

Chat Transcript

Plenary Session: Understanding Reputation Block Lists

Thursday, 17 June 2021 10:30-12:00 CEST

01:03:36 Chris Mondini: Hi All!

01:04:09 Sivasubramanian M: Why is this session on Webinar format please?

01:04:19 Herb Waye Ombuds: Greetings from the ICANN Office of the Ombuds. Our virtual Office is open for drop-in visits during ICANN71. Details are posted in the Conversation forum on the main ICANN71 page. Anyone wishing to speak with the Ombuds team of Herb & Barb can also reach us at ombudsman@icann.org Stay safe and be kind.

01:04:27 Sara Caplis - ICANN Org: Hello All, please refresh your browser to view the YouTube stream

01:04:29 Mary Wong - ICANN Org: @Sivasubramaniam, all plenary sessions are conducted in webinar format.

01:04:39 Chantelle Doerksen (ICANN org): Hello, my name is Chantelle Doerksen, and I will be monitoring the chat for this session.

During this session, questions or comments will only be read aloud if submitted within the Q&A pod. They will be read aloud during the time set by the Moderator of this session.

To listen to the interpretation, please click on the interpretation icon in the Zoom toolbar and select the language you will listen to and/or speak during this session.

Please note that chat sessions are being archived and follow the ICANN EXPECTED STANDARDS OF BEHAVIOR (<https://www.icann.org/resources/pages/expected-standards-2016-06-28-en>) and the ICANN COMMUNITY ANTI-HARASSMENT POLICY (<https://www.icann.org/news/blog/community-anti-harassment-policy>).

01:04:47 Calvin Browne: Hello everyone, from a rapidly warming Johannesburg

01:04:54 Sivasubramanian M: Thank you Mary.

01:05:05 Chantelle Doerksen (ICANN org): Hello, my name is Chantelle Doerksen, and I will be monitoring the chat for this session.

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01:05:12 Carlos Reyes: @All, The Meetings Technical Services team is checking the YouTube link.

01:05:39 Sara Caplis - ICANN Org: Hi Jonathan, hope all is well. May I kindly ask you to refresh , and confirm if the YT stream work for you?

01:06:00 Jonathan Zuck: @Sara, appears to be working now. thanks!

01:06:30 Svitlana Tkachenko: youtube link doesn't work.

01:06:33 Sara Caplis - ICANN Org: Thanks!

01:06:51 Svitlana Tkachenko: youtube link doesn't work.

01:06:52 Jonathan Zuck: @Sara, I take that back. It works, if I choose it from within Zoom but the link, on the ICANN calendar still does not work.

01:07:13 ICANN MTS Tech - Michelle:
<https://www.youtube.com/watch?v=WPpODfuiczg>

01:07:40 Michele Neylon (Blacknight): No poll

01:08:29 Jonathan Zuck: that YT link works, just not the one in the calendar

01:08:31 Bill Jouris: Presuming that "heard of" doesn't count as "familiar"

01:08:51 Mike Brennan - ICANN org: Hi all, we are working on correcting the website YouTube link now. Thank you.

01:10:01 Michele Neylon (Blacknight): That question is very ambiguous

01:10:06 Svitlana Tkachenko: ICANN MTS Tech: thank you, it works now

01:10:09 Alan Woods: was just thinking that

01:10:13 Michele Neylon (Blacknight): Like what does that even mean?

01:10:19 James Galvin (Donuts): Will you be showing the poll results? That quick flash of the results was not readable.

01:10:25 Tobias Sattler: Depends on the context of manage

01:10:32 Maxim Alzoba: it is not a correct question for registries

01:10:40 Michele Neylon (Blacknight): the question is too vague to be useful

01:10:46 Brajesh Jain: please show poll results

01:10:49 Mary Wong - ICANN Org: @Michele, the panel would like to get a sense of the audience's understanding of and experience with these issues, generally.

01:10:55 volker greimann: Trick question: the answer is always yes

01:10:58 Donna Austin, GoDaddy Registry: well we don't know why the question is being asked yet.

01:11:03 Michele Neylon (Blacknight): Mary - the questions are ambiguous

01:11:14 Michele Neylon (Blacknight): it's not at all clear what's being asked

01:11:27 Peter Koch (DENIC eG): Question is how a domain name could experience these threats at all

01:11:38 Maxim Alzoba: we do manage all domains in tld

01:11:38 John McCormac - HosterStats.com: @Michele Questions are very imprecise.

01:11:45 Peter Koch (DENIC eG): Question is how a domain name could experience these threats at all

01:12:05 Michele Neylon (Blacknight): John - the questions are so vague they're pointless

01:12:15 Jonathan Zuck: @Michele, I guess I just assumed they mean as a registrant

01:12:17 Maxim Alzoba: +2

01:13:29 Reg Levy - Tucows: @Maxim I understood that it could mean either as a registry, a registrar, registrant, or hosting company—although I am concerned that 43% of people attending this session indicated they don't manage any domain names. That's quite surprising to me

01:13:33 John McCormac - HosterStats.com: @Michele Others would be the catchall.

01:13:48 Vittorio Bertola: I supposed that if someone ever tried to break into my own website on my personal domain name and then spam from it, then "my domain has been attacked". But yes, it's vague.

01:14:20 Mark Datysgeld: @Reg Some people might be differentiating "own" and "manage", maybe.

01:14:30 Mark Datysgeld: @Reg Some people might be differentiating "own" and "manage", maybe.

01:14:32 Jonathan Zuck: @Reg, I was very surprised by that number as well. That might confirm Michele's concerns.

01:15:14 Susan Payne: @Reg - well my company manages DNS but I personally don't

01:15:40 Michele Neylon (Blacknight): Comment: blacklist isn't really an accurate term. Reputation is a better word

01:16:13 Nigel Hickson: Great to have a link to one of these blocklists LG is talking about; thanks

01:16:29 Michele Neylon (Blacknight): Spamhaus.org Nigel

01:16:32 Michele Neylon (Blacknight): they run multiple ones

01:16:38 Maxim Alzoba: and it is a some 3rd party private database

01:17:10 Mary Wong - ICANN Org: @Nigel, we'll hear from a few representatives from reputation blacklist providers.

01:17:18 Mark Datysgeld: <https://www.spamhaus.org/dbl/>

01:17:33 Maxim Alzoba: RBL is a marketing term

01:17:35 Nigel Hickson: @Michele and Mary. thanks. Grateful.

01:18:54 Jonathan Zuck: pretty muffled

01:18:54 Chantelle Doerksen (ICANN org): Reminder- Questions or comments will only be read aloud if submitted within the Q&A pod. They will be read aloud during the time set by the Moderator of this session.

01:19:05 Reg Levy - Tucows: @ICANN TECH: whomever is speaking right now is VERY quiet

01:19:13 Reg Levy - Tucows: Ben, apparently

01:19:13 Jonathan Zuck: @Reg, I was very surprised by that number as well. That might confirm Michele's concerns.

01:21:01 Ozan Sahin - ICANN Org: Dear Panelists and LG: You may wish to respond to the questions in the Q&A pod live or by typing an answer in the Q&A pod at any time. So far we have 2 questions in the Q&A pod.

01:21:51 Chantelle Doerksen (ICANN org): @Reg, Ben has fixed his volume. Thank you for letting us know

01:22:05 Reg Levy - Tucows: thanks, Chantelle!!

01:23:58 Brenda Brewer - ICANN org: Panelist, a kind reminder to state your name before speaking. Thank you!

01:25:19 Michele Neylon (Blacknight): That's an insane assertion about URL shorteners

01:25:48 Jonathan Zuck: I LOVE my Rebrandly, with all my Tucows domains!

01:26:08 volker greimann: URL shorteners have many legitimate uses in our experience

01:26:27 Michele Neylon (Blacknight): we use bitly + others all the time

01:26:31 Michele Neylon (Blacknight): 100% legit

01:27:05 Crystal Ondo - Google: Insanity would be expecting a Registrar to suspend a domain being used as a URL shortener based on inclusion of third party created URLs in an RBL.

01:27:17 Jothan Frakes: will the potential inclusion of registrar in the new ICANN DAAR data be factored in to RBLs to help reduce false positives?

01:27:35 Jothan Frakes: oopss - will ask this in qa pod

01:28:41 volker greimann: we get those requests daily

01:29:25 Benny Samuelson: It would have been nice if panelist had there affiliation stated in there name, like Reg have

01:29:47 John McCormac - HosterStats.com: Didn't the .LY registry suspend some shortener domain names a few years ago?

01:30:41 Michele Neylon (Blacknight): well .ly went offline

01:30:52 Michele Neylon (Blacknight): so bitly and others had to move to a more stable TLD

01:31:51 Jonathan Zuck: still a little quiet

01:32:33 John McCormac - HosterStats.com: Yep. Anticipating enduser use of shortener urls in e-mail is a bit iffy though.

01:33:47 Brent Carey .nz: i'm keen in this space to understand false positives and also a ranking of reports. we get heaps of reports but then make our own assessment...

01:35:04 Michele Neylon (Blacknight): John - the shorteners can and do clean their input

01:35:12 Michele Neylon (Blacknight): the ones who want to stay online I mean

01:36:41 John McCormac - HosterStats.com: @Michele It is in their best interests to do it. That's why it looks a bit iffy to flag an email with a shortener link without a lot of other data. It comes down to weighting, I think.

01:37:31 Carel Bitter: Yes, it's not black and white, but in email and deliverability circles using a shortener is generally not advised.

01:38:13 Carel Bitter: I don't think anyone will block or spamfilter an email just because it contains a shortener, but it certainly will not work in your favor

01:38:18 Chantelle Doerksen (ICANN org): Panelists: Time check. Per the program, we have 4 minutes left of the interview portion of Part 2, before the floor is to be opened for Audience questions.

01:41:53 Jonathan Zuck: and I would be interested whether the different RBLs have the SAME false positives and, if not, why not?

01:42:31 Chantelle Doerksen (ICANN org): Panelists: Time check. The Q&A portion with the audience begins now. Five (5) minutes until Part 2 ends.

01:43:08 Steinar Grøtterød: <comment>Any input from the registries and registrars re “false positives”?</comment>

01:43:14 Crystal Ondo - Google: @Jonathan - In my experience, the false positives vary across RBLs.

01:43:56 Michele Neylon (Blacknight): +1 Crystal

01:44:07 Chantelle Doerksen (ICANN org): @Steinar, thank you for your comment. As a reminder, comments will only be read aloud if submitted within the Q&A pod.

01:44:07 Jonathan Zuck: @Crystal, I wonder if RBLs share information on false positives

01:44:09 Michele Neylon (Blacknight): the lists tend to use different sources + criteria for listing

01:44:34 Crystal Ondo - Google: @Jonathan - not that I've ever seen. It's not in their interests.

01:44:51 Michele Neylon (Blacknight): Jonathan - they use different criteria so that wouldn't work

01:45:52 Jonathan Zuck: @Michele, interesting. So you're saying that the likelihood of overlap is very little? Seems like the lists would be mutually exclusive , in that case, no? Trying to understand.

01:47:39 Maxim Alzoba: the data has to be reliable for that

01:47:39 Michele Neylon (Blacknight): Jonathan - ping me offline on this

01:48:10 Chantelle Doerksen (ICANN org): Panelists: Time check. Part 3 is scheduled to begin now

01:48:36 John McCormac - HosterStats.com: The detection versus reporting aspect seems to be a limiting factor for RBLs. Honey pots might help but RBLs might always be behind the curve.

01:49:05 Mokabberi: malicious content base on what law and regulation? at national and international level? is it based on national laws or international law?

01:49:11 Steinar Grøtterød: One way to check your domain names/-names for free is <https://abusestats.com/>

01:49:12 Harald Alvestrand: anything that's reactive will always be behind. question is how much behind.

01:49:40 Chantelle Doerksen (ICANN org): As a reminder, questions or comments will only be read aloud if submitted within the Q&A pod.

01:49:45 Michele Neylon (Blacknight): Steinar - I tried to sign up for that and it just goes round in circles

01:49:52 Michele Neylon (Blacknight): I gave up

01:50:19 Steinar Grøtterød: @Michele: Ping me and I can help

01:50:28 Michele Neylon (Blacknight): consider yourself pinged

01:51:38 HOLly Raiche: She is muted

01:52:19 Crystal Ondo - Google: <https://www.virustotal.com/gui/home/upload> also provides free URL checks, reporting out flags from ~80 RBLs

01:52:51 Sivasubramanian M: Is the Q&A pod also archived?

01:53:19 Chantelle Doerksen (ICANN org): Yes, the Q&A pod will be archived and available via the session URL

01:54:13 YingChu Chen: Thanks to Crystal Ondo. The link is useful.

01:54:20 Sivasubramanian M: To understand how reputation block lists work, and to understand false positives, ICANN may study how similar block lists work or mixed up or sometimes, manipulated, in the case of the conventional equivalent of reputational block lists.

01:55:07 Ozan Sahin - ICANN Org: Panelists - Please note that there are some follow up questions in the Q&A pod (i.e. Sivasubramanian following up with Carel and Reg, Marcus following up on a previous question with Carel, Craig following up with Samaneh).

01:55:09 Jothan Frakes: @karen, roman and @ben - good presentation.

I asked this in the Q&A Pod and suspect Lars may ask this live, but I wanted to ask I maintain the Public Suffix List and am curious if there are ways that subdomains are determined using the PSL and if there is a way we can (as a volunteer project) have support from you to identify names where submissions could be identified in the PRs or otherwise to address them so that they are blocked before being added if there is a bad actor submitting it?

please reach out to me jothan@jothan.com about this, thank you for what you do

01:56:20 LG Forsberg: Thank you Jothan for conserving the live time. I have removed the question from my live questions.

01:56:21 Chantelle Doerksen (ICANN org): Thank you Jothan. LG will answer your question live.

01:56:35 Chantelle Doerksen (ICANN org): Ah, nevermind :-)

01:58:31 Jothan Frakes: PSL is all volunteer run- so any help is appreciated... and any of this expands my volunteer cycles, so I am relieved either way. :)

01:59:43 Carel Bitter: Hi Jothan, send me an email carel@spamhaus.org, and I will connect you to our guy who has worked on that issue

02:00:19 Roman Huessy: Hi Johan. Sadly, I'm not sure if I understood your question correctly. I will reach out to you by email after the session.

02:01:02 Reg Levy - Tucows: that statistics can be subjective is an important takeaway, in my opinion, not just from this particular panel but for the Community generally; methodology should also be examined

02:01:29 John Crain: And methodology needs to be as transparent as possible

02:01:41 Reg Levy - Tucows: +1 John!

02:02:23 Mary Wong - ICANN Org: If you are not familiar with ICANN's Domain Abuse Activity Reporting (DAAR) project, please refer to this webpage:

<https://www.icann.org/octo-ssr/daar>

02:02:39 John McCormac - HosterStats.com: One possible metric that could help some RBLs would be whether a domain name was registered at full fee or at a heavy discount. It might be a bit of a meta-metric

02:02:39 Reg Levy - Tucows: +1 Mary & DAAR

02:03:33 Reg Levy - Tucows: @John McCormac: this is actually a fascinating piece of evidence that I'd both like to see more data on and have no idea how people might collect that data. I know a lot of people have anecdotal around this correlation

02:03:46 Jothan Frakes: @lg great job with this. as a fellow moderator/show guy, I get it on the live q. no problem. {S Was good to see you in Austin what seems like a century ago

02:03:52 Michele Neylon (Blacknight): John - be interesting to see if any of them are even looking at that data point

02:04:15 Michael Palage: Was that Registrar abuse report ever published publicly or was it just shared with Registrars?

02:04:25 Jothan Frakes: @carel thx email sent

02:05:02 John McCormac - HosterStats.com: @Reg @Michele It would also help with the transient nature of some spam doms in that they only go active for a while and not necessarily immediately.

02:05:57 Crystal Ondo - Google: Samaneh just made an excellent point that is often overlooked by the community - maliciously registered vs hacked domains. A lot of domains that end up on RBLs are victims themselves, not bad actors. Further muddying the waters.

02:06:08 Michele Neylon (Blacknight): very true Crystal

02:06:33 Jothan Frakes: @johnmccc in a manner such as? Folks already expect us to have three telepaths networked in a pool of water to perform precrime

02:06:36 Reg Levy - Tucows: @John, agreed! We had a situation where we noticed a spike in one of our reseller's abuse states and reached out to them to see how we could help them—they indicated that it was directly correlated to their acceptance of cryptocurrencies and they mitigated by no longer accepting cryptocurrencies. One data point, of course, is only as useful as one data point, but it was instructive to me to see that happen in this circumstance

02:06:37 Carel Bitter: We distinguish between maliciously registered and compromised/abused

02:06:59 John McCormac - HosterStats.com: @Jothan Precog algorithm? :)

02:07:02 Crystal Ondo - Google: @Carel - which is great, but that is not the case across RBLs by any means

02:07:04 Reg Levy - Tucows: +1 Crystal and both are counted as "malicious" in reports about the reputation of registries and registrars

02:07:05 Carel Bitter: (as treatment in filtering and remediation should be different!)

02:07:32 Chantelle Doerksen (ICANN org): Panelists: Time check. Per the program, we are 5 minutes behind schedule.

02:07:52 Roman Huessy: sadly, abuse.ch has no way to determine whether a domain name is victim of a compromise or registered for malicious purpose. There are two reasons for that: Missing whois (NOT registrant data, rather than sponsoring registrar and registration data) and missing pDNS data (when has the domain name first observed?)

02:08:21 Reg Levy - Tucows: What is pDNS data?

02:08:24 Roman Huessy: and yes, I agree that we should distinguish between malicious domain registrations and compromised/abused domains

02:08:28 Carel Bitter: passive dns

02:08:32 Reg Levy - Tucows: thank you

02:08:35 John Crain: Passive DNS

02:08:36 Chantelle Doerksen (ICANN org): @Roman, your comments were sent to panelists only. You may want to share your comment with everyone.

02:08:50 Crystal Ondo - Google: +1 Carel - treatment by a registrar / registry of malicious vs compromised domains are vastly different.

02:09:03 Roman Huessy: sadly, abuse.ch has no way to determine whether a domain name is victim of a compromise or registered for malicious purpose. There are two reasons for that: Missing whois (NOT registrant data, rather than sponsoring registrar and registration date) and missing pDNS data (when has the domain name first observed?)

02:09:09 Roman Huessy: and yes, I agree that we should distinguish between malicious domain registrations and compromised/abused domains

02:09:24 John McCormac - HosterStats.com: In terms of webspam doms, it was possible to see the patterns in new gTLDs from web usage surveys. Unfortunately 95% of them were gone within a year and it locked the registries into a kind of discount addiction to survive.

02:09:50 Michele Neylon (Blacknight): Peter - nice question :)

02:09:55 Mokabberi: Question to the dear speakers: How can you want to prevent RBLs from getting politised at global level? what is exactly the relation between unilateral digital sanctions and RBLs processes? and do you think about its impact on digital trust in internet governance domain ? thanks

02:10:00 John McCormac - HosterStats.com: The effect was a kind of Gresham's Law for TLDs in that bad doms drove out good.

02:10:07 Carel Bitter: Like what Roman said, reputation providers could probably do an even better job if the data that used to be in whois was more easily available

02:10:48 Maxim Alzoba: once spamhaus demanded we delete a domain or they add our whole infrastructure to IP blocklists

02:10:59 Michele Neylon (Blacknight): Carel - that ship has sailed

02:11:26 Maxim Alzoba: and this kind of behavior is a danger to security and stability

02:11:46 Carel Bitter: Michele - I know, but it should be mentioned

02:12:14 Maxim Alzoba: I mean threatto a TLD registry

02:12:25 Syed Iftikhar Shah: LG, please spare some times for Q&A

02:14:02 Crystal Ondo - Google: +1 Matt. When it comes to domain suspension at the registry / registrar level, blind reliance on any RBL is a dangerous game.

02:14:15 Michele Neylon (Blacknight): Carel - I'd be happier if people were looking at alternative solutions instead of trying to move backwards

02:14:24 Jonathan Zuck: Do we need a Reputation Block List Reputation List?

02:14:40 Reg Levy - Tucows: I mean...we kinda do, Jonathan

02:14:41 Crystal Ondo - Google: hahaha OCTO is working on it, I believe ;)

02:15:32 Joanna Kulesza: The issue of transparency, governance and accountability (which Peter has rightfully raised in the Q&A pod) are crucial to representing end user interests in the broader ICANN policy discussions.

02:16:03 Brent Carey .nz: best takeaway from today is 'own assessment' - all of this is contributory to building your own assessment based on your risk appetite

02:16:32 Syed Iftikhar Shah: I think RBL is helpful source for a proper record, awareness, and the relevant stakeholder to use it to secure their IT systems

02:17:05 LG Forsberg: Due to the time constraints of this session I will try and weave in audience questions in the discussion to the best of my ability.

02:17:12 John McCormac - HosterStats.com: Another issue with the RBL approach to hosting/registrars/registries is that the model is more complex in that there is an extra step with resellers (registry/registrars/resellers/registrants). And registrars may not be the ultimate hoster.

02:17:25 Mark Datysgeld: Don't these Windows XP machines just die at some point? Shouldn't they be dying?

02:17:35 Joanna Kulesza: We have raised the questions of DNS Abuse criteria and scope in At-Large session on numerous occasions and our own internal policy and advice discussions. Reflecting these takeaways and conclusions in the RBLs criteria seems like the natural next step for the end user community.

02:18:25 Jothan Frakes: +1.07 matt

02:18:29 Joanna Kulesza: Working together with both: the CPH DNS Abuse group as well as the GAC PSWG seems the right way to advance the MS model, as discussed in the plenary yesterday.

02:18:45 Jonathan Zuck: @Reg, any sense of proportions of those?

02:20:04 Jeff Neuman: Jonathan, when I was at Neustar, we compiled stats in 2012/2013 and we had a 34% false positive rate. Now I am sure technologies have improved in the last decade, but there is still a higher rate than acceptable.

02:20:42 Reg Levy - Tucows: @Jonathan, I don't see a lot of statistics about it, tbh. If a retail blocklist were to say "we have a false positive rate of 10% and we think that's fine because X" that might be more valuable than one that has a false positive of only 1% but isn't up front about it

02:21:22 Reg Levy - Tucows: there's very little conversation about it when they come to me to sell their services—and when that is combined with the low quality of reports we often see, it's difficult to establish the level of trust required to work with them as a trusted notifier

02:21:48 Ken-Ying Tseng: I think that the blocklists are more for reference purpose, ICANN and the contracted parties shall still follow legal procedures before it takes down any website or domain.

02:21:55 Jonathan Zuck: Thanks @Reg. Is there a way to control for positives by using more than one list?

02:22:19 Reg Levy - Tucows: in our experience, the lists tend to feed off of one another—and removal from one list doesn't affect the others

02:22:47 Luc Seufer: hum spam is legal in which jurisdiction?

02:23:03 John McCormac - HosterStats.com: The problem with DNS Abuse is that its definition is a bit nebulous and some (IP community) want to extend it to cover Content Abuse.

02:23:17 Jonathan Zuck: Yes, @Joanna, fully HALF of all emails, are spam. end users have certainly benefits, in the macro sense, from these filters and blacklists. I don't know what percentage is "AI" vs blocklists, however.

02:23:19 Joanna Kulesza: @Luc:
https://www.law.cornell.edu/wex/inbox/what_is_can-spam

02:23:50 Michele Neylon (Blacknight): Jonathan - I'll get the latest stats from our end, but last time I looked we were dropping over 80% of SMTP traffic inbound

02:24:19 Maxim Alzoba: thanks all

02:24:27 Jothan Frakes: is there abuse of the removal program by bad actors? can there be a 'trusted removers' program?

02:24:31 Jonathan Zuck: Amazing Michele. How much of that filtering is due to these blocklists versus some kind of content analysis?

02:24:47 Michele Neylon (Blacknight): oh it's based on one list or used to be

02:25:31 Michele Neylon (Blacknight): Like one of my personal mail servers was dumping about 90% based on a couple of lists

02:26:04 Jeff Neuman: The question is how closely do those that rely on RBLs pay attention to names that are delisted. In other words, if you delist a domain name, do the hosting providers then put it back online, and if so, how long does it take for them to do it. You create the list, but others that rely on it are the ones that cause the damage.

02:26:42 Chantelle Doerksen (ICANN org): Panelists: Time check. This session ends in 5 minutes.

02:26:46 Maxim Alzoba: RBL community has to mature and come to standards

02:27:03 Maxim Alzoba: of proof, reports etc

02:27:44 Jorge Cancio - GAC : makes sense, Joanna...

02:28:16 Chantelle Doerksen (ICANN org): Hi Maxim, your comments went to the panelists only.

02:28:19 John Crain: There has been some studies on false positives and false negatives in RBLs. Look also to the research papers referenced in Samaneh's slides

02:29:26 Craig Schwartz (fTLD - .BANK): Great question.

02:29:48 Maxim Alzoba: conversations do not replace proofs, without it deletion of a domain is a violation of a law itself

02:29:53 Reg Levy - Tucows: Thank you, John, I shall!

02:30:03 Jothan Frakes: This has been a very good session, thank you

02:31:02 Vadim Mikhaylov: Thank you! Interesting discussion.

02:31:07 volker greimann: You do not need to share it with the spammers, just the registrar

02:31:11 Reg Levy - Tucows: @Carel, the RrSG has published a paper about what information we need to be able to act upon a report

02:31:24 Mokabberi: If This RBLs processes it is not fair and transparent itself it could badly affect ICANN community Reputation.

02:31:26 Maxim Alzoba: RBL community has to mature and come to standards for reporting, proofs, etc

02:31:29 volker greimann: If you can report it to us you can provide the evidence

02:31:33 Vadim Mikhaylov: Thank you! Interesting discussion.

02:31:35 Cheryl Langdon-Orr: Interesting session Thanks to the Panel....

02:31:41 Keiron Tobin: +1 Volker

02:31:44 Maxim Alzoba: thanks all

02:31:52 Jonathan Zuck: Great conversation folks! Lots more to think about.

02:31:54 Reg Levy - Tucows: The RrSG Guide to Registrar Abuse Reporting: <https://rrsg.org/wp-content/uploads/2020/03/Guide-to-Registrar-Abuse-Reporting-v1.8.pdf>

02:31:59 Mokabberi: If This RBLs processes it is not fair and transparent itself it could badly affect ICANN community Reputation.

02:32:06 Nigel Hickson: Thank you; was very informative; lot to take on-board.

02:32:11 Peter Koch (DENIC eG): thanks all

02:32:15 Reg Levy - Tucows: without a well-formed report, we can't verify and so we can't take action

02:32:16 Yaovi Atohoun - ICANN org: Thanks all

02:32:17 Svitlana Tkachenko: Good conversation. Thank you!

02:32:20 Carel Bitter: Volker, we have no control over what registries/registrars do with information we give them... many forward reports to end users/customers

02:32:26 HOLLY Raiche: Thanks for a very interesting session

02:32:34 Chokri Ben Romdhane: Thank you all very useful

02:32:38 Chantelle Doerksen (ICANN org): Thank you all for joining this session. As a reminder, the chat, and the Q&A pod will be available via the session URL in the upcoming days.

02:32:39 YingChu Chen: Thanks to all . Very informative conversation.

02:32:41 Narayanaswamy Baluswamy: TKU

02:32:42 Reg Levy - Tucows: Thanks, all!

02:32:48 Olatokunboh Oyeleye NCC (Nigeria): Thank you all

02:32:48 John McCormac - HosterStats.com: @Reg I probably have a lot of historical data on webspam doms and domain lifetime data. Not so much on email/mx data.

02:32:58 Bukola Oronti - ICANN71 Fellow: Thank you

02:33:32 Reg Levy - Tucows: if you do not, please check out the RrSG Guide on how to do so to a registrar! <https://rrsg.org/wp-content/uploads/2020/03/Guide-to-Registrar-Abuse-Reporting-v1.8.pdf>

02:33:37 Tobias Sattler: Thx, everyone

02:33:46 JW λ John Woodworth: thanks everyone!

02:34:07 Chris Lewis-Evans: MAYbe not to the right person....

02:34:08 Jorge Cancio - GAC : still some awareness-raising to be done ;)

02:34:20 Maarten Botterman: Thanks so much for this informative session on an important subject that deserves all attention

02:34:23 John McCormac - HosterStats.com: Thanks/later all.