
BARCELONA – ccNSO: Technical Working Group
Sunday, October 21, 2018 – 09:00 to 10:15 CEST
ICANN63 | Barcelona, Spain

UNIDENTIFIED FEMALE: 21st, 2018 ccNSO Technical Working Group, 9:00 A.M. to 10:00 A.M.,
Room 131-132.

EBERHARD LISSE: Good morning, everybody. I'm Eberhard Lisse. I'm the ccTLD manager of .NA and the Chair of the Technical Working Group. This morning is a closed session of a face-to-face of the members of the Technical Working Group and anybody who wants to stay and get bored is more than welcome to do so.

We are predominantly for the members of the working group, for technical purposes, but if anybody has to contribute, you are more than welcome. We are not doing anything in secret.

I have a few apologies. Nigel Roberts who is now on the Board seems to have Board commitments but he will try to make his way here, so Jay is on the other side of the road in a meeting for another working group. So I noted Stephen Deerhake was going to come, but maybe it's too early. In the end, we can start going through what we are going to do tomorrow.

Can you go to the first slide, please? There you go.

Note: The following is the output resulting from transcribing an audio file into a word/text document. Although the transcription is largely accurate, in some cases may be incomplete or inaccurate due to inaudible passages and grammatical corrections. It is posted as an aid to the original audio file, but should not be treated as an authoritative record.

Okay, I couldn't really achieve this time to put this in groups. Because of scheduling conflicts, I have two or three GDPR presentations. I would like to have them in one batch because it makes sense for people, if they want to talk about this, to come during this particular session, listen to it, and then go away again if they have to. But I couldn't do this.

First is a presentation from CentralNic about a bug bounty program they have. It's not really technically related directly to DNS or stuff that we are interested in, but it's always good to hear how people deal with these things so that we can learn from this in case. There is Stephen who I shouted out as an apology already.

This time, we don't have two host presentations. We have the host presentations from dot-ES and we are guests in Catalonia, so I also invited dot-CAT because they are here and they are one of the gold sponsors to tell us a little bit about how they are doing.

As you may or may not know, my feeling about host presentations and how we do this in the group for the ones that are not members is that the host gets 20 minutes for a presentation of their choice. We always like to hear a little bit how they are running their show, but often, they've got very interesting stuff that they are busy with and they like to present.

Then Mateusz Korczynski who used to come from the Netherlands but is now at the university in Geneva is going to talk about the effects of GDPR on zone poisoning or defense against zone poisoning. Then we have a presentation about Anycast, Peering and Sinkholes.

Then Jacques will give us a practical demonstration, if I recall correctly. Or is it a presentation?

JACQUES LATOUR: I recorded a demo.

EBERHARD LISSE: A recorded demo on, we can share your screen. You discuss it with Kim. You can share your screen and we can work, so a demo on the Secure Home Gateway using the DNS.

Then this time we have a sponsored lunch. The guy from SerNet, Johannes Loxen approached me a few meetings back that he wanted to sponsor our lunch and their company deals with commercial support to open self-projects such as Zamba and is it usual, I then give them the last presentation before lunch trying to tell them, however, that they mustn't be too commercial which I don't expect in this case and this has never happened in the past anyway.

Then we have asked dot-AU and their cohorts to tell us a little bit, what and how this transfer went on because this was the biggest transfer of a TLD and it is very interesting for us and also for the dot-IN guys to hear a transfer of such a big zone went, what the issues where. That dot-IN is being transferred or has been transferred but it's going the other way, but still, the technical problems is the same and it's truly interesting which is why we are going to do this.

Then we have the host presentation. Francisco Arias from ICANN is going to give us an RDAP update. We have heard from him in the past. Brett Carr from Nominote if I'm not mistaken, is talking about Anycast in the Cloud. Then we have something that I'm very interested in, a talk about an Open Source HSM because while DNSSEC is technically easy, it's not easy to do it in an auditable, safe manner. It's very costly to do this so I'm always interested in that and we had a last cancellation and we had to hold them in the [binds] and we could just fit them about a few days before the presentation, so it's quite good that we have them.

Then we have an IDN Homograph Attack. Let me just do this again. What is this? From SSAC. I have no idea what this is about, but surely, the SSAC has and that's why they come and explain it to us.

Then Gerard Damas will talk a little bit about KSK Roll Measurements. The KSK has been changed. I am one of the people who had a feeling that we were affected, but I can't really say we were. I noticed that for a few days afterwards, my international connectivity felt sluggish and my ISP did not really respond well. It has improved so it can well be that maybe it was something else. But all in all, in deep Africa, I did not notice any resolution issues. But it's probably because I used the Google name servers anyway.

And then, this is the one presentation that I would have had preferred to be in the morning but Thunem was willing to move for a scheduling conflict. NORID will show their WHOIS model Post GDPR.

And then we will figure out who is going to make the closing remarks. We usually have, every meeting, somebody else and I haven't decided who is going to go on.

Now, I notice that Patrik wanted to say something so he has got the floor.

PATRIK FÄLTSTRÖM: Thank you. I just wanted to say that I interpreted you as there was an interest to know what it is, the IDN Homographic Attack. It is research that we, in SSAC has done and also for site security on various new phishing records which are pretty bad and some recommendations on what the domain name holders can do about it.

EBERHARD LISSE: So I am excused for not understanding it yet.

PATRIK FÄLTSTRÖM: Ah. Let's say you have a domain name like ICANN.org. There is an increased number of registration of things that really, really, really looks like ICANN and there are some recommendations. The results of the research study that show and demonstrate how many bad registrations there are, that is used for phishing attacks and then we recommend some guidelines of what people can do because defense of registrations is not enough.

EBERHARD LISSE: Excellent. Okay, Patrick.

PATRICK JONES: This session was part of several ICANN meetings ago, there was a request from SSAC to have emerging security topics at an ICANN meeting and so that was a welcome addition from the Tech Day Working Group and SSAC will probably continue to come up with new and emerging threats and present them in public sessions like this for future meetings.

EBERHARD LISSE: The way this works in practice is if SSAC or IETF say they want to have 20 minutes, they have 20 minutes. So they have a standing invitation, no editorial control. They don't even have to tell me what they want to talk about, really. They have ... I feel it's important that we, since we usually have a large attendance in the technical community available, that issues such as this don't find it difficult to get a spot.

PATRIK FÄLTSTRÖM: Yes, thank you very much, the other Patrick, for explaining this. It's also the case that I want to say that we in SSAC, first of all, we really, really like Tech Day and that's why we are sort of sponsoring and try to help with, for example, having me and others, [inaudible] and Jacques and other SSAC members help here.

The other thing is we really like the discussion during Tech Day and the input, so the input back to us regarding these new things is also

something that we like. So this, for example, this what we will discuss today, the input and discussion at the meeting will probably give or will, most certainly, give us information about whether we should continue to work on this topic or not, whether we should pick it up. So no, Tech Day is perfect.

For this specific day tomorrow, I don't know whether you know that ISPCP have arranged a sort of Tech Day on their own at exactly the same time between 11:00 and 17:00 tomorrow, which is a little bit unfortunate. There is a collision [clash].

Anyways, they asked us at SSAC to present and we decided that this [class] is kind of interesting so we're going to have exactly the same presentation there, but I think Tech Day will be a much better discussion.

EBERHARD LISSE:

If I am not mistaken, they talked to us about this. I think [Klubben] is the guy. [Wolf Klubben], I think is the person. And we have decided that we are going to meet about this during this meeting and see how we can. We have a good forum. I don't mind having a bigger room. If we can put this together, I have no problems with working together.

When we did this in the past, issues with [OARC], it didn't work out very well so I'm quite willing to try this again and especially if it's in ICANN, we haven't established full. The more people we get, the more discussion we get, the more people we reach and it's a low budget, high value, high effectively. We get good bang for our money. Yeah, so

we don't pay anything and we get relatively good stuff out of this.
Jacques?

JACQUES LATOUR: I missed the acronym. ICSBCBSB?

PATRIK FÄLTSTRÖM: To be honest, I don't really know. Apart from ISP, Internet Service Provider, ISPCP.

AJAY DATA: Ajay Data for the record. I'm also part of ISPC Constituency. So as [inaudible] Internet Service Provider and Connectivity Provider as a group, which goes together and that day, which is being tomorrow from 11:00 to 4:00 [inaudible] to build a digital future. That's the topic that is being discussed with Telefonica and I'm building two [minutes of it] from here. We can see from the back.

EBERHARD LISSE: But we have a long-standing idea that we move away from the ccNSO focus where they started on into a purely, not purely technical, but that we just call it Tech Day. We avoid using ccNSO Tech Day already but that it becomes a pure technical working group, a pure technical day where we have forum for these things without much fuss, without big administration around it and so far it has worked. It's the 38th iteration of it and I think the model we have works and so we are quite

willing to take on a bigger audience and we just become more interesting.

We wanted this time, actually, to look at business continuity, also from a technical aspect and we put this in our request for presentations but that's how it is. I'm very happy to have the problem of having more presentation requests than spots. That's a good problem to have, but on the other hand, I found that they were not really presentations in this regard. It doesn't matter. We must basically do with the presentations from people who are coming or who are willing to come because we cannot fund presenters.

So in the end, the outcome of how the topic looks is usually very haphazard or so, by chance. But we usually manage to get an interesting mix and I try to sort of make the order so that people don't run away too quickly and we will hand out the lunch tickets only shortly before lunch and only for people we have seen in the morning. There is a limit. There is a physical ticket required. Without the ticket, you won't get the boxed lunch. Is there anybody else? Is there any idea about what we could focus on in our next request for presentations for Kobe?

Again, disaster presentation is something that I will mention because Japan having the [old] tsunami and earthquake, they are prepared for this. [Hirohata] showed us some images on how their company is prepared to have earthquake kits under each desk and so this is something that maybe we can get a few presentations upon.

JACQUES LATOUR:

So this afternoon, we're having, it's a closed session, TLD ops and it's on disaster recovery, business continuity. We have around 50 people signed up for the workshop. I think the goal of this is to build a playbook for ccTLD to understand and address disasters and business continuity, and I think out of that, there might be a couple of presentations or an interesting topic that we could do at Tech Day.

EBERHARD LISSE:

I was going to attend this, but unfortunately, I have a scheduling conflict which I cannot [inaudible]. I, for one, have, after my own business partner died in March, done much more thoroughly what we also discussed beforehand with him. I'm writing everything I do, or my other two colleagues do, down in a handbook. I've reached 330 pages already. For a PDF, this is easy. I don't print this out. I have it in landscape so that it fits nicely on the screen if I need to do something. For example, if I need to set up a Macintosh, I know exactly what steps to do and so on.

That, I think, is a lesson that is important that you just write down what you're doing. Find a formal way of doing this, write it down and edit at the topic so that later, you can reconstruct even yourself. I can't remember what I did this or I can reconstruct and that's already for smaller places, like us [inaudible] name three people, very helpful.

It's not ISO standard which the big ones will have but the optimal solution will be somewhere in-between doing nothing and doing ISO.

AJAY DATA: Just for the clarification record dot-[inaudible] is being represented by me. These guys who are sitting there represent [inaudible]. So I am part of the ccNSO Council recently being nominated by the NomCom and I have actually put on chat I'll be very happy to take up the universal acceptance and IDN and [inaudible] presentation in Kobe.

EBERHARD LISSE: Sure, no problem. We usually make an announcement to the list and then you can tell me or you send me an e-mail now, then I'll put you on the agenda already. First come, first served, basically. We don't have much ..

The way this works ... Actually, I can talk to the non-member audience. The way this works is if somebody sends in a request to present, we run it by the committee, and often there is no comment or everybody says it's fine. If more than two members say this is not appropriate, then we don't take the topic but virtually always this happens when we are in doubt whether the presentation is not too commercial for our purposes.

We don't want marketing. We don't want commercial presentations for people to market their service. We don't mind if a company sponsors us and gives a slightly commercial presentation shortly before lunch once in a while, but I will inform the person that this is a technical meeting, and so far, this has worked out. We haven't had many sponsors so far, probably because of that.

PATRIK FÄLTSTRÖM: Switching out a little bit from Netnod, yes I will send in a proposal for a presentation, but I would like to bring up here a question of whether it's suitable and bringing it up a little [larger], in the larger audience. We at Netnod are on the request from the Swedish government investigating disaster recovery for the Internet in Sweden, which includes looking into the ability to do certain, or rather, the question is what should you do together and what should a government do to increase the probability for people to be able to use the Internet in the case of real disasters in the form of natural disasters, the country is partitioned by other countries invading, war, flooding, I don't know, bugs? So the question is how much DNS really there should be and how much it's Internet-related.

EBERHARD LISSE: I think this is a very interesting and helpful topic. Infrastructure support, we don't usually deal with this. We take noncommercial or commercial infrastructure but what happens during an earthquake? What happens during a flood? What happens during a hurricane? It has been shown to be of effect.

The recovery effort in Puerto Rico was not as good as we would expect from such a rich country like the U.S. is to be, so it's probably helpful to just reflect on this and brainstorm it. What can happen? What needs to be done? What is required?

And I would suggest you talk to people who assisted in these things. For example, one of my colleagues who works in southern Africa with White Space, the TV space that is not being used, to use that for

Internet. He does this for a company and they were hired to fly in to set up nodes like this.

So one should actually talk to the actual people who worked in the disaster relief and find what were the problems they encountered, and that's then for the infrastructure providers and for the government which has an interest in stability of the digital economy to harden these services.

PATRIK FÄLTSTRÖM: Thank you. Yes, I have myself worked in disasters like that many, many times so what I understand is quite some interest in this from you and it's actually slightly different, I know. What I will do is just like everyone else. I will send in the proposal when I have it and I will see what we do. Thank you.

EBERHARD LISSE: Okay. Is there any idea what we should otherwise focus on in Kobe?

[ARJAY DATA]: As I know, Kobe is going to be quite focused on IDN. One of the Board members who is from Japan is specializing in IDN and he is focusing. Yesterday I had a quick coffee talk with him and they intend to do a lot of focus around IDNs and how do we get next billion people online.

PATRIK FÄLTSTRÖM: I think we have done this in the past. When we went to Abu Dhabi and to other countries where there is focus on other scripts that we mention this, so it's a good idea. So I can say we want to hear in particular about disaster recovery of and preparedness from a technical aspect and about IDN.

EBERHARD LISSE: Okay, anything else?

JACQUES LATOUR: So universal acceptance, I know it's moving along but I don't think we're all up to speed on where it's at. So like specifically on where we're at in application, operating system to support IDN.

[ARJAY DATA]: So that is the case of universal acceptance. So universal acceptance is a group, UASG.tech for the benefit of everyone here, is the website which is led by Ram Mohan and from ICANN, Don Hollander is the Secretary General, and I am on a leadership position for EAI there. And we are promoting this, all the domain names and e-mail addresses must be treated equally in respect to any application, and includes not only IDNs but also the short and long domains which means less than three correctors and more than three correctors Top-Level Domains.

PATRIK FÄLTSTRÖM: Don Hollander has, I think, twice already spoken and if we get an application from him, I would assume he would speak a third, a fourth,

a fifth time because it's an important issue for us, for everybody, and this is, I think, the right venue and progress is always helpful if reported feedback can be given. I foresee this happening.

EBERHARD LISSE: Anybody else? Jacques?

JACQUES LATOUR: Well, the last thing is I think there is very interesting development with the DNS over TCP, DNS over HTTP, [.NO] and there is issues. There is lots of issues that we need to talk about around that and it could have an impact on TLD operator if we need to turn on TCP everywhere or DNS or GTP. It's going to impact our infrastructure, could impact our infrastructure severely so probably a couple of sessions on that just to explain where we're at and where it's going and what we need to think about.

EBERHARD LISSE: Do you know somebody who you can press into coming to give us a presentation?

JACQUES LATOUR: Yeah, I think so or that could be like an SSAC emerging technology topic that we could present.

JOHN CRAIN: We could get somebody from the [Opto] technical department because we're looking into this at the moment. Kobe might be a good time for us to come and talk. I will bug somebody.

EBERHARD LISSE: Can do this via Patrik very nicely. Yeah, okay. Okay, and then usually Patrik will speak to the [Asian] ICANN guy and that usually happens in the region that we are, he speaks to the people there and then they often bring us one or two interesting topics that they are busy with. So I think we'll get a nice little idea.

All right, good. If there's nothing else, that's it. Thank you very much for attending. It's must bigger than usual and I appreciate it. I hope we didn't bore the non-members too much. The members are used to it. Thank you very much. Have a nice weekend. There are a few things to do in Barcelona from what I hear, so enjoy your time here.

That's how the box lunch ticket look like.

Kimberly Carson and I will each have tickets and we will give them shortly before, out before lunch to people we have recognized.

[END OF TRANSCRIPTION]