

TF-CSIRT

CSIRT Coordination for Europe

Minutes of the 5th TF-CSIRT Meeting

25 January 2002, Stockholm

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1. Welcome and Apologies

Apologies were received from:

1. Michael H. Behringer, Cisco
2. Wilfried Woeber, AConet
3. Roberto Cecchini, GARR-CERT
4. David Crochemore, CERTA
5. Marco Thorbruegge, DFN-CERT GmbH
6. Robert Morgan, JanetCERT
7. David Maillard, Intexxia
8. Gareth Price, BT Ignite Solutions
9. Claudia Natanson, BT Ignite Solutions

2. Round of Introductions

A list of the 44 attendees for the meeting is attached as an Annex to these minutes.

3. Minutes of the 4th TF-CSIRT Meeting (Manchester, 28 September, 2001)

The minutes of the previous meeting held 28 September 2001 were approved without change.

Status of open actions from previous meetings

ACTION			STATUS
1-10	all	Send pointers to legal information to Andrew Cormack	Ongoing action
3-05	Gilles Andre	Make an outline for a project proposal to the EC concerning secure emergency backup infrastructure for CSIRTs and software patents, and circulate it on the email distribution list	open
3-08	Module editors	Complete draft module and mail to TERENA	Done
3-09	TERENA Secretariat	Put Training material in password protected area of web server	Overtaken by new Actions 5-1 and 5-2.
3-10	Karel Vietsch & Andrew Cormack	Draft a proposal to the Commission regarding the funding of a CSIRT training workshop	Done. Submitted before October 17 deadline
4-01	Andrew	Organise first try-out workshop around	Done, reported to

	Cormack	the next TF-CSIRT meeting on January 24-25, 2002 in Stockholm.	the meeting
4-02	Claudia Natanson	Make presentation on Project proposals at the next TF-CSIRT meeting, if they will be accepted by Commission	Superseded by new action 5-3.
4-03	Karel Vietsch	Contact Commission and organise meeting between EC representatives and TF-CSIRT delegation.	Done, reported to the meeting.
4-04	Wilfried Woeber	Present IRT Contact proposal to Database WG at the next RIPE40 meeting in Prague	Done, proposal approved, IRT object implemented in the test database.
4-05	TERENA and W.Woeber	Prepare proposal about marketing/promotion the use of IRTContact information in the RIPE NCC Database	Prepare discussion at the next TF-CSIRT with the RIPE NCC representatives.
4-06	Jan Meijer	Update IODEF WG Charter and send request for comments to IODEF mailing list.	Done
4-07	Yuri Demchenko	Publish current pre-draft version of IODEF Data Model and XML Data Type Definition document on IODEF mailing list.	Done
4-08	IODEF WG	Request BoF at the next IETF52 in Salt Lake City	Done, INCH BoF took place at IETF52 on December 10, 2001, reported to this meeting
4-09	Jan Meijer	Present IODEF work at the next FIRST Workshop in February 2002	IODEF work included into the FIRST Technical Colloquium Agenda in February.
4-10	CHIHT WG	Report to the next TF-CSIRT meeting about deliverables and timetables	overtaken by new action 5-11
4-11	Klaus Moeller	Contact COMCRIME study's authors via DFN.	Ongoing. Request sent, no reply. One more attempt will be made.
4-12	TF-CSIRT	TF-CSIRT Secretariat to prepare	Done. Initial

	Secretariat	discussion on "Early warning system for TERENA community" (tentative title) at the next TF-CSIRT meeting.	discussion in the Agenda item 6.
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Action 3-09 on TERENA Secretariat to put Training material in password protected area of web server met some technical difficulties in defining the policy for the training materials access, particularly password management and Copyright issues. The ensuing discussion resulted in two new actions:

Action 5-1. TERENA Secretariat to clarify Copyright statements from authors of the training modules and write Copyright statement for the training materials that must reflect interests of the TF-CSIRT community.

Action 5-2. TERENA Secretariat to create password protected area initially with one password and look at its use.

Action 4-02 on Claudia Natanson to make presentation on Project proposals at the next TF-CSIRT meeting, if they would be accepted by Commission, was superseded by new action on Michel Miqueu (CERT-IST) to make presentation on their project (EISPP) that was accepted by EC.

Action 5-3. Michel Miqueu (CERT-IST) to make presentation on EISPP project in May or September TF-CSIRT meeting (decide on date before the end of April).

Damir Rajnovic reminded the meeting about the importance of preserving the former EuroCERT contact information database and proposed to make it an explicit action of the meeting.

Action 5-4. Andrew Cormack to provide TI team access to the old EuroCERT database.

4. "Trusted Introducer" Pilot Service

4.1. Status report - Don Stikvoort, Stelvio

Don Stikvoort made a presentation on the current status and recent developments at the Trusted Introducer. The "Trusted Introducer" Pilot Service has now been running for more than one and a half year. Since the last report on 28 September 2001, 7 new CSIRTs have been accredited as Level 2 teams; in total the Level 2 directory contains 19 teams at the time of this report (25 January 2002). The directory of Level 1 teams (who have applied for being Level 2) now consists of 5 teams. Up-to-date information about Level 2 teams may be found at <http://www.ti.terena.nl/teams/level2.html>. Specific services provided only for Level 2 teams include PGP keyblock information, CSV files with contact information, mailing list. One more item is coming with the introduction of

the IRTContact entry in the RIPE NCC database. There is an idea that TI will provide the first entries to the database and an initial maintenance.

Don presented statistics and trends on the TI process for the first 17 months of its work. It was observed as a stable growth in number of Level 0 and Level 2 teams.

Don's presentation is available from the meeting webpage at <http://www.terena.nl/tech/task-forces/tf-csirt/docs/TI-status-25jan2002-Stockholm.pdf>

Karel Vietsch informed the meeting about the yesterday's meeting of the TI Review Board chaired by Andrew Cormack. The Review Board has the impression that TI is doing well. In view of the TI pilot project finishing in August, the Review Board has to provide a review report on TI at the next TF-CSIRT meeting in Copenhagen.

Action 5-5. TI Review Board to provide review report on TI at the next TF-CSIRT meeting in Copenhagen.

5. Training Workshop for new CSIRTs and discussion how to proceed - Andrew Cormack

Andrew Cormack reported about the experience and results of the first Training course for (new) staff of CSIRTs that was held on January 22-23, 2002 in Farsta. The workshop was attended by 19-22 people during two days programme. Andrew gratefully acknowledged that Telia provided excellent facilities for the workshop.

The feedback from participants was provided via evaluation forms collected from participants after the courses. The course modules (organisational, technical, operational, legal, vulnerabilities) were evaluated on a number of parameters: level, quantity, usefulness, organisation, visual presentation, delivery.

Andrew presented a short summary based on the feedback received from participants. The general impression was that the course seemed to be highly successful. People ranked especially high the technical and legal modules; many useful remarks and suggestions were provided for all modules. Based on the experience of those presenters that had presented materials from other authors who are native speakers of the English language, Andrew proposed that all materials be looked through by non-native English speakers to spot existing difficulties in understanding. This will reduce both possible difficulties for non-author trainers to correctly deliver the course and for participants to understand the information. It was also mentioned that materials should be provided with a lecturer's guide in addition to the standard notes with the slides.

The question of the acceptable number of participants was discussed. People felt that the optimal number for the modules is not more than 10-12 people, to enable interaction between listeners and lecturer. However, it was expected that interest in the course was so

high that easily 20-30 people would apply for participation each time the course was organised. A possible solution might be to split the attendees in two groups and deliver the modules in different order in two parallel groups, as the modules are quite independent.

It was also mentioned that it might be useful to think in due time about second-level courses for those who already passed the first course.

People expressed the opinion that publishing the Summary of course evaluation would be beneficial.

Action 5-6. Andrew Cormack to send the Summary of course evaluation to the list after discussion with course module authors.

The further discussion was focused on how to repeat such courses in the future (or on a regular basis) and how to target the right audience. One of the problems mentioned is the availability of teachers/trainers. To build a pool of available trainers we need to have some financial resources or guaranties which might become available through an EC funded project. Although the first attempt to receive EC funding to develop training materials on Computer Emergency Response failed, there is the intention to submit a new Project proposal to the next 8th FP5 Call for project Proposals with the deadline of February 21, 2002.

Another solution would be to charge participants. It was mentioned that standard commercial courses in the UK cost around 500-600 UKP. In the case of training courses for the TF-CSIRT community we can expect that the attendance fee will need to cover only the cost of trainers and the cost of facilities. A fee of 500 euro would be acceptable for participants from many companies and organisations, and that might go a long way to cover the workshop costs.

Mirosław Maj from CERT Polska suggested that when courses will target audiences from Central and Eastern European countries (CEEC) travel costs for participants can be minimized by selecting the venue closer to these countries. He offered NASK's offices in Warsaw as a suitable location..

In cases when the target audience will be Eastern European countries (EEC) and countries of the Former Soviet Union (FSU), we can possibly apply for NATO funding. TERENA staff will have a meeting with NATO officials in February to discuss possible future NATO workshops, and will then bring up the issue of the CSIRT training courses. Ian Bryant volunteered to check these issues with his colleagues from NATO during their next common meeting.

Action 5-7. Ian Bryant to check NATO's interest in subsidising special training and assisting in establishing new CSIRTs in EEC and countries of the FSU.

The possibility of obtaining industrial sponsorship for the training courses was also discussed, but was thought not to be feasible.

Then practical issues around preparing subsequent training workshopss were discussed. Karel Vietsch mentioned that the TERENA Secretariat can provide secretarial support for the next courses and if funding has been found can carry additional financial risks, as TERENA still has some remaining money from the EuroCERT project.

Action 5-8. Andrew Cormack and Karel Vietsch to draw up financial plan and discuss it in Copenhagen, aiming at next courses in the autumn.

6. Relations with the CEC and funding possibilities - Karel Vietsch

Karel started his presentation with a short excursion into the EC history, he gave an extended overview of EC documents related to Security issues in the context of the eEurope Action plan and an update on the history of TF-CSIRT (delegation) communication with the Commission. There were three visits of TF-CSIRT deputations to Brussels:

- 16 November 2000
- 23 February 2001
- 12 December 2001.

The highlights of the last TF-CSIRT deputation's visit to Brussels on December 12, 2002:

- there is more political attention for Internet security issues from politicians and in the Commission;
- the TF-CSIRT deputation reported on recent developments in the Trusted Introducer service, the IODEF work and the training workshop;
- possible support by the EC of any activities is possible only in the form of RTD project or some legal development/activity
- it was recommended to resubmit the Project proposal on Training for Computer Emergency Response (TRACER) in the next Call for Project Proposals;
- unit DGIS/C4 unit might be interested to fund the preparation of a Handbook for CSIRTs on computer crime prosecution in cooperation with the EC's Computer Crime unit (contact person Mr. Papapavlou); Andrew Cormack will try to contact these EC officials.

Commission representatives informed the TF-CSIRT deputation about the recent December 6th Council Resolution:

- Member States to review by mid 2002 the effectiveness of national arrangements regarding computer emergency response;
- EC by mid 2002 make proposals for establishment of cyber-security task force;
- Cross-pillar dimension of network and information security

Karel also gave his impressions on the last DDSI EWIS Workshop that took place in Brussels on January 17-18, 2002 and was attended by a number of members of TF-CSIRT. There had obviously been much activity since the EWIS presentation at the last TF-CSIRT Seminar and their first Workshop in October 2001, but still no clarification of what EWIS is envisaged to be. The DDSI initiative might continue under the name WISE (Warning and Information System for Europe), and it was expected that the DDSI partners would submit a proposal for a new EC funded study project.

Common conclusion was that keeping contact with CEC and some related projects is an important task as TF-CSIRT is seen as the only entity representing consistently interests of the CSIRT community in Europe. It was proposed to submit to Commission an Open Letter about how to enhance the Security of Information Infrastructure. People feel that such a document may help to understand the difference between traditional security and security of Information Infrastructure.

People discussed some possible items for the Statement:

- building Computer and Security awareness in Universities;
- role of vendors/developers and customers in prevention of security vulnerabilities;
- role of (computer and information security aware) managers in facilitating development of secure IT products.

Action 5-9. Submit an open letter to CEC on measures how to improve the Security of Information Infrastructure. All to submit 1-2 statements (positive and negative) related to the security issues. Karel Vietsch will act as an editor of the final text.

The question whether we need to have official TF-CSIRT representative(s) to various meetings was discussed. Based on previous experience it was agreed to follow the current practice where some meetings will require forming official or non-official TF-CSIRT delegations, while in other cases it will be sufficient - or even more effective - to use the cert-coord mailing list to inform TF-CSIRT members and collect opinions.

7. Update on FIRST Activities, Don Stikvoort

Don informed the meeting that the next FIRST-14 conference will take place on June 21-26, 2002 on Hawaii. There were 40 papers submitted, final Programme is available at <http://www.first.org/conference/2002/program.html>. The next FIRST-15 conference will take place in June 2003 in Canada. The conference of 2004 will be in Europe.

After a long period of stagnation, the number of FIRST members has grown from 90 to 110 in the past year.

8. IODEF/ITDWG update - Jan Meijer

Jan Meijer informed the meeting about the INCH (Extended Incident Handling) BoF that took place at IETF52 in Salt Lake City. The BoF was attended by 52 people and was considered successful, Security Area director Jeff Schiller was present at the BoF. The current development of IODEF was presented. It was agreed to apply to the IESG to establish a new Working Group in the Security Area. This new INCH WG hopefully will be established in February and will have its first meeting at the next IETF53 in Minneapolis. The BoF also discussed a proposed Charter of the INCH WG. The INCH WG will be chaired by Roman Danyliw (CERT CC). BoF materials and minutes are available from the INCH BoF webpage at <http://www.terena.nl/tech/inch/>.

Jan told that a new mailing list <inch@nic.surfnet.nl> has been established and invited those who are interested in the further IODEF development to join this list.

Jan reported on the results from the yesterday's meeting of TF-CSIRT's IODEF WG. He told about the status of the WG deliverables and about the decision to finish the IODEF development work in the framework of TERENA's IODEF WG, freeze current specification of the IODEF Data Model and XML Document Type Definition and publish it as the IODEF WG deliverable. The remaining Deliverables are to be completed before the next TF-CSIRT and reported to the TF-CSIRT meeting.

Jan told that it was decided to ask TF-CSIRT to dissolve the IODEF WG, considering that it actually completed the initial stage of the IODEF development which will be further implemented in the IODEF Pilot Project. Another consideration was to avoid parallel work with the prospective IETF INCH WG.

Jan also informed the meeting about the status of the Pilot project on pilot implementation of IODEF that started in September 2001 and now is finishing its first stage. The first software to test by external parties supposedly will be available in September 2002. Design details are available from the Project webpage at <http://www.surfnetters.nl/meijer/tf-csirt/iodef/pilot.html>

Action 5-10. Yuri to update the current version of the IODEF Data Model and XML Data Type Definition document and publish it as the final IODEF WG deliverable.

Action 5-11. Jan Meijer to organise reporting on the last IODEF WG deliverables and on the INCH WG to the next TF-CSIRT meetings.

9. Report on yesterday's Seminar Sessions. Summary conclusions and follow-up actions

Continuing the positive practice of the last TF-CSIRT Seminar in Manchester, the Seminar Programme this time was also mostly arranged by the local host Telia-CERT. People agreed that all presentations were very professional and the seminar as a whole was successful.

Yuri asked all seminar contributors to send their presentation materials to him (after clearing copyright issues where applicable) in order to make them available on the TERENA web server.

In the seminar session on the Clearing House for Incident Handling Tools it had been agreed to start an activity as a trial for a limited period. Before end May 2002, Andrew Cormack will set up a website and a template for contributions. About 15 TF-CSIRT members had promised to make a contribution (comments on, experience with certain tools) before September. At the September TF-CSIRT meeting the trial will be discussed and if contributions will not have been sufficient in quantity and quality, the trial will be discontinued. It has been decided not to establish a separate TF-CSIRT working group on the clearinghouse activity.

Action 5-12. Andrew Cormack to set up before end May 2002 the Clearinghouse trial (website, template), and all TF-CSIRT members to make contributions in the trial period until the end of September.

10. Other Work Items

10.1. Encouraging and Assisting the Establishment of new CSIRTs

Mirosław Maj expressed his concern that there are very few CSIRTs from CEEC participating in TF-CSIRT. This specially applies to such countries with advanced networks as Hungary, Czech Republic and Lithuania. As one of possible actions he proposed to organise Training Workshop specially targeted for these and neighbouring countries.

Karel Vietsch agreed to take action to contact Hungary, Czech Republic and Lithuania and find out why they don't have CSIRTs and promote TF-CSIRT if necessary. In this respect it was recommended that TF-CSIRT develops a leaflet explaining TF-CSIRT's objectives and main activities.

Action 5-13. Karel Vietsch to contact Hungary, Czech Republic and Lithuania and find out why they don't have CSIRTs and promote TF-CSIRT if necessary.

Damir Rajnovic told that he could advise Cisco sales representatives to try to convince ISPs in needs to establish CSIRTs.

11. TF-CSIRT Term of Reference Revision

Karel Vietsch gave an introduction to this Agenda item explaining the TERENA procedure on Task Forces creation and revision. Task Forces at TERENA are normally established for two years, after that period they may be dissolved or continue their activity after revision of the Term of Reference.

TF-CSIRT started in May 15, 2000 with an initial mandate of 2 years, it's been successful and apparently nobody wants to terminate its activity. So, this is a time to revise the TF-CSIRT ToR to update it with new items and to adapt it to the current situation and TF-CSIRT position.

The meeting went through the Terms of Reference item by item discussing their correspondence/applicability to the current status of the TF and the new goals/tasks. The following changes have been suggested to the general part of the Term of Reference:

- 1) add to aims of the TF item about maintaining contacts with the CEC, e.g. "f) to provide vehicle for CSIRTs in Europe to liaise with the European Commission and other policy making bodies";
- 2) there might be a need to revisit the issue of TF-CSIRT membership in the future if TF-CSIRT will continue to grow as in past year; a new procedure how to become a member of the TF-CSIRT will then be needed; in the current text it was proposed to remove "major" in item 2 and "other" in item 3, and give the Chairman the authority to agree on the admission of new members;
- 3) it was agreed to extend the mandate of the Task Force for two more years with the intention to continue also thereafter;
- 4) item 8 should include the statement that in some cases placing TF-CSIRT materials in the public domain should include Copyright statement as in case with the Training materials;
- 5) TF-CSIRT will continue operating one mailing list with the current restriction on subscription.

The Chair of the Task Force was agreed to remain Gorazd Bozic.

The section on Work items, deliverables, time scales should accommodate recent changes in the status of the Deliverables and Work items:

- 1) item B on the Trusted Introducer service should be reformulated to accommodate the current status of the service;
- 2) item C on Incident Description and Registration Framework should reflect the successful development of the Incident Object Description and Exchange Format (IODEF) by the IODEF WG and the current move of this development to the IETF in the framework of the INCH (Incident Handling) WG; the remaining deliverables and Pilot project to be reported directly to TF-CSIRT;
- 3) the item on the Security Contact entry in the RIPE database should reflect that after finishing the pilot IRT object implementation in the RIPE Database, the work should be

focused on real life implementation and promotion of the new object among CSIRTs and ISPs;

4) work item E. Clearing House for Incident Handling Tools will remain on the Agenda with the intention to establish permanent service at one of CSIRTs, if feasible;

5) item G has been modified to remove the last phrase "particularly based on the TI process (working web-of-trust)"; it was also recommended to produce a BCP document on new CSIRT organisation and operation and/or check the validity of the well-known paper by K-P. Kossakowski;

6) items I and J should be removed from the new ToR.

A few new work items were proposed:

1) prepare two new documents on Requirements to Incident Handling Systems and Common Requirements for Incident Handling Procedure;

2) investigate possibilities to collaborate more actively with FIRST;

3) investigate possibility of sharing pre-analysed Incident information between trusted CSIRTs.

There was also some discussion on whether it would be useful to put all TF-CSIRT related information into one domain. The candidate for this might be the former EuroCERT domain **eurocert.org**. However, the majority of the meeting felt that it would be reasonable to follow current website URL conventions of TERENA task forces.

Action 5-14. TF-CSIRT Secretariat to update TF-CSIRT Term of Reference and present to TF-CSIRT for further discussion before and in the next meeting.

12. Dates and locations of next meetings

6th TF-CSIRT Meeting 23-24 May 2002 hosted by DK-CERT in Copenhagen, Denmark Meeting logistics information is available at <https://www.cert.dk/conference/>

7th meeting will take place on 26-27 September 2002, place to be defined later.

There are many offers for hosting further TF-CSIRT meetings. It was decided to ask Gorazd Bozic to collect offers and make a preliminary schedule for the next few meetings.

Action 5-15. Gorazd Bozic to collect offers and make preliminary schedule for a few meetings.

13. Any Other Business

It was reported that the TI Review Board made the suggestion to have regular L2 teams meetings, the next one adjacent to the Copenhagen TF-CSIRT meeting.. Details will be worked out later.

14. New and Open Actions

ACTION			STATUS
1-10	All	Send pointers to legal information to Andrew Cormack	Ongoing action
3-05	Gilles Andre	Make an outline for a project proposal to the EC concerning secure emergency backup infrastructure for CSIRTs and software patents, and circulate it on the email distribution list	Open
4-05	TERENA and W.Woeber	Prepare proposal about marketing/promotion the use of IRTContact information in the RIPE NCC Database	Prepare discussion at the next TF-CSIRT with the RIPE NCC representatives
4-09	Jan Meijer	Present IODEF work at the next FIRST Workshop in February 2002	Ongoing
4-11	Klaus Moeller	Contact COMCRIME study's authors via DFN.	Ongoing
5-1	TERENA Secretariat	TERENA Secretariat to clarify Copyright statements from authors of the training modules and write Copyright statement for the training materials that reflects interests of the TF-CSIRT community.	
5-2	TERENA Secretariat	TERENA Secretariat to create password protected area initially with one password and look at it use.	
5-3	Michel Miqueu	Michel Miqueu (CERT-IST) to make presentation on their project proposal accepted by EC on May or September TF-CSIRT meeting (decide on date before the end of April).	
5-4	Andrew	Andrew Cormack to provide TI team	

	Cormack	access to old EuroCERT database.	
5-5	TI Review Board	TI Review Board to provide report to the next TF-CSIRT meeting in Copenhagen.	
5-6	Andrew Cormack	Andrew Cormack to send Summary of course evaluation to the list after discussion with course modules authors.	
5-7	Ian Briant	Ian Briant check NATO's interest in conducting special training and assisting establishing new CSIRTs in EEC and countries of the FSU.	
5-8	Andrew Cormack and Karel Vietsch	Andrew Cormack and Karel Vietsch to draw up financial plan and discuss it in Copenhagen to aim next courses in Autumn.	
5-9	All, Karel Vietsch	Submit an open letter to CEC on measures how to improve the Security of Information Infrastructure. All to submit 1-2 statements (positive and negative) related to security issues. Karel Vietsch will act as an editor of the final text.	
5-10	Yuri Demchenko	Yuri Demchenko to update the current version of the IODEF Data Model and XML Data Type Definition document and publish it as the final IODEF WG deliverable	
5-11	Jan Meijer	Jan Meijer to organise reporting on the last IODEF WG deliverables and on the INCH WG to the next TF-CSIRT meetings.	
5-12	Andrew Cormack	Andrew Cormack to set up before end May 2002 the Clearinghouse trial (website, template), and all TF-CSIRT members to make contributions in the trial period until the end of September.	
5-13	Karel Vietsch	Karel Vietsch to contact Hungary, Czech Republic and Lithuania and find out why they don't have CSIRTs and promote TF-CSIRT if necessary.	

5-14	TF-CSIRT Secretariat	TF-CSIRT Secretariat to update TF-CSIRT Term of Reference and present to the TF-CSIRT for further discussion.	
5-15	Gorazd Bozic	Gorazd Bozic to collect of offers and make preliminary schedule for a few meetings.	

Appendix A.

List of Attendees 5th TF-CSIRT Meeting 25 January 2002, Stockholm

1	Chelo Malagón	IRIS-CERT
2	Rodrigo Castro	IRIS-CERT
3	Pege Gustafsson	TeliaCERT
4	Jimmy Arvidsson	TeliaCERT
5	Mirosław Maj	CERT Polska
6	Przemysław Jaroszewski	CERT Polska
7	Andrew Cormack	JanetCERT
8	Rob Walton	DANCERT
9	Gairaidh Cochrane	JanetCERT
10	Preben Andersen	DK-CERT
11	Jacques Schuurman	CERT-NL/SURFnet
12	Jan Meijer	CERT-NL/SURFnet
13	Leila Pohjolainen	FUNET CERT
14	Per Arne Enstad	UNINETT CERT
15	Harald Staub	SWITCH-CERT
16	Kostya Kortchinsky	CERT-RENATER
17	Michelle Danho	CERT-RENATER
18	Damir Rajnovic	PSIRT Cisco Systems
19	Thomas Stridh	SUNET-CERT
20	Torbjorn Victorin	SUNET-CERT
21	Peter Bivesand	SESIK
22	Michel Miqueu	CERT-IST
23	Gorazd Bozic	ARNES SI-CERT
24	Michel Dupuy	CERTA

25	Gilles Andre	CERTA
26	Andrew Powell	UNIRAS
27	David Parker	UNIRAS
28	Udo Schweigert	Siemens CERT
29	Klaus Moeller	DFN-CERT
30	Natalie Harrison	MODCERT
31	Ian Bryant	JSyCC
32	Andrea Pinzani	GARR-CERT
33	Vlado Pribolsan	CARNet CERT
34	Ralf Doerrie	DT Telekom-CERT
35	Tomas Djurling	FRA Swedish Defense
36	Matias Bevilacqua	esCERT
37	Alex Quintieri	esCERT
38	Mikhail Ganev	RU-CERT
39	Sergey Linde	RU-CERT
40	Don Stikvoort	TI/Stelvio
41	Thomas Veit	BSI-CERT
42	Vietsch, Karel	TERENA
43	Demchenko, Yuri	TERENA
44	Stelios Maistros	GRNET-CERT

TERENA Technical Contact: Yuri Demchenko.