosure agreement. This agreement is signed on behalf of the person, not on behalf of the organization where the participant works for.

## **EGC – European Government CSIRTs Group**

Target Audience: European Government CERTs

More Info: <http://www.egc-group.org/>

The European Government CSIRTs group (EGC) is an informal group of governmental CSIRTs that is developing effective co-operation on incident response matters between its members, building upon the similarity in constituencies and problem sets between governmental CSIRTs in Europe.

To achieve this goal, the ECG group members will:

- Jointly develop measures to deal with large-scale or regional network security incidents
- Facilitate information sharing and technology exchange relating to IT security incidents and malicious code threats and vulnerabilities
- Identify areas of specialist knowledge and expertise that could be shared within the group
- Identify areas of collaborative research and development on subjects of mutual interest
- Encourage formation of government CSIRTs in European countries

- Communicate common views with other initiatives and organisations.

## **NordUNET**

Target Audience: CERTs in northern Europe/Scandinavia

More Info: <http://www.nordu.net/>

NORDUnet is an international collaboration between the Nordic national networks for research and education. It interconnects these networks and connects them to the worldwide network for research and education and to the general purpose Internet. The current physical connections are shown on the [connectivity map](#).

NORDUnet provides its services by a combination of leased lines and Internet services provided by other international operators. In addition to the basic Internet service NORDUnet operates information services and provides USENET NetNews and Multicast connectivity to the Nordic national networks.

NORDUnet also coordinates the Nordic national networks' IPv6 activities including the 6NET project and the national networks' CERT (Computer Emergency Response Team) activities.

NORDUnet has only few permanent employees. Most of the work is contracted to appropriate organisations in the Nordic area. NORDUnet is the result of the NORDUNET programme (1986 to 1992) financed by the Nordic Council of Ministers.

## **TF-CSIRT - Task Force of Computer Security and Incident Response Teams**

Target Audience: European CERTs

More Info: <http://www.terena.nl/tech/task-forces/tf-csirt/>

This Task Force is established to promote the collaboration between Computer Security Incident Response Teams (CSIRTs) in Europe. The main goals of the Task Force will be to provide a forum for exchanging experiences and knowledge, to establish pilot services for the European CSIRTs community and assist the establishment of new CSIRTs, to promote common standards and procedures for responding to security incidents.

The Task Force is established under the auspices of the TERENA [Technical Programme](#) to promote the collaboration between Computer Security Incident Response Teams (CSIRTs) in Europe. The aim of the Task Force is:

- to provide a forum for exchanging experiences and knowledge
- to establish pilot services for the European CSIRTs community
- to promote common standards and procedures for responding to security incidents
- to assist the establishment of new CSIRTs and the training of CSIRTs staff.

The activities of TF-CSIRT are focused on Europe and neighbouring countries, in compliance with the [Terms of Reference](#) approved by the TERENA Technical Committee on 6 June 2006.

#### TF-CSIRT Services

[CSIRT Starter Kit](#) - Frequently Asked Questions for those setting up CSIRTs

[CSIRT mentoring](#)

[Trusted Introducer for CSIRTs in Europe](#)

[IRT Object in the RIPE Database \(ripe-254\)](#)

#### TF-CSIRT activities

[CHIHT - Clearinghouse of Incident Handling Tools](#)

[IODEF - Incident Object Description and Exchange Format](#) (now completed)

[IRT Object](#)

[CSIRTs and Grids](#) - draft discussion paper, v0.5 (14/07/2005)

[VEDEF - Vulnerability and Exploit Description and Exchange Format WG](#)

[RTIR - Request Tracker for Incident Response WG](#)

[Collaboration with GN2 JRA2](#)

### **TI - Trusted Introducer**

Target Audience: European CERTs

More Info: <http://www.trusted-introducer.nl/>

Hackers, viruses, and other security incidents pose an ever growing threat to the smooth operation of the Internet, which has by now become the main artery of information in the world and a major economic factor. Professionally managed networks have therefore established teams known as CSIRTs to deal with security incidents. Historically such teams were known as CERTs (Computer Emergency Response Teams). Collaboration between these teams is crucial because in many cases incidents originate from outside the network that is being affected. Such collaboration needs to be based on sufficient trust between the teams; reliable CSIRTs together form a closely-knit community, which is sometimes referred to as a "Web of Trust".

Originally the "Web of Trust" was based on personal relations between staff members of the CSIRTs concerned. However, with the growth of the Internet, and hence of the number of CSIRTs, and with frequent staff changes this is no longer feasible. Also procedures whereby a team is introduced into the "Web of Trust" on the basis of a recommendation from a CSIRT that is already in that Web have turned out not to be scalable. The Trusted Introducer Service (TI) has been set up to address this problem.

The TI provides European CSIRTs (Computer Security Incident Response Teams) with a public repository that lists [all known European CSIRTs](#) and explains about the TI's accreditation service. This service is meant to do just that: facilitate trust by formally accrediting CSIRTs that are ready to take that step. For a CSIRT to proceed from the status of "listed" to the status of "accredited" they need to go through a formalized [accreditation scheme](#). Once "accredited" they gain access to the restricted TI repository: there they find the details about their fellow accredited CSIRTs, and several value-added services like readily downloadable contact lists and PGP-Keyrings, secure discussion forum, automatic RIPE Database IRT-object registration and more.

A crucial service that is part of the accredited status of CSIRTs is maintenance: in a four-monthly cycle the actuality of data is verified with the accredited CSIRTs to prevent these data from going out-of-date.

#### Short History

Originally commissioned by [TERENA](#), the process for the Trusted Introducer - often referred to as just "TI" - was developed by Don Stikvoort and Klaus-Peter Kossakowski. Their work was reviewed by the community of European CSIRTs.

Thereafter, TERENA published a call for proposals to implement the concept of a Trusted Introducer for CSIRTs in Europe. The service then officially commenced on 1. September

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2000. The operator of the service is S-CURE based in The Netherlands, which is an independent company specializing in advanced Internet community services like the TI.

### **LV CSIRT**

Target Audience: IR and Security specialists in Latvia.

More Info: <http://www.csirt.lv/?lang=en>.

LV CSIRT initiative is a forum of incident response and security specialists from various organizations in Latvia.

### **UKCERTs**

Target Audience: CERTs in the UK

UKCERTs is an informal forum of UK CSIRT teams with participants from the government, academic, corporate and commercial CERTs. The forum has quarterly meetings of up to 25 members, with presentations provided by team members and invited information security experts. The forum is designed to encourage co-operation and information sharing between the participants. UK WARP teams also recently attended the meetings, enhancing the relationship between the UK CSIRT and WARP communities.

## 4. CERT supporting activities and projects

### AIRT - Application for Incident Response Teams

Focus: Create tool for Incident Handling / Management.

Target Audience: CERTs and other Incident Handling Capacities

More Info: <http://www.airt.nl>

Computer security incident response teams need to track incidents as they develop. AIRT is a web-based system to provide incident tracking capabilities with built-in support for:

- Comprehensive incident management console
- IP based search of previous incidents
- Email templates
- Common AIRT export format for sharing incident data
- Package-independent site configuration so upgrades do not invalidate work
- Automatic import of incident data from different sources
- Asynchronous command execution
- Machine-usable web services interface
- etc.

### CERT-in-a-box/Alerting-Service-in-a-box

Focus: Setting up a CERT

Target Audience: CERTs in creation.

More Info: <http://www.govcert.nl/render.html?it=69>

The project 'CERT-in-a-Box' and 'Alerting service-in-a-Box' is an initiative of GOVCERT.NL to preserve the lessons learned from setting up GOVCERT.NL and 'De Waarschuwingsdienst', the Dutch national Alerting service.

The project aim is to help others starting a CSIRT or Alerting Service by:

- Getting them up to speed faster

- Taking the benefits and not making the same mistakes

The CSIRT/CERT model can help you to get your organisation moving in matters of security handling and prevention, setting up the necessary policies for security and safe working methods and creating a security-aware culture within your company or Government. Some quotes to bear in mind when starting the implementation phase:

- 'Security is not a product but it is a process' - by Bruce Schneier
- 'Plan your dive and dive your plan' - PADI diving rule
- 'A CSIRT team is like a fire-brigade! It's just sad we don't have those shiny fire engines' - HB

### CSIRT mentoring scheme

Focus: Help new CERTs making “first steps”

Target Audience: Newly founded European CERTs

More Info: <http://www.terena.nl/tech/task-forces/tf-csirt/mentoring.html>

Starting or developing a CSIRT can sometimes seem a daunting step. Although there is a considerable amount of published material available, for example from the CERT Co-ordination Center's (CERT/CC) new teams support group in America and TERENA's CSIRT Task Force (TF-CSIRT) in Europe, new teams may also find it helpful to be able to talk to someone from an existing CSIRT for either information or reassurance. Many CSIRTs have offered an informal mentoring service for some time: this website aims to provide a single source of information about mentoring for new teams, particularly in Europe and neighbouring countries.

There are already a large number of national and international CSIRTs in Europe, covering education, government and commercial sectors. Although their first priority is to protect and inform their own constituencies, many of them are also prepared to volunteer some of their staff's time to help others who are trying to establish or develop their own teams. This help might cover, for example, informal advice when planning or establishing a team or help with the Trusted Introducer or FIRST membership processes. Depending on the mentor team, help might be provided by e-mail or telephone or by face-to-face meetings.

## Clearinghouse of Incident Handling Tools CHIHT

Focus: Promote best tool for a specific task

Target Audience: European CERTs and (partially) other interested groups

More Info: <http://www.enisa.europa.eu/act/cert/support/chiht>

This is a pilot site for a proposed collection of tools and guidelines of their use intended for incident handling teams. Information on this site reflects the experience of a number of European CSIRTs, working together as a project in the framework of the TERENA's Task Force TF-CSIRT.

The goal of this project is to provide the CERT community with a repository of information about useful tools for a specific CERT task. All the tools listed are actually in use by at least one of the teams in the TF-CSIRT community.

## CSIRT Starter Kit

Focus: Established CERTS help new CERTs with the “first steps”

Target Audiences: Newly set up CERTs; CERTs in setting up process

More Info: <http://www.terena.nl/tech/task-forces/tf-csirt/starter-kit.html>

Many organisations are interested in having their own team to handle computer security incidents, but don't know where to start. Nowadays the problem is not that there is not enough information, rather that there is too much. This page therefore gives pointers to the first things you should read, before moving on to more comprehensive sites such as that maintained by the [CERT Co-ordination Center](#) (CERT-CC).

## Handbook of legislative Procedures for CSIRTs

Focus: Helping CSIRTs to deal with cyber-crime law

Target audience: European CERTs

More Info: [http://www.rand.org/pubs/technical\\_reports/TR337/](http://www.rand.org/pubs/technical_reports/TR337/)



In 2003 the European Commission commissioned RAND Europe to develop a Handbook that provided an easy to use guide matching technical descriptions of incidents to the legal framework of the country in question, and detailed procedures for working with law enforcement to respond to incidents. This handbook was tailored to the user requirements of Europe's Computer Security Incident Response Team (CSIRT) community. RAND Europe and Lawfort were invited to update this first version of the Handbook, to take into account the recent developments in the legal framework in the EU and more importantly, to extend its scope to cover the situation in the 10 new Member States which joined the European Union on 1st May 2004. The MODINIS work programme supports this activity under the heading of "favouring co-ordination between CSIRTs."

The project has developed a report that provides an easy-to-read overview of the legal procedures of computer and network misuse in EU Countries for Assisting Computer Security Incident Response Teams (CSIRTS). This handbook provides user-friendly access to up to date information on rules and regulations concerning computer misuse and the collection and reporting of computer evidence currently in force in all 25 EU countries, together with guidelines as to when and how law enforcement must be informed of incidents. The project team has also developed a CD-ROM and a dedicated open website where CSIRT teams and other interested parties can access to information about national legal approaches to cybercrime in Europe. For more information about the project, please contact Lorenzo Valeri ([lvaleri@rand.org](mailto:lvaleri@rand.org)) and Neil Robinson ([neilr@rand.org](mailto:neilr@rand.org)).

## The RIPE IRT object

Focus: Help CERTs to find responsible contacts

Target Audiences: CERTs and other Incident Handling Capacities

More Info:

- RIPE document "IRT Object in the RIPE Database": <http://www.ripe.net/ripe/docs/ripe-254.html>
- TF-CSIRT documents: <http://www.terena.nl/tech/task-forces/tf-csirt/irt.html>

When a computer/network security incident happens, such as DOS (Denial of Service) or spam attack, or other abuse of services, it is important to know whom to contact. The RIPE Database provides the facility to get administrative and technical contacts for a network where the attack came from by a simple IP lookup. In many cases such incidents are handled by

CSIRTs whose contacts are different from those listed in "admin-c:" and "tech-c:" attributes. Unfortunately there is no easy way to identify which CSIRT is serving any given IP address.

Also, presenting additional information, such as public certificates of a CSIRT, and query functionality that allows searching for the responsible team would facilitate prompt incident handling.

### **RTIR - Request Tracker for Incident Response WG**

Focus: Extend "Request Tracker" program to fit the needs of CERT

Target Audiences: CERTs and other Incident Handling Capacities

More Info: <http://www.terena.nl/tech/task-forces/tf-csirt/rtir.html>

The Task Force will define a way to set requirements, investigate ideas, develop new modules and generally monitor the progress of the Request Tracker for Incident Response (RTIR) Incident Handling tool. This work will be carried out under a statement of work with Best Practical Solutions LLC or by Task Force participants themselves. The aim of the activity is to extend the current application, by making it more stable and adding new functionality, thus making it more adaptable for the general use of new, as well as established CSIRTs.

### **SIRIOS – System for Incident Response in Operational Security**

Focus: Information Management and Correlation, esp. for Incident Handling

Target Audience: CERTs and other incident handling capacities

More Info: <http://sirios.org>

SIRIOS is a modular application framework designed for Computer Security and Incident Response Teams (CSIRTs) with main focus on incident management and vulnerability handling. It is licensed under the GNU General Public License (GPL). Download and use are free of charge. The core system is based on OTRS, an open-source trouble ticket system. The SIRIOS project was funded in 2003 by CERT-Bund, the German governmental CERT.

As SIRIOS is an 'add on' to OTRS, it ships with all features you should expect of a modern trouble-ticket system. The needs in professional incident handling differ from classic trouble ticket handling. While discussing these different requirements with OTRS, OTRS decided to

adopt some of SIRIOS' features which resulted in a complete rewrite of the OTRS core system. The SIRIOS package contains an adjustable look-and- feel, especially designed to increase effectiveness in incident response.

Further modules are part of the SIRIOS project expanding its functionality in different tasks.

Since SIRIOS is software for dealing with sensitive data, it was developed with security in mind. As a result it comes without any kind of active elements like JavaScript and has sophisticated built-in filters to prevent Cross-Site-Scripting (XSS) attacks. Other important features of the core system:

- A flexible role concept for access rights management
- A workflow engine with the ability to define individual tasks
- A flexible role concept for access rights management
- A workflow engine with the ability to define individual tasks
- Support for PGP and S/MIME
- Automated escalation of tickets
- A customer database providing detailed contact information
- Native language support
- Platform independency allows you to choose the OS of your choice (e.g. Linux, UNIX, and Windows) as long as it supports Apache, Perl and MySQL.

The following modules are available:

- An incident tracking module which is compatible with the IODEF standard
- Central repository for any kind of data (e.g. log files, exploits, binaries)
- A Vulnerability database, which is able to import data from CVE and OSVDB
- Advisory authoring and publishing system -- which is fully compatible with the EISPP standard
- A category tree for IT products
- A module to monitor changes in online resources
- An ISDN interface for event-driven telephone calls
- An IDMEF console for displaying IDS alerts
- A statistics module

## **TRANSITS - Training of Network Security Incident Teams Staff**

Focus: Educate staff of new teams in CERT issues

Target Audiences: CERTs, primarily but not necessarily only newly build ones

More Info: <http://www.terena.org/activities/csirt-training/>

TRANSITS has been a European project to promote the establishment of Computer Security Incident Response Teams (CSIRTs) and the enhancement of existing CSIRTs by addressing the problem of the shortage of skilled CSIRT staff. This goal has been addressed by providing specialist training courses to train staff of (new) CSIRTs in the organisational, operational, technical, market and legal issues involved in providing CSIRT services.

In particular, TRANSITS has

- developed, updated and regularly revised modular training course material
- organized training workshops where the course materials were delivered
- enabled the participation of staff members of (new) CSIRTs in these training workshops, with a particular emphasis on the participation from the EU Accession States
- disseminated the training course materials and ensured exploitation of the results.

The lifetime of the TRANSITS project was from 1 July 2002 until 30 September 2005.

TERENA and FIRST have joined forces to organize further training workshops in Europe after the end of the project. TRANSITS materials are available for members of the CSIRT community to use in their own training courses, provided that these are delivered by experienced CSIRT staff and run on a non-profit basis.

## **The WARP initiative - Warning, Advice and Reporting Points**

Focus: Information Sharing

Target Audience: Small Communities of any type, in UK and elsewhere

More Info: <http://www.warp.gov.uk>

WARPs (Warning, Advice and Reporting Points) are part of [NISCC](#)'s information sharing strategy to protect the UK's Critical National Infrastructure from electronic attack. WARPs have been shown to be effective in improving information security by stimulating better communication of alerts and warnings, improving awareness and education, and encouraging incident reporting. Membership of a WARP can also reduce the costs of good Security

WARP members agree to work together in a community and share information to reduce the risk of their information systems being compromised and therefore reduce the risk to their organisation. This sharing community could be based on a business sector, geographic location, technology standards, risk grouping or whatever makes business sense.

WARPs can deliver more effective and lower cost security by providing to members:

- A trusted environment
- Security information filtering
- Access to expert advice
- Early warning of threats
- Strategic decision support
- Improved awareness

WARPs are currently established in the following sectors: Local Government, SMEs, Voluntary, Home Users, Emergency Services, Managed Service Providers, but are suitable for all types of community.

#### The WARP Toolbox

NISCC provides interested parties with a comprehensive Toolbox to help build new WARPs. The [WARP Toolbox](#) website supports the development and provision of three core WARP services, which, between them, deliver all the benefits listed above:

- Filtered Warning Service — where members receive only the security information relevant to their needs as determined by categories selected in an on-line tick-list. These categories cover Warnings & Advisories associated with Vulnerabilities & Fixes; Threats & Incidents and Good Practice.
- Advice Brokering Service — where members can learn from other members' initiatives & experience at meetings or using a bulletin board messaging service restricted to WARP members only. Subjects can be anything which adds value to the members e.g. patch management; training; supplier/product evaluations, security awareness.
- Trusted Sharing Service — where reports are anonymous so members can learn from each other's attacks & incidents without fear of embarrassment or recrimination.

The Filtered Warnings Application (FWA) is a specially developed software suite that provides personal level filtering of advisories and other notifications for each WARP member, and other membership management services. It was written specifically for the WARP programme and is only available to Registered WARPs (see

<http://www.warp.gov.uk/WarpRegister.htm>). It may be used by some CERTs in cooperation with WARPs, by arrangement. The FWA software will use an XML schema based on the VEDEF standard to encourage a standardised but flexible Advisory format for use by all WARPs, and CERTs etc.

## 5. CERT standardisation activities

### CAIF - Common Advisory Interchange Format

Standardisation: Exchange Format for security advisories

More Info: <http://cert.uni-stuttgart.de/projects/caif/>

CAIF is an XML-based format to store and exchange security announcements in a normalized way. It provides a basic but comprehensive set of elements that are designed to describe the main aspects of an issue related to security. The set of elements can easily be extended to reflect temporary, exotic or new requirements in a per-document manner. Besides addressing more than one problem within a single document the format allows to group information for more than one target group of readers as well as multi-lingual textual descriptions within one document. This can be used to selectively produce different renderings of an announcement for the intended target groups addressing one, a sub-set, or all problems multi- or mono-lingual in the languages provided.

### DAF - Deutsches Advisory Format/German Advisory Scheme

Standardisation: Exchange Format for security advisories, deducted from EISPP

More Info: [http://www.cert-verbund.de/daf/daf\\_description.html](http://www.cert-verbund.de/daf/daf_description.html)

DAF is an initiative of the German CERT-Verbund and is a core component of an infrastructure for the generation and of security advisories by different teams. DAF is especially tailored for the needs of the German CERTs, which is developed and maintained by CERT-Bund, DFN-CERT, PRESECURE and Siemens-CERT.

The goals of the cooperation in the area of security advisories are:

- Improve the quality of advisories
- Quality assurance
- Development of a model for system description
- Establishment of a common rating scheme
- Release of resources for better analysis capabilities

DAF is derived from EISPP, a project co-funded by the European Community under the Fifth Framework Programme.

### **EISPP - European Information Security Promotion Program**

Standardisation: Exchange Format for security advisories

The European Information Security Promotion Programme (EISPP) is a project co-funded by the European Community under the Fifth Framework Programme. The EISPP project aims to develop a European framework, not only to share security knowledge but also to define the content and ways of disseminating security information to SMEs. By providing European SMEs with the necessary IT security services they will be encouraged to develop their trust and usage of e-commerce leading to increased and better opportunities for new business. The EISPP is a pioneer in the European Commission's vision of forming a European network of expertise within the European Union.

The project started in June 2002 and ran until January 2004. It has been run by a consortium of private sector organisations, comprising CERTs, ISP/ASPs, and Security professional organisations. The Consortium members are Cert-IST, esCERT-UPC, SIEMENS-CERT, Callineb Consulting, I-NET, CLUSIT and InetSecur.

### **IODEF - Incident Object Description and Exchange Format**

Standardisation: Exchange format for incident related data.

Target Audiences: CERTs and other Incident Handling Capacities

More Info:

- Pages of the IODEF Working group (dissolved in 2002): <http://www.terena.nl/tech/task-forces/tf-csirt/iodef.html>
- Pages of the INCH Working group: <http://www.ietf.org/html.charters/inch-charter.html>

Security incidents are becoming more common and more serious, and handling these incidents by Computer Security Incident Response Teams (CSIRTs) is becoming of increasing (commercial) importance. Incidents usually involve multiple CSIRTs of multiple administrative domains, each with their own incident handling systems, formats and procedures. To properly resolve an incident the involved CSIRTs need to exchange data related to the incident. To minimize the time spent on each incident and to allow for further automation of the incident



handling process and let incident handlers spend their time on incident handling instead of pumping data around, it would be advantageous to have a standardized incident data format and standardized incident data exchange procedures.

A standardized extendable data format and standardized incident exchange procedures would also allow aggregation of incident data across multiple administrative domains thus creating the possibility to create automated regular statistics. These statistics are an important enabler for the CSIRT community to spot trends, predict upcoming large-scale attacks, and so on.

The purpose of the Incident Object Description and Exchange Format Working Group is to define a common data format and common exchange procedures for sharing information needed to handle an incident between different CSIRTs and to exchange incident related data between CSIRTs that allows both known and new types of incidents to be formatted and exchanged. The Incident Object Description and Exchange Format Working Group will coordinate its efforts with other (IETF) Working Groups.

In 2002 the IODEF Working group was dissolved and the results transferred to the INCH Working group of the IETF.

## **VEDEF - Vulnerability and Exploit Description and Exchange Format**

### **SecDEF - Security Description and Exchange Format**

Standardisation: Exchange format for security information, vulnerabilities and exploits.

Target Audiences: CERTs and other Incident Handling Capacities

As part of its role on encouraging a 'culture of security' across central and local government, the private sector, and the general public, the Central Sponsor for Information Assurance (CSIA) is participating in initiatives to evolve structured data exchange standards, based upon XML, for UK and international use within Information Assurance (IA).

The overall Security Description and Exchange Format (SecDEF) is a federated effort to encourage the crystallisation of various XML based Description and Exchange Formats (DEF) to support Information Exchange Requirements (IER) related to Security Information where there is a need to cross Management Domains.

Of these initiatives, the one that has been running the longest, is the Vulnerability and Exploit DEF (VEDEF) <http://www.terena.org/activities/tf-csirt/vedef.html> , for which the CSIA-chaired Working Group of the European Task Force on Computer Security Incident Response Teams [TF-CSIRT](#) which grew out of earlier UK work by CSIA's colleagues in the National Infrastructure Security Coordination Centre NISCC has been the main focus. CSIA have also been working with other international parties to encourage the evolution of VEDEF, including partners in the USA and Japan.

## 6. Updates

To be really useful in the future, this document has to be updated: obsolete information will have to be deleted; information about new teams and activities will have to be validated and added. This document lives from your feedback! So please report mistakes, changes and new information by e-mail to [cert-Relations@enisa.europa.eu](mailto:cert-Relations@enisa.europa.eu) !

## 7. Annex A: International CERT co-operation and initiatives inside and outside of Europe

### AP-CERT - Asia Pacific Computer Emergency Response Team

More Info: <http://www.apcert.org/>

APCERT (Asia Pacific Computer Emergency Response Team) is a coalition of CSIRTs (Computer Security Incident Response Teams), from 13 economies across the Asia Pacific region. APCERT organizes an annual meeting called APSIRC conference, and the first conference was held in March 2002, Tokyo, Japan.

#### Membership

Any CSIRT from Asia Pacific Region, who is interested to furthering the objectives of APCERT, will be allowed to join as APCERT members after meeting all member accreditation requirements.

APCERT membership model has 2 levels:

#### Full members:

Full Members are CSIRTs/CERTs in the Asia Pacific region, who have the right to vote on APCERT issues, as well as to stand for election to the APCERT Steering Committee. All Founding Members are Full Members.

#### General Members:

Any CSIRTs/CERTs in the Asia Pacific region with an interest in incident response and IT security can join APCERT as a General Member. General Members are not eligible to vote or to stand for election to the APCERT Steering Committee. An applicant is required to join APCERT as a General Member first. After applicants obtain a General Member status, they can later apply to upgrade their membership to a Full Member status. General Membership is a pre-requisite to become a Full Member.

Accreditation WG is working to develop the membership accreditation rule now. Membership application will be on the web soon.

## FIRST - Forum of Incident Response and Security Teams

More Info: <http://www.first.org/>

The Forum of Incident Response and Security Teams (FIRST) consists of a network of individual computer security incident response teams that work together voluntarily to deal with computer security problems and their prevention. These teams represent government, law enforcement, academia, the private sector, and other organisations with justifiable interest as determined by the Steering Committee.

### Vision

FIRST is a premier organisation and recognized global leader in incident response. Membership in FIRST enables incident response teams to more effectively respond to security incidents by providing access to best practices, tools, and trusted communication with member teams.

### Mission Statement

- FIRST is an international confederation of trusted computer incident response teams who cooperatively handle computer security incidents and promote incident prevention programs.
- FIRST members develop and share technical information, tools, methodologies, processes and best practices
- FIRST encourages and promotes the development of quality security products, policies & services
- FIRST develops and promulgates best computer security practices
- FIRST promotes the creation and expansion of Incident Response teams and membership from organisations from around the world
- FIRST members use their combined knowledge, skills and experience to promote a safer and more secure global electronic environment.

### Organisation

#### Steering Committee

The Steering Committee is a group of individuals responsible for general operating policy, procedures, and related matters affecting the FIRST as a whole.

#### Board of Directors

The Board of Directors is a group of individuals responsible for general operating policy, procedures, and related matters affecting the First.Org, Inc., corporation as a whole.

### **Secretariat**

The Secretariat serves as an administrative point for FIRST and provides a general contact for FIRST.

### **Member Teams**

The incident response teams participating in FIRST represent organisations who assist an information technology community or other defined constituency in preventing and handling computer security-related incidents.

### **Liaisons**

Individuals, representatives of organisations other than incident response or security teams that have a legitimate interest in and value to FIRST.

### **WG & Committees**

FIRST Steering Committee establishes standing (permanent) and ad-hoc (temporary) committees in order to better achieve FIRST goals.

### **History**

In November 1988, a computer security incident known as the "Internet worm" brought major portions of the Internet to its knees. Reaction to this incident was isolated and uncoordinated, resulting in much duplicated effort, and in conflicting solutions. Weeks later, the CERT Coordination Center was formed. Soon after, the United States Department of Energy formed the Computer Incident Advisory Capability (CIAC) to serve its constituents.

Over the next two years, the number of incident response teams continued to grow, each with its own purpose, funding, reporting requirements, and constituency. The interaction between these teams experienced difficulties due to differences in language, time zone, and international standards or conventions. In October 1989, a major incident called the "Wank worm" highlighted the need for better communication and coordination between teams.

The FIRST was formed in 1990 in response to this problem. Since that time, it has continued to grow and evolve in response to the changing needs of the incident response and security teams and their constituencies.

By 2002, the Internet had grown from 60,000 host computer systems to 150 million in nearly all countries in the world (see Internet Domain Survey at the Internet Software Consortium).

Many companies now rely on the Internet in their daily business transactions. Incident response and security teams continue to form around the globe, covering a range of constituencies from whole countries, to multi-national organisations. The FIRST membership consists of teams from a wide variety of organisations including educational, commercial, vendor, government and military.

### NCIRC NATO Cyber Defence Workshops

More Info: <http://www.ncirc.nato.int/>

Following the decisions taken during Prague (2002) and Istanbul (2004) summits, NATO started the implementation of its CERT, called NCIRC, including an Intrusion Detection System. The Initial Operation Capability has been installed in SHAPE, Mons, Belgium.

To facilitate the process of establishing a NATO CERT, every six months delegates from nations belonging to NATO meet at NCIRC security workshops. The goals of those meetings are to:

- Improve and share corporate knowledge on computer security incident handling within NATO and with NATO Nations
- Develop a Handbook – “essential document to define the conceptual and operational framework of CIRC activities “
- Focus on three specific subject areas:
  - Technical Expertise and Standard Operation Procedures for analysis of specific computer incidents and IDS events
  - Forensics and Law Enforcement
  - Cyber Defence Exercises

In those meetings specialists from military, but also civil and governmental CERTs take part (GovCERT.NL, UNIRAS, CERTA, NOR-CERT, CERT Polska). One of the secondary effects of NCIRC workshops is the facilitation of establishment of new governmental CERTs in some countries, based on the solutions worked out during NCIRC workshops.

## 8. Annex B: Version History

**v1.0: (12/2005)** Initial release as ENISA deliverable for 2005

**v1.1: (12/2005)** First review; eliminated some errors (map updated to v1.1)

**v1.2: (02/2006)** Added/deleted some teams; design of the online version (map updated to v1.2)

**v1.3: (10/2006)** (map updated to v1.3):

- Changed TI-Status and URL of Cert-IST (France)
- Changed TI-Status, URL and FIRST membership of CERT-Hungary (Hungary)
- Changed the URL of GovCERT.IT (Italy)
- Added team and text about CERT Estonia (Estonia)
- Added team and text about Ulak-CSIRT (Turkey)
- Updated text about E-Coat (CERT co-operation activities and projects in Europe)
- Updated text about TF-CSIRT (CERT co-operation activities and projects in Europe)
- Updated text about SIRIOS (CERT supporting activities and projects)
- Added text about NCIRC NATO Cyber Defense Workshops (International cooperation)
- Added SWITCH CERT as a new member in EGC
- Updated team name Ericsson PSIRT (Formerly ETSIRT), TI-Status, TI-URL, and Constituency
- Updated TI-Status, URL and Constituency of NorCERT
- Added team and text about LATNET CERT (Latvia)
- Added team and text about CERT-RRT (Lithuania)
- Updated team name RBSG-ISIRT (UK, from RBSG), TI-Status, TI-URL, and Constituency
- Added team and text about BP DSAC (UK)
- Added team and text about SAP CERT (Germany)

**v1.4: (12/2006)** Inventory and map updated to v1.4:

- Updated text about SIRIOS (CERT supporting activities and projects)
- Added Dutch national cooperation (o-IRT-o) (CERT co-operation activities and projects in Europe)
- Removed team CERT-AM(11) (Italy) as this group is now considered the constituency of GovCERT.it
- Removed team MBDA SMT (Italy) due to the lack of publicly available contact information
- Removed team OPS-Security (Italy) as it was absorbed by Telecom Italia (S2OC)
- Updated constituency information for GovCERT.it (Italy) to include CERT-AM(21)



- Updated the URL of CERT ENEL (Italy)
- Updated the URL of CERT-RAFGV (Italy)
- Updated the URL of S2OC (Italy)
- Updated the URL and team name of SOC-IDS-CEI (Italy) to SICEI-CERT
- Updated team name of Abuse TP S. A. (Poland) to TP CERT (<http://www.tp.pl/cert>)
- Added IRT symbol on the map next to the teams that take use of the RIPE IRT Object

### **v1.5: (09/2007) Inventory and map updated to v1.5:**

- Added team and text about CSIRT.FEUP (Portugal)
- Added team and text about CCN-CERT (Spain)
- Added team and text about INTECO CERT (Spain)
- Added team and text about DDIRV (Latvia)
- Added team and text about DCSIRT (UK)
- Added team and text about GovCertUK (UK)
- Changed NorCERT (Norway) to TI status "Accredited"
- Changed Ulak-CSIRT (Turkey) to TI status "Accredited"
- Changed team name of JANET-CERT (UK) to JANET CSIRT
- Changed team name of BT SBS (UK) to BTGS
- Changed team name of UNIRAS (UK) to CPNI and updated the text
- Changed the URL of EGC (European Government CERT Group)
- Removed PERMALAN (no longer listed on FIRST)
- Removed mCERT (has ceased to exist)

### **v1.6: (05/2008) Inventory and map updated to v1.6:**

- Removed BTGS (UK), no longer operational according to TI
- Removed CSRRT-LU (Luxembourg), seems no longer operational
- Moved SKY-CERT (UK) to SKY-CERT (Estonia) based on TI listing change
- Changed team name of CERT Estonia (Estonia) to CERT-EE based on TI listing
- Changed team name of LATNET CERT (Latvia) to CERT NIC.LV and updated the text
- Added team and text about CERT GOV PL (Poland) [www.cert.gov.pl](http://www.cert.gov.pl)
- Added team and text about CERT.AT (Austria) [www.cert.at](http://www.cert.at)

- Added team and text about RESTENA-CSIRT (Luxembourg) [www.restena.lu/csirt/](http://www.restena.lu/csirt/)
- Added team and text about CERT-IPN (Portugal) [www.cert.ipn.pt](http://www.cert.ipn.pt)
- Added team and text about e-LC CSIRT (Spain) based on FIRST database
- Added team and text about ING Global CSIRT (Netherlands) based on TI listing and FIRST database
- Added team and text about UIO-CERT (Norway) based on TI listing
- Fixed URLs of CERT-Difesa and CERT-RAFVG (Italy)
- Added TI status and Link to GovCertUK (UK)
- Added Latvian national cooperation (LV CERT) (CERT co-operation activities and projects in Europe)

#### **v1.7: (10/2008) Inventory and map updated to v1.7:**

- Re-inserted team CSRRT-LU (Luxembourg) based on Luxembourg National Liaison Officer feedback
- Added team and text about CIRCL (Luxembourg) based on Luxembourg National Liaison Officer input and TI listing
- Added team and text about FORTH CERT (Greece) based on direct input and TI listing
- Added team and text about CSIRT.CZ (Czech Republic) based on direct input and TI listing
- Added team and text about CZNIC-CSIRT (Czech Republic) based on TI listing
- Added team and text about RoCSIRT (Romania) based on TI listing
- Added team and text about CSIRTCV (Spain) based on direct input from Spanish officials and TI listing
- Changed team name of CPNI (UK) to CSIRTUK based on TI database update
- Changed team name and text of Micro-BIT (Germany) to BFK based on DFN-CERT input and FIRST database
- Changed team name and text of CERT-RRT (Lithuania) to CERT-LT ([www.cert.lt](http://www.cert.lt)) based on the input from the Lithuanian National Liaison Officer
- Updated team information of CERT-IPN (Portugal) based on direct input and TI listing
- Updated following teams to "TI accredited": CERT-EE, CERT NIC.LV, TR-CERT, Ulak-CSIRT, INTECO-CERT

#### **v1.8: (05/2009) Inventory and map updated to v1.8:**

- Changed team info: RESTENA-CSIRT (Luxembourg) has finished the accreditation process successfully
- Added team and text about IRISS CERT (Ireland) based on TI listing
- Added team and text about CERT ZSIS (Croatia) based on TI listing
- Added team and text about CERT Bulgaria (Bulgaria) based on TI listing
- Added team and text about Jumper CSIRT (Ireland) based on TI listing
- Added team and text about POPCAP-CSIRT (Ireland) based on TI listing
- Added team and text about CERT-LT (Lithuania) based on TI listing
- Changed text of RM CSIRT (UK) the whole name in breakages and added URL

- Updated the TI URL & web URL of Cisco PSIRT (UK)
- Updated the TI URL of BTCERT CC (UK)
- Updated the TI URL of CERT PT (Portugal)
- Updated the TI URL of Uninett CERT (Norway)
- Added the FIRST URL of AAB-GCIRCT (Netherlands)
- Updated the web URL of OxCERT (UK)
- Changed team name of SURFnet-CERT (Netherlands) to SURFCERT based on TI database update
- Updated the web URL of CERT Renater (France)
- Added the FIRST URL of FSC-CERT (Germany)
- Updated the URL of GNS-CERT (Germany)
- Added the FIRST URL of BFK (Germany)
- Updated the web URL of PRE-CERT (Germany)
- Changed team info: FORTH CERT (Greece) has finished the accreditation process successfully
- Added the web URL of RoCSIRT (Romania)
- Added the web URL of esCERT-UPC (Spain)
- Updated the TI URL of GOVCERT.NL (Netherlands)
- Updated the URL of SURFnet CERT (Netherlands)
- Activated the web URL of Ulak-CSIRT (Turkey)
- Deleted the web URL of BT CERT CC (United Kingdom)
- Updated the web URL of JANET-CSIRT (United Kingdom)
- Changed country name from The Netherlands to Netherlands (The)
- Changed location of NCIRC CC (Belgium) to the "world-wide"
- Changed team info to accredited: DDIRV (Latvia)
- Changed team info to accredited: CERT-LT (Lithuania), added TI URL
- Changed team info to accredited: RBSG-ISIRT (UK)
- Updated the web URL of HEANET (Ireland)
- Added the TI URL of RESTENA (Luxembourg)

### **v1.9: (11/2009) Inventory and map updated to v1.9:**

- Added team and text about [IST-SVDPT](#) (Lithuania) based on TI listing
- Added team and text about [KIT-CERT](#) (Germany) based on TI listing

- Added team and text about CERT.BE (Belgium) based on TI listing
- Added team and text about SIST (Sweden) based on TI listing
- Added team and text about R-IT-CERT (Austria) based on TI listing
- Added team and text about CERT-Societe Generale (France) based on TI listing
- Added team and text about HR-CERT (Croatia) based on TI listing
- Added team and text about EGEE OSCT (International) based on TI listing
- Added team and text about CSIRT-MU (Czech Republic) based on TI listing
- Added team and text about CERT-UA (Ukraine) based on TI listing
- Added team and text about CERT AzEduNET (Azerbaijan) based on TI listing
- Added team and text about CERT-GE (Georgia) based on TI listing
- Deleted team and text about T-COM-CERT (Germany) based on received info
- Added team and text about GOVCERT (Austria) based on Austria's request
- Added team and text about SWAT (Denmark) based on FIRST membership
- Added team and text about SECUNIA (Denmark) based on FIRST membership
- Added team and text about FSLabs (Finland) based on FIRST membership
- Added team and text about ISIRT (France) based on FIRST membership
- Added team and text about RABOBANK (Netherlands) based on FIRST membership
- Added team and text about IRT-Edutel-CSIRT (Netherlands) based on IRT entry/request
- Changed team info to accredited: FORTH CERT (Greece)
- Updated the web URL of HEANET CERT (Ireland)
- Changed constituency info: IRIS-CERT (Spain)
- All URLs updated (TI, FIRST)
- All constituency descriptions change to "sector" description
- Added team and text about APOGEE SecWatch (France) based on TI listing

#### **V2.0: (06/2010) Inventory and map updated to v2.0:**

- Changed status about KIT-CERT (Germany) based on TI listing
- Added team and text about Edutel-CSIRT (Netherlands) based on TI listing
- Added team and text about CSIRT BNP Paribas (France) based on TI listing
- Changed status about HR-CERT (Croatia) based on TI listing
- Changed status about CERT.BE (Belgium) based on TI listing
- Added team and text about Swedbank SIRT (Sweden) based on TI listing

- Changed status about IRISS CERT (Ireland) based on TI listing
- Changed information about CSIRT-MU (Czech Republic) based on TI listing
- Changed information about UiO CERT (Norway) based on TI listing
- Changed information about INTECO-CERT (Spain) based on TI listing
- Changed information about NorCERT (Norway) based on TI listing
- Changed information about R-IT CERT (Austria) based on TI listing
- Changed location about ESACERT (Worldwide) based on TI listing
- Added text about CERT NIC.LV (Latvia) based on TI listing
- Changed information about CSIRT-MU (Czech Republic) based on TI listing
- Changed information about CERT.AT (Austria) based on TI listing
- Changed information about HR-CERT(Croatia) based on TI listing
- Changed information about CERT.BE (Belgium) based on TI listing
- Added team and text about Swedbank SIRT (Sweden) based on TI listing
- Added team and text about IBM ERS (International) based on TI listing
- Added team and text about SunCERT (International) based on TI listing
- Changed information about CISCO PSIRT (International) based on TI listing

## **V2.1: (11/2010) Inventory and map updated to v2.1:**

- Removed broken links
- Added S21sec CERT (Spain) based on TI listing
- Added CESICAT-CERT (Spain) based on TI listing
- Added CERT-XMCO (France) based on TI listing
- Added ESISS (UK) based on TI listing
- Added CSIRT.SK (Slovakia) based on TI listing
- Added GovCERT.dk (Denmark) based on TI listing
- Added MD-CERT (Moldova) based on TI listing
- Added Team Cymru based on TI listing
- Updated name of CERT-DVT (formerly APOGEE SecWatch), TI-URL, URL based on TI listing
- Updated name, constituency, TI Link and TI Status information of CZ.NIC-CSIRT (Czech Republic) based on TI listing
- Updated TI Link and TI Status of CSIRTUK (UK) based on TI listing
- Updated link to DDIRV (Latvia)

- Added information about former name of CERT NIC.LV (Latvia)
- Changed the name of LV CERT initiative to LV CSIRT and updated the link
- Added Latvia, Lithuania to the other locations of TS-CERT (Sweden) based on TI listing
- Updated TI Link for KIT-CERT (Germany) based on TI listing
- Updated TI Status of CSIRT-MU (Czech Republic) based on TI listing
- Updated TI Link of HR-CERT (Croatia) based on TI listing
- Updated link to CSIRT.CZ (Czech Republic) based on TI listing
- Updated TI Link, TI Status and FIRST membership information of Nokia NIRT (Finland)
- Added link and constituency information to CERT-Societe Generale (France) based on TI listing
- Added link to Siemens-CERT (Germany) based on TI listing
- Updated link to BP DSAC (UK)
- Changed TI Status of Cisco PSIRT based on TI listing
- Updated link to Jumper CSIRT (Ireland)
- Corrected URL of IRIS-CERT (Spain) based on TI listing
- Updated TI Link of CERT.be (Belgium) based on TI listing

### **V2.2: (1/2011) Inventory and map updated to v2.2:**

- Updated the name of CERT-SE (formerly SITIC) (Sweden)
- Updated information of CZIRT.CZ (Czech Republic)
- Updated information on CERTs in Cyprus
- Added description of TI status “Accredited and Certified”
- Updated TI status of GOVCERT.NL (Netherlands) based on TI listing
- Updated information of IRISS CERT (Ireland) based on TI listing
- Added AZ-CERT (Azerbaijan) based on TI listing
- Updated TI status of CERT-GE (Georgia) based on TI listing

### **V2.3 (2/2011) Inventory and map updated to v2.3:**

- Updated name and information of CERT.LV (Latvia) (formerly CERT NIC.LV)
- Deleted DDIRV (Latvia) due to its merger with CERT.LV
- Updated status of AZ-CERT (Azerbaijan) based on TI listing
- Updated information on CESICAT-CERT (Spain)
- Added CORIS-STIS (Romania) based on TI listing
- Updated status of CERT-DVT (France) based on TI listing

### **V2.4 (3/2011) Inventory updated to v2.4:**

- Updated information about CERT.LV (Latvia)
- Updated information about CIRCL (Luxembourg)
- Updated information about CERT-DEVOTEAM (France)
- Updated TI link of CERT-SE (Sweden)
- Updated information about CERT-MU (Czech Republic) based on TI listing
- Updated TI status of CSIRT.SK (Slovakia) based on TI listing

### **V2.5 (6/2011) Inventory updated to v2.5:**

- Updated information on CORIS-STS (Romania) based on TI listing
- Updated information on CERT-LEXSI (France) based on TI listing
- Updated information on CSIRT.SK (Slovakia) based on TI listing
- Updated information on CERT-GE (Georgia) based on TI listing
- Added AMRES-CSIRT (Serbia) based on TI listing
- Added ETHZ-NSG (Switzerland) based on TI listing
- Updated information on DAN-CERT (UK) based on TI listing
- Updated information on CSIRT-MU (Czech Republic) based on TI listing
- Updated information on SI-CERT (Slovenia) based on TI listing
- Updated information on AZ-CERT (Azerbaijan) based on TI listing
- Updated information on CIRCL (Luxembourg) based on TI listing
- Updated information on ESISS (UK) based on TI listing
- Updated information on SWITCH-CERT (Switzerland) based on TI listing
- Updated information on S21sec CERT (Spain)
- Updated information on CERT.PT (Portugal)
- Updated information on CERT-UA (Ukraine)
- Added csirtPT (Portugal) based on TI listing
- Added MAPFRE-CCG-CERT (Spain) based on TI listing

### **V2.6 (11/2011) Inventory updated to v2.6:**

- Added Cisco CSIRT (World Wide) based on TI listing
- Updated information on EGE OSCT based on TI listing

- Added CERT-EU (European Union) based on TI listing
- Added CERT AM (CERT Armenia) based on TI listing
- Updated information on CSIRT.CZ (Czech Republic)
- Updated information on Danish GovCERT (Denmark)
- Added CERT-GOV-GE (Georgia) based on TI listing
- Added NCERT-GR (Greece) based on TI listing
- Updated information on CIRCL(Luxembourg)
- Updated information on CERT.GOV.PL (Poland)
- Added DGS-IRT (Spain) based on TI listing
- Added CERT-RO (Romania) based on TI listing
- Updated information on CSIRTCV (Spain)
- Updated information on S21sec CERT (Spain)
- Added Handelsbanken SIRT (Sweden) based on TI listing
- Updated information on CERT-SE (Sweden)
- Updated information on Swedbank SIRT (Sweden)
- Added WAR-CSIIRT (United Kingdom) based on TI listing
- Updated information on DCSIRT (United Kingdom)
- Updated information on ESISS (United Kingdom)

### **V2.7 (06/2012) Inventory updated to v2.7:**

- Removed team Cisco CSIRT (International)
- Added team NORDUnet CERT (International) based on TI listing
- Updated information on R-IT CERT (Austria)
- Updated information on CERT Bulgaria (Bulgaria)
- Updated information on CARNet CERT (Croatia)
- Updated information on CERT ZSIS (Croatia)
- Updated information on HR-CERT (Croatia)
- Added team ACTIVE24-CSIRT (Czech Republic) based on TI listing
- Updated information on CESNET-CERTS (Czech Republic)
- Updated information on CSIRT.CZ (Czech Republic)
- Updated information on Danish GovCERT (Denmark)
- Updated information on CERT-EE (Estonia)
- Removed team SKY-CERT (Estonia) due to the lack of publicly available contact information
- Removed team FSLabs (Finland) due to the lack of publicly available contact information
- Updated information on Nokia NIRT (Finland)



- Updated information on CERT-DVT (France)
- Updated information on Cert-IST (France)
- Updated information on CERT-LEXI (France)
- Added team CERT LA POSTE (France) based on TI listing
- Added team Orange-CERT-CC (France) based on TI listing
- Updated information on CERT-GOV-GE (Georgia)
- Updated information on CERT-GE (Georgia)
- Updated information on CERT-BUND (Germany)
- Updated information on CERT-VW (Germany)
- Updated information on ComCERT (Germany)
- Updated information on dCERT (Germany)
- Updated information on FTS-CERT (Germany)
- Updated information on GNS-CERT (Germany)
- Updated information on PRE-CERT (Germany)
- Updated information on SAP CERT (Germany)
- Updated information on SECU-CERT (Germany)
- Updated information on FORTH CERT (Greece)
- Updated information on CERT-Hungary (Hungary)
- Updated information on HEANET-CERT (Ireland)
- Updated information on IRISS CERT (Ireland)
- Updated information on Jumper CSIRT (Ireland)
- Updated information on GOVCERT.IT (Italy)
- Updated information on CERT.LV (Latvia)
- Updated information on LITNET CERT (Lithuania)
- Updated information on CIRCL (Luxembourg)
- Updated information on CSRRT-LU (Luxembourg)
- Updated information on RESTENA-CSIRT (Luxembourg)
- Updated information on AAB GCIRT (Netherlands)
- Updated information on CERT-RUG (Netherlands)
- Removed GOVCERT.NL from the list due to the formation of NCSC-NL (Netherlands)
- Updated information on KPN-CERT (Netherlands)
- Added team NCSC-NL (Netherlands) based on TI listing
- Updated information on RABOBANK SOC (Netherlands)
- Updated information on SURFcert (Netherlands)

- Updated information on DGS-IRT (Portugal)
- Updated information on csirtPT (Portugal)
- Updated information on CERT-RO (Romania)
- Updated information on CORIS-STIS (Romania)
- Updated information on RoCSIRT (Romania)
- Added team CERT-GIB (Russia) based on TI listing
- Updated information on WebPlus ISP (Russia)
- Updated information on CESICAT-CERT (Spain)
- Updated information on S21sec CERT (Spain)
- Updated information on Handelsbanken SIRT (Sweden)
- Updated information on Swedbank SIRT (Sweden)
- Updated information on TS-CERT (International)
- Updated information on CERN CERT (Switzerland)
- Updated information on ETHZ-NSG (Switzerland)
- Updated information on OS-CIRT (Switzerland)
- Updated information on Ulak-CSIRT (Turkey)
- Updated information on WAR-CSIRT (United Kingdom)
- Removed team BP DSAC (United Kingdom) from the list due to the lack of publicly available contact information
- Updated information on DAN-CERT (United Kingdom)
- Updated information on DCSIRT (United Kingdom)
- Updated information on ESISS (United Kingdom)
- Updated information on Q-CIRT (United Kingdom)
- Removed team RM CSIRT (United Kingdom) from the list due to the lack of publicly available contact information