

FEDERAL TRADE COMMISSION

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COLLOQUY SESSION

PAGE

(LEAD BY:)

MS. ROBBINS

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MS. CHUA

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FEDERAL TRADE COMMISSION

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In the Matter of: )  
REPORT TO CONGRESS PURSUANT TO )  
CAN-SPAM ACT. ) Matter No. P044405  
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WEDNESDAY  
FEBRUARY 11, 2004  
  
Room 249  
Federal Trade Commission  
600 Pennsylvania Ave., N.W.  
Washington, D.C. 20580

The above-entitled matter came on for  
conference, pursuant to agreement at 2:15 p.m.

For The Record, Inc.  
Waldorf, Maryland  
(301) 870-8025

1 APPEARANCES:

2

3 ON BEHALF OF THE FEDERAL TRADE COMMISSION:

4 DANIEL SALSBURG

5 COLLEEN ROBBINS

6 SHERYL DREXLER

7 MICHELLE CHUA

8 KIM LUCAS

9 Federal Trade Commission

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12

13 PARTICIPANTS (VIA TELEPHONE):

14 JASON CATLETT, JunkBusters

15 CHRIS HOOFNAGLE, EPIC

16 PAULA BRUENING, Center for Democracy &

17 Technology

18 CINDY COHN, Electronic Frontier Foundation

19

20 (IN PERSON):

21 CEDRIC LAURANT, EPIC

22

23

24

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## 1 P R O C E E D I N G S

2 MS. ROBBINS: For purposes of this call, I'm  
3 going to go through a brief formality in the beginning.  
4 Today is February 11, 2004, and it's about 2:10 p.m.  
5 Eastern Standard Time. This call is being transcribed.  
6 I'm Colleen Robbins, an attorney with the Federal Trade  
7 Commission's Division of Marketing Practices.

8 I'm here with Dan Salsburg, Sheryl Drexler,  
9 Kim Lucas and Michelle Chua. We're all working on  
10 different reports as required by the CAN-SPAM Act that  
11 are due to Congress in the next few months.

12 Would the three of you on the phone introduce  
13 yourself for the court reporter and state your  
14 affiliations?

15 MS. COHN: I'm Cindy Cohn. I'm the Legal  
16 Director of the Electronic Frontier Foundation.

17 MS. BRUENING: Paula Bruening, Staff Counsel for  
18 the Center for Democracy and Technology.

19 MR. CATLETT: Jason Catlett, the President of  
20 Junkbusters Corp.

21 MS. ROBBINS: And again we have three other  
22 individuals who are not here at the moment, but will  
23 be joining us briefly.

24 Now, just to tell you why we're all here today,  
25 under Section 9 of the CAN-SPAM Act, Congress has asked

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1 the Federal Trade Commission to submit a plan and  
2 timetable for establishing a Do Not E-mail Registry. In  
3 addition, we also have to investigate the possibility of  
4 a possible reward system for identifying and locating  
5 spammers.

6 We need to submit these reports fairly soon,  
7 within the next six to nine months. We also need to  
8 include information under the report for the Do Not E-mail  
9 Registry regarding any practical, technical, security,  
10 privacy or enforceability concerns regarding a proposed  
11 National Do Not E-mail Registry.

12 The FTC is gathering information from various  
13 groups in a very short amount of time in order to assist  
14 us in drafting this report and the report on the reward  
15 system to Congress. As we said earlier, anything that's  
16 said during this conference today may be cited in the  
17 report to Congress.

18 I would like to start off by proposing one model  
19 for a National Do Not E-mail Registry. This model is  
20 similar to the Do Not Call model where consumers would  
21 register their e-mail addresses in a central registry,  
22 marketers would receive the list and scrub it so as not  
23 to send their e-mail to those on the registry.

24 I wanted to first get your ideas and thoughts on  
25 such a model.

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1 MR. CATLETT: Should I jump in?

2 MS. ROBBINS: Sure.

3 MR. CATLETT: Sure. Junkbusters has loudly and  
4 for a long time opposed that. That model is  
5 impractical and counterproductive. There are many  
6 reasons I think that that won't work.

7 The primary obvious risk is that spammers will  
8 use it as a source of e-mail addresses, which has  
9 happened with such registries in the past.

10 Now, you can try to mitigate that risk by  
11 various means such as seeding, but the cat is already  
12 out of the bag there, and other than the method that's  
13 been proposed whereby lists are submitted for the --  
14 submitted for well, scrubbing basically, but none of  
15 those is terribly practical.

16 And it also goes against the consumer's desire  
17 to keep their e-mail address private, which is what  
18 they've been told, that the paradox of having to make  
19 their e-mail address public in order to get some privacy,  
20 it really goes against all of the intuitions and desires  
21 of consumers.

22 I could also go on to the practical difficulties  
23 of the large number of e-mail addresses and the very fast  
24 changing nature of them. Twenty percent of them go stale  
25 in a year at least, but I think that this model is a non-

1 starter really.

2 Now, I would support a model that works with the  
3 domain name, but at the specific e-mail address level, I  
4 don't see that it's desirable or practical.

5 MR. SALSBURG: Jason, you referred to an  
6 experience in the past where addresses on the registry  
7 became available to spammers.

8 MR. CATLETT: Yes.

9 MR. SALSBURG: Could you elaborate on that?

10 MR. CATLETT: I'm trying to remember who it  
11 was. Various people have run -- I mean, there have been  
12 various scams involving Do Not E-mail Lists, which are  
13 really just used as -- were never really used for their  
14 intended purposes and were just used for harvesting, but  
15 I believe the ones I'm recalling that were legitimate  
16 and sincere were some by Rodney Joffe, Integrated  
17 Centergate Technologies I'm recalling, and another one  
18 run by Ram Avrahami, and I'm trying to remember which  
19 of those had that difficulty.

20 MR. SALSBURG: Could you spell the  
21 second name?

22 MR. CATLETT: Joffe is spelled J-O-F-F-E.  
23 Avrahami is spelled A-V-R-A-H-A-M-I from memory. But  
24 certainly if you go to the envelope world of direct  
25 marketing, the stealing of lists, mailing lists is a

1 recurrent problem. You get a case documented every few  
2 months in DM News, and similarly with mooch lists and  
3 telephone fraud. You frequently have cases of lists  
4 being stolen by the criminals perpetrating telephone  
5 fraud.

6 So there's every reason to expect a similar  
7 outcome for e-mail lists, particularly when the list is  
8 extremely large.

9 MR. SALSBURG: You also mentioned seeding as a  
10 possible solution to protecting the security of a list,  
11 and you said that the problem with seeding is that the  
12 cat is already out of the bag. What did you mean by  
13 that?

14 MR. CATLETT: That's right, right. Well, once  
15 the list is compromised, assuming you have a model where  
16 the list is given to parties for scrubbing by  
17 themselves, then if you're giving a whole list to even  
18 one party who accidentally or deliberately sends it on  
19 to a spammer, then it's a impossible route to call that  
20 back.

21 They've got a copy of the list, and those  
22 problems have plagued, for example, people who have put  
23 their e-mail addresses as a contact for domain name  
24 registration who later found out that it's being  
25 harvested by spammers, and then some registrars allow



1 you to make that information nonpublic, but it's  
2 already on CD-ROMs being sold by spammers for lists of  
3 spamming.

4 MR. SALSBURG: What would be the result for a  
5 consumer? How would they have to respond to this if  
6 their name became available?

7 MR. CATLETT: If their name was compromised  
8 and they were being spammed?

9 MR. SALSBURG: Right.

10 MR. CATLETT: Well, I think the expected  
11 emotional response of the consumer would be considerable  
12 disenchantment because they gave the government their  
13 e-mail address, which might otherwise have been secret  
14 and remained free of spam, and the result was that they  
15 actually got more spam and exactly the opposite of the  
16 intention.

17 So I think that would be a grave disappointment  
18 in the eyes of many consumers and would clearly be the  
19 conclusion of the party in having such a registry was a  
20 bad one because the risk was foreseeable.

21 MS. ROBBINS: Cindy or Paula, do either of you  
22 want to share your views?

23 MS. COHN: This is Cindy. I would we would  
24 certainly tend to agree with Jason to the extent that we  
25 do not think a model of the Do Not Spam List like the Do

1 Not Call List is a very workable one or a good idea,  
2 quite apart from the technical problems. I think Jason  
3 has done a good job with starting with the technical  
4 problems, starting to look at them.

5 I think there's a fundamental difference between  
6 telephone numbers and e-mail addresses that plays into  
7 this, which is that while telephone numbers really are  
8 not "born" private, they are to a certain extent either  
9 public or even if you have an unlisted number, pretty  
10 easily known.

11 E-mail addresses are "born" private. There is no  
12 international or national registry of e-mail addresses  
13 that exist. You're talking about creating one now, and  
14 so they start -- I think the owner of an e-mail address  
15 starts in a different location and has a different  
16 reasonable expectation of privacy in that information,  
17 and you can choose to give it out to people or  
18 not to give it out to people. You can choose to make it  
19 more public or less public in a way that you really  
20 don't have that flexibility with your phone number.

21 So by creating this list, I think you're going  
22 to fundamentally put people in a bit of a pickle where  
23 you're starting to create incentives for people to make  
24 public something that they could have kept private, and  
25 I think Jason's exactly right.

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1           I mean, one of the things we have seen over  
2 and over again is the phenomenon -- of data leak. We  
3 call it Data Valdez at the Electronic Frontier Foundation.  
4 It's really hard to keep something secret even with the  
5 best intentions -- people are demanding that their data,  
6 personal data about folks, is kept secret. Even with  
7 the best of intentions, and of course there's no clear  
8 indication that every single governmental person who  
9 has access to this information is going to have the best  
10 of intentions all of the time, there will be leaks.

11           So the information is going to leak out, and I  
12 think as Jason indicated, once it leaks out, it's  
13 incredibly fluid. It's going to move. It's going to  
14 change. It's simply -- effectively once the information  
15 gets out, then what you've created is a situation where  
16 perhaps using the seeding technology, you'll be able to  
17 better track the people who are using it, but that's not  
18 really particularly helpful in the spam world because  
19 the people who are doing the spam move and change very,  
20 very often.

21           So once that information is out there, I think  
22 you're leaving the consumer with no choice but to change  
23 their e-mail address, and then I think they're going to  
24 be extremely hesitant to give it to the entity again.

25           So that's with all the best of intentions. I

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1 think that this is going to be an incredibly valuable  
2 database, and that the incentives for a rogue employee  
3 to try to get a copy or the master copy are going to be  
4 tremendous, and it's likely that that's going to happen  
5 at some point, again human nature being what it is, and  
6 whether it's an insider or whether it's just an  
7 extremely crafty spammer who figures out how to send  
8 another request to the database to try to verify names  
9 to recreate the list.

10 I think you'll see efforts to do that almost  
11 immediately, because again it's another difference  
12 between the phone situation I think and the e-mail  
13 situation where one of the things that is of a premium  
14 to spammers is to know the difference between e-mail  
15 addresses that don't have a person behind them and e-mail  
16 addresses that do. You're creating the big master list  
17 of real people, so to a certain extent I think that's  
18 counterproductive.

19 One of the things that's worked in the anti-spam  
20 community favor so far is the kind of technical reality  
21 that it's impossible to know whether there's a real  
22 person behind an e-mail address unless you test it.  
23 You're going to create the big master list, so we think  
24 that modeling something after the Do Not Call Registry,  
25 while it has appeal on a surface level, I think it

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1 really ignores a lot of the technical and kind of  
2 psychological differences between your phone number and  
3 your e-mail address.

4 MS. BRUENING: This is Paula. I think there's  
5 been some very valid points made here. What I would  
6 like to emphasize is the whole question of  
7 enforceability. Given certain limited resources and the  
8 kind of lists that we're talking about and what they would  
9 entail, the number of e-mail addresses, I think CDT's  
10 concern is that you would be creating something that at  
11 the end of the day would be extremely hard to enforce,  
12 would require probably more resources than we would  
13 anticipate sitting here having this conversation, and  
14 that when it doesn't work, what we've done is  
15 disappointed the consumer and possibly eroded the  
16 confidence they might have in the FTC's ability to  
17 stem the flow of spam and to control this problem.

18 I'm quite concerned that in trying to do  
19 something, which as Cindy said, on its surface looked  
20 like a very straightforward thing, in the end I think it  
21 would undermine the FTC and really aggravate consumers a  
22 great deal because something that makes sense in another  
23 venue, in their minds might make sense here too, but the  
24 outcome would be very, very different.

25 MS. ROBBINS: Does anyone else have any other

1 thoughts on the enforceability issue?

2 MS. COHN: This is Cindy again. I think Paula  
3 is exactly right, and obviously there's kind of a  
4 constitutional underpinning to the question of whether  
5 the FTC or anybody can create a Do Not Spam List, and  
6 materially advancing the government's interest is  
7 the central prong of the constitutional test for  
8 regulations of commercial speech that isn't  
9 fraudulent.

10 I think that there is a really serious question  
11 about the ability of a Do Not Spam List to materially  
12 advance the government's interest, especially with the  
13 real negative things it's going to create, but I  
14 think that Paula's point about enforcement is incredibly  
15 important.

16 I think it's really, as a policy matter and as a  
17 legal matter, really important that the FTC doesn't  
18 spend a lot of energy on something that really isn't  
19 going to help the spam problem. The feel good measures  
20 are really not just a good idea in general, but I think  
21 it's especially problematic in this particular world.

22 MS. ROBBINS: Do you think that such a registry,  
23 if it included certain security precautions -- we've  
24 already talked about the seeding possibility -- but  
25 something that would include one-way hashes where there

1 was a specific key that you would have to use to then  
2 convert encrypted e-mail addresses to actual e-mail  
3 addresses -- do you think that would make a difference  
4 and help make it more secure?

5 MR. CATLETT: It's Jason here. You could have a  
6 screen with one of the hashes that made it more  
7 difficult for spammers to extract the original e-mail  
8 addresses, but computationally in terms of time and  
9 space, I think it would be very difficult to get that  
10 working in a practical manner for anyone who was sincere  
11 about scrubbing their lists.

12 Let's not forget the fact that spamming is  
13 contrary to the acceptable use policies of all major  
14 ISPs, and no major company does that, so the people who  
15 are likely to use such a scheme, and I think that goes  
16 for almost any scrubbing scheme, are not using them  
17 anyway.

18 So I don't think it's finding a practical use  
19 particularly given --

20 MS. ROBBINS: I'm sorry, do you mean that they're  
21 sending permission-based e-mails?

22 MR. CATLETT: Yes, that's right, and they're  
23 not -- even if they're spamming -- major companies that  
24 are sending out bulk commercial e-mail are doing so  
25 generally with the permission of the recipient, and even

1 if the recipient's address is on a Do Not E-mail List,  
2 they're still going to send it, and they have a right to  
3 send it given the specific agreement that they have with  
4 the consumer.

5 So I don't think that the -- I don't think that  
6 the registry generally would at an individual level,  
7 e-mail address level would provide a useful function,  
8 even if you were able to get through the technical  
9 difficulties.

10 I would also like to say something about  
11 enforcement unless you have something more on this.

12 MS. ROBBINS: That's fine. Go ahead.

13 MR. CATLETT: So enforcement is very important  
14 as Paula and Cindy said. You don't want to create an  
15 unsatisfiable expectation in the mind of the consumer,  
16 and unfortunately the FTC was dealt a very difficult  
17 hand by Congress.

18 Junkbusters and some other organizations  
19 strongly recommended the private right of action, which  
20 would have given a number of litigants proportional to  
21 the size of the spamming nuisance, but I don't see that  
22 the FTC can create a private right of action given the  
23 legislation that's being passed. It's plain that  
24 Congress did not intend that.

25 So what can you do in this case? I think it's



1 still worth having a registry that allows domain name  
2 proponents to indicate that they don't want spam or to  
3 make that illegal.

4 I think one benefit there would be that the --  
5 in the case of international spam, it may be easier for  
6 a plaintiff in a non-U.S. jurisdiction to prosecute  
7 under the laws of that jurisdiction for spamming a U.S.  
8 domain name if spamming was actually illegal in the  
9 U.S., and having a registry that allowed them to make  
10 their domains no-spam zones would effectively do that in  
11 the U.S.

12 So I think there's an enforcement benefit for  
13 some parties to having a domain name based opt-out  
14 registry much as I think that they opt out more and it  
15 does give a mechanism of changing the legal status of  
16 the spasm.

17 MR. SALSBURG: Let me first mention that Cedric  
18 Laurent from EPIC has joined us and is in the room with  
19 us now.

20 Jason, you mentioned possible one-way hashing  
21 schemes as a method of providing additional security to  
22 a registry.

23 MS. ROBBINS: I mentioned it.

24 MR. SALSBURG: Colleen mentioned it, and you  
25 commented on it.

1 MR. CATLETT: Yes.

2 MR. SALSBURG: Under such a scheme, wouldn't an  
3 e-mail marketer still need to have the ability to  
4 compare the hashes to their database of e-mails and would  
5 therefore know who was on the list and who's not?

6 MR. CATLETT: Do you want me to spend two  
7 minutes sketching the idea of one-way hashing?

8 MR. SALSBURG: Yes.

9 MR. CATLETT: Okay. So a hash is taken from the  
10 idea of a knife and some parsley or something you would  
11 chop up and hash and make unrecognizable. So what it is,  
12 it's a mathematical transformation that turns something  
13 familiar like catlett@junkbusters.com into a bunch of  
14 probably something like 64 random looking letters, but  
15 it's consistent in the sense that if you give it the  
16 same input in the same way, this is your key so that you  
17 can make the keys just like a combination lock number so  
18 that you can have different transformations.

19 So under such a scheme, instead of handing over  
20 a list of e-mail addresses, say a hundred million e-mail  
21 addresses, the FTC would hand over to a bulk e-mailing  
22 company a hundred million of these 56 letter hashes say,  
23 and what the spammer would do is suppose they want to  
24 spam catlett@junkbusters.com, they apply the same  
25 hashing function which is a specified piece of software

1 to the address that they want to spam, say  
2 catlett@junkbusters.com and come up with such a big  
3 number after applying their key also and then they  
4 compare it with the list.

5 Obviously they have to have a database and  
6 function that allows them to efficiently look up one in  
7 a hundred million addresses, and then they say, "Uh-huh,  
8 catlett@junkbusters.com was on this list," but having  
9 been hashed, the problem is that they can't know the  
10 advantages, that they can't automatically get that list  
11 and use it for spamming. They could use dictionary attacks,  
12 like they could say "Well, let's get junk41@aol.com as an  
13 e-mail address, and see if it is," but again they can use  
14 the dictionary attack by directly going to AOL and testing  
15 for -- using the protocol for whether junk41@aol.com is  
16 an effective e-mail address.

17 It makes it slightly easy for them because AOL  
18 will cut off that kind of behavior with a bit of  
19 spamming. One other technical thing, you can make the  
20 hash key different for different parties so that  
21 provides a kind of seeding, but the whole idea is  
22 extremely cumbersome in terms of the amount of data  
23 you're moving around, the computations that have to be  
24 performed.

25 And as I said, you're solving a problem that

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1 legitimate parties don't have anyway, so I don't think  
2 that's a meritorious idea.

3 MS. COHN: This is Cindy. Jason has done a  
4 great job of describing hash functions and how they  
5 work. I think the fundamental thing that's important to  
6 remember about them and how they would apply here is  
7 that at the end of the day, the spammer still has to get  
8 the information about whether this e-mail address is on  
9 the list or not, and that information -- if you don't  
10 give them that information, then they can't sanitize  
11 their list, but the minute they have that information,  
12 then they know which of the names on their list are good  
13 names and which of the names on their list are not  
14 necessarily good names.

15 There's no way that a hash function -- hash  
16 functions are designed to mathematically do several  
17 discrete things. One of the things they're not designed  
18 really to do is to have one end of the discussion be  
19 able to hide something from the other end of the  
20 discussion.

21 MR. CATLETT: Right, right.

22 MS. COHN: That's what you really -- I think  
23 they're trying to be applied in this particular context  
24 to do that and they don't. They're really good at  
25 stopping someone in the middle trying to figure out what

1 information these two people are exchanging, and they're  
2 pretty good at making sure that the information that's  
3 being exchanged doesn't get changed in the middle.

4 So if I tell you that this is a message that  
5 Jason wrote and then I hash it and you check the hash  
6 and if the hash number would be different if I've  
7 altered Jason message from the original one, it's good  
8 for that.

9 But there's no way that you can apply a hash  
10 function solution or suggestion here that would do I  
11 think what people are hoping it would do, which is make  
12 sure that the spammer doesn't actually know which e-mail  
13 addresses are on the list so they can do bad things with  
14 it because you have to let the spammer know which e-mail  
15 addresses are on the list so they can do the thing you  
16 want them to do which is sanitize it.

17 So I think that -- I think that to a certain  
18 extent it will stop the wholesale taking of the database  
19 and then selling it, but I think all you'll do is take  
20 it up one level, and spammers are going to start  
21 doing -- they'll start selling the lists of the hashes  
22 or the list of the things that we have checked with the  
23 hash and all of these people are all people because  
24 they're all on the FTC Do Not Spam List, there you go,  
25 that's added value for you, you know that these people

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1 exist.

2           There's no way to stop that, which I think is  
3 the fundamental criticism of the Do Not E-mail List  
4 that you've heard from a lot of people -- that  
5 you're creating another list of good e-mail addresses.  
6 There's nothing about a hash function solution that  
7 would change that. I think I'm rambling a bit.

8           MR. CATLETT: No, no. I think Cindy has made an  
9 important point that just because it uses encryption,  
10 and it does use cryptographic techniques, doesn't mean  
11 that the information is secure from the party of about  
12 whom you had the most suspicion.

13           MS. COHN: Right. That's right. It does  
14 stop third parties from finding out information, but in  
15 this particular sense, the suspect party (that's the  
16 threat model, to use the term that security people use),  
17 is the person you're actually giving the information  
18 to. A hash function can't help you protect against  
19 those people.

20           MS. ROBBINS: Just to bring Cedric up to speed,  
21 we were asking them to comment on modeling a Do Not  
22 E-mail Registry after the Do Not Call Registry. And so  
23 do you have any thoughts just before we move on on  
24 that?

25           MR. LAURANT: I was about to talk in general

1 about the OECD workshop on spam that was held in  
2 Brussels recently in which no one really tackled the  
3 issue, and as well as about the recent Communication  
4 from the European Commission on spam that does not  
5 address the issue at all either. This is because  
6 the European Directive on Privacy and Electronic  
7 Communications establishes the opt-in principle as  
8 a general rule for all e-mails that are sent to  
9 individuals, while the idea of a Do Not Spam List  
10 starts with the assumption that consumers usually  
11 prefer the opt-out approach.

12 MR. HOOFNAGLE: Hi, everyone. This is Chris  
13 Hoofnagle. My previous meeting ran late, so I apologize  
14 for being late, for joining in late.

15 MR. SALSBURG: Welcome Chris.

16 MS. ROBBINS: Chris, just so you know, this  
17 conversation is being transcribed. There's a  
18 court reporter here, so you will need to say  
19 your name before you speak.

20 MR. HOOFNAGLE: Thank you.

21 MS. ROBBINS: Chris, just to give you an  
22 opportunity to comment as well before we move on, what  
23 we have been talking about is the possibility of  
24 modeling a National Do Not E-mail Registry on the National  
25 Do Not Call Registry model. Do you have any thoughts on

1 that?

2 MR. HOOFNAGLE: Yes, I do. I do think that there  
3 are serious technical issues with creating a Do Not E-mail  
4 address list that is similar to the Do Not Call List in  
5 that it has an actual list of phone numbers. It's been  
6 my impression that it might be a friendlier approach to  
7 allow people to enroll by domain names where possible.  
8 That was my primary concern about the Do Not Call model.

9 MS. ROBBINS: Do you have any thoughts on what  
10 the problems are with the model in terms of  
11 enforceability or security or privacy concerns?

12 MR. HOOFNAGLE: Well, with all three. I think  
13 that you have the problem of harvesting or improper use  
14 of the list. You have the privacy problems of  
15 transmitting the list of all that personally  
16 identifiable information to the government. It seems  
17 like it's a friendlier approach to allow people to opt-  
18 out based on a domain name rather than in the individual  
19 e-mail address, particularly because of the privacy  
20 concerns than the problem of the list actually being  
21 used for the spam.

22 I know that the direct marketers can employ  
23 certain techniques to detect whether or not someone is  
24 using the list for harvesting, but I think that works  
25 really well in the telemarketing world or in the direct



1 mail world.

2 I'm unsure of how well it will work in the spam  
3 world.

4 MS. DREXLER: This is Sheryl Drexler of the  
5 FTC. I hear both Jason and Chris talking about a domain  
6 opt-out and I'm wondering how you envision permission  
7 based marketing, your newsletters for example, to still  
8 reach inboxes if you had a domain wide opt-out?

9 MR. CATLETT: Let me speak to that. I think we  
10 have an obvious precedent with Do Not Call and Do Not  
11 Mail systems, which simply state that a specific request  
12 or round of permission by a consumer overrides the  
13 general election.

14 So if I put my name on a Do Not E-mail List or if  
15 I put my phone number on a Do Not Call List, I can still  
16 go to Lands End and say, "Please e-mail me your catalog or  
17 please call me every time that a new color of sweater  
18 comes out so that I can order it immediately." That  
19 election overrides the general election, and I see  
20 absolutely no difficulty with that.

21 MS. DREXLER: How about technically? How would  
22 you envision that working? Would you see the domain  
23 opt-out scrubbing occur on the spammer's end or  
24 from the ISP's end and how would that work if I was a  
25 person who registered on the List?

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1           MR. CATLETT: The ISPs should not block all  
2 commercial e-mails based on the election of a domain name  
3 to be a no spam zone. It should be the marketer, the  
4 legitimate -- the legitimate marketer gets individual  
5 permission overriding the domain name and the spammer  
6 doesn't bother to, and spams the addresses in that  
7 domain regardless and risks the consequence of  
8 prosecution.

9           MS. DREXLER: Does anyone else have any thoughts  
10 on that?

11           MS. COHN: This is not an idea that I have thought  
12 about much, so I guess I would reserve my thinking about  
13 it. So not at the moment, but I may as I think about it  
14 more.

15           MR. SALSBURG: This is Dan. Let me ask you this  
16 question: Would there be any difference in the  
17 enforceability of a domain wide opt-out list versus a  
18 list of actual addresses?

19           MR. CATLETT: Let me make a comment on that.  
20 From the point of view of the question of whether a  
21 particular domain was off bounds versus particular e-mail  
22 addresses off bounds, it would be easy to implement a  
23 system that makes the domain information available at  
24 very low cost in a ubiquitous fashion because we already  
25 have -- well, for two reasons.

1           One is the list of domain names is so much  
2 smaller that you could fit it on a USB/memory card.  
3 There are only hundreds of thousands of domain names and  
4 they're fairly short. So that would -- in terms of  
5 distributing the information, that would be much  
6 easier. It would be much lesser burdensome on anyone  
7 who really wanted to comply with that opt-out.

8           It would also be a much more economical for the  
9 FTC to be dealing with that level of information, and to  
10 Cindy's point about the fact that phone numbers are  
11 already sitting ducks whereas e-mail addresses are not,  
12 domain names are already sitting ducks because of the  
13 domain name system. It's technically necessary that at  
14 least second level domains such as aol.com be publicly  
15 accessible, so it's much more analogous using her  
16 reasoning to the telephone number case.

17           It would also be simple to or at least a simple  
18 matter of programming that part, but possibly more  
19 difficult engineering in terms of scale, to modify the  
20 domain name system to include the information about  
21 whether such an election has been made which would  
22 effectively provide a Do Not Spam database, which is  
23 distributed entirely efficient in the same manner that  
24 the domain information and a load of other information  
25 is provided by the DNS.

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1           Incidentally, as an aside, the man who wrote the  
2           DNS system, Paul Vixie, is also one of the most hard  
3           working anti-spammers, so I think that he would have  
4           some easy technical support in the community.

5           So coming back to Dan's question of would  
6           it be easy for enforcement, I think it would be much  
7           easier for a prosecutor to show that the spammer -- an  
8           address was off bounds at a certain time, and that the  
9           spammer could have found that information and that there  
10          was no likelihood of a technical failure, that meant  
11          that although they were in good faith trying to purge  
12          the list, they made a mistake and so forth.

13          With a domain name prohibition, that's obviously  
14          a very simple thing to do, to get the domain name  
15          right. If you go to a complex encryption system where  
16          you have these hashes and you're doing hundreds of  
17          millions of e-mail addresses, a defendant could more  
18          plausibly and easily argue that they made a sincere  
19          mistake, and this whole thing was a terrible  
20          misunderstanding, et cetera, et cetera.

21          MS. ROBBINS: What about in terms of actually  
22          identifying the spammer though? Would you think there  
23          was a difference in enforceability in that respect?

24          MR. CATLETT: I don't see that. I don't think  
25          that would be the case. I don't think so.

1           MR. SALSBURG: In other words, let me follow up  
2 on that. If a spammer ignored a registry of addresses,  
3 and just never bothered to even register and get a copy  
4 of the list but then sent spam, that would be as likely  
5 to happen with a domain registry?

6           MR. CATLETT: Well, I don't know because you're  
7 asking a question there about a spammer view, which is  
8 difficult to predict. One obvious effect is the FTC in  
9 its implementation of the Do Not Call List has a  
10 mechanism where you can follow the money and see who  
11 bought the list and who didn't even bother to do the  
12 list.

13           Now, the FTC could implement a domain based  
14 registry whereby spammers paid to get the list, but I  
15 don't think that would be the most desirable  
16 implementation. As I said, I think the more cheap and  
17 efficient and ubiquitous system would be to have  
18 something analogous to what was built into Paul Vixie's  
19 DNS, and in that case the FTC would not know whether the  
20 list -- the spammer had attempted to get it because  
21 they had the financial record that that entity purchased  
22 the list.

23           So maybe that's a difference that you may  
24 consider.

25           MR. SALSBURG: Jason, can you spell Paul Vixie's

1 last name?

2 MR. CATLETT: V-I-X-I-E.

3 MR. SALSBURG: Also you mentioned that there are  
4 probably hundreds of thousands of domain names versus  
5 the much larger number of e-mail addresses.

6 MR. CATLETT: Yes, hundreds of millions.

7 MR. SALSBURG: Does anyone on the telephone know  
8 where we can get statistics on both those figures?

9 MS. COHN: Yes, it's called VeriSign.

10 MR. SALSBURG: For the number of domains. How  
11 about for the number of e-mail addresses?

12 MR. CATLETT: I didn't get the question.

13 MS. COHN: I don't know of anybody who has a  
14 hard -- VeriSign ultimately knows how many domains are  
15 registered, at least in the ones that it controls.  
16 You're not going to have some of the foreign lists, but  
17 anybody that has a root server should be able to do  
18 a count of how many domains they've at least handled.

19 In terms of e-mail addresses, I think that's like  
20 chasing the sunset because that's a big changing number,  
21 and I don't think there's any -- there's certainly  
22 nothing I'm aware of that any of the technology that  
23 lets you create e-mail addresses for people that would  
24 ever report back to anybody about how many it is.

25 MR. CATLETT: Yeah, you're never going to get an

1 accurate number, but you can do a back of the envelope  
2 calculation that is going to get you to within a factor  
3 of five I think. You take the online population of the  
4 world and say 200,000,000 -- 200 million, and then you  
5 estimate that on average each of them might have three  
6 e-mail addresses, so you are getting up towards a billion  
7 e-mail addresses.

8           And that number might be up by a factor of five  
9 one way or the other, but Senator -- I can't remember  
10 who said it -- one of the U.S. senators -- a billion,  
11 here a billion there, pretty soon you're talking big  
12 money.

13           MS. COHN: This is Cindy, Jason is unequivocally  
14 right. There are fewer domain names than there are  
15 addresses by orders of magnitude. What that exact  
16 number is, I have no idea, and I think Jason is right  
17 about how you begin to go through doing it, but I don't  
18 think there's any serious dispute that the number is  
19 smaller, and quite a bit smaller.

20           MR. SALSBURG: The reason we've asked this  
21 question is to get a sense of database management, if  
22 there was registry.

23           MS. COHN: It's still going to be pretty big  
24 with domain names, I think, especially as I said lots of  
25 folks are anticipating at some point ICANN is going to

1       loosen up on the creation of new domains, top level  
2       domains.  They're going to -- at some point that's  
3       going to grow I think at least.  Who knows.

4               Who knows if they keep on moving, and even in  
5       the .com and .net and .org, it's kind of a  
6       general world but the numbers are -- it's still going to  
7       be a good size number.

8               MR. HOOFNAGLE:  I think we also have the  
9       difficulty of calculating that number, that someone  
10      could have a wild card e-mail address, so for instance, I  
11      could register epic.org and put a wild card on my mail  
12      server so that any e-mail, any string of letters or  
13      numbers before epic.org landed in a mailbox, I mean,  
14      that could be many thousands of e-mail addresses --  
15      well, many millions of e-mail addresses.

16              MS. COHN:  This is Cindy again.  I think that in  
17      terms of enforcement, that there is some enforcement  
18      fall out because it's a smaller database, and I think  
19      Jason's right about that, but I think that the  
20      fundamental enforcement problems are pretty much the  
21      same as to the two kinds of lists in that most spammers  
22      aren't following the law anyway.

23              Most of the stuff that CAN-SPAM made illegal  
24      was already illegal, so which is one of the kind of  
25      observations about the law that we have at EFF, so it's



1 not clear to us how more law is going to change the  
2 numbers significantly. There are already people who are  
3 working hard to hide who they are and where they are,  
4 and there's nothing about this list that changes that.

5 I guess as I'm thinking about the domain name  
6 thing again, I don't really have a position on it. I do  
7 think there's a level of complexity if it is the case  
8 that the domain can sign on, but then individual e-mail  
9 address owners opt-out in specific instances, I think  
10 there's a level of complexity to try to figure out, from  
11 the senders's perspective, when it's okay and when it's  
12 not okay.

13 Again that may be a level of complexity that we  
14 don't mind putting on the sender of the e-mail. I think  
15 in terms of having people have to pay to get this  
16 information, it's not only counterproductive, but I  
17 think they're constitutional problems. We're  
18 talking about speech here, and there's a limit to how  
19 much the government can burden it, and I think  
20 instituting a payment scheme to be able to send  
21 commercial messages, the government tax on commercial  
22 messages would have some serious constitutional issues  
23 raised on it almost immediately.

24 MS. BRUENING: This is Paula, and I would like  
25 to second what Cindy has just said, about there are

1 speech issues working all over the place in spam  
2 legislation, and it's an extremely delicate balance that  
3 we're trying to strike here, and I agree that as soon as  
4 you start charging people, it just sends up red flags  
5 all over the place.

6 So while I haven't looked closely at the domain  
7 name approach to this, I think we have to be really  
8 careful about charging. When money starts coming into  
9 play and anything that's creating any sort of potential  
10 bottleneck where the burden becomes sufficiently great,  
11 there's going to be push back on that.

12 MR. CATLETT: Yeah. Let me just add a comment  
13 on the costing. Do Not E-mail database at the level of  
14 domain names is a serious engineering project and would  
15 require at least millions of dollars and my guess  
16 probably tens of millions of dollars, but in terms of  
17 total cost over several years running into hundreds of  
18 millions of dollars, and that's a lot of money for  
19 something that's not going to work and do anything  
20 useful at all, whereas at the level of domain names,  
21 it's a really very minor, comparably minor cost.

22 If it's implemented through the DNS, then all  
23 those costs would be sunk in general into the  
24 infrastructure costs, and they would be one billionth of  
25 the cost that the Internet pays for carrying spam around

1 every day.

2 Even if the FTC implemented a list that could be  
3 downloaded off the FTC's web site, that could be done  
4 for a very small amount of money for some time would be  
5 my guess.

6 MS. COHN: Jason, I know the FTC is supposed to  
7 be asking us questions, but I'm curious about the DNS  
8 implementation. Can you explain that a little bit  
9 more?

10 MR. CATLETT: Sure. The DNS is a system which  
11 basically you give it a domain name like ftc.gov or  
12 www.ftc.gov and it gives you an IP address which is the  
13 numeric number of the computer running the web server so  
14 that your browser can say, "Go get the FTC's homepage."

15 Now, in order to do that transformation, there's  
16 not a central database that says every domain name is  
17 www.such and such. It's a distributed system whereby  
18 the DNS software runs on a lot of computers, and  
19 requests are made as they're needed because a lot of  
20 people ask for www.cnn.com, and those -- the information  
21 is held for a certain time because things have to  
22 change -- they have to change locally, and it's  
23 computationally a very efficient system.

24 Now, it doesn't just handle web site addresses,  
25 for example. It also handles information such as mail,

1 where do -- where do I deliver my mail, and the mail  
2 server information for www.ftc.gov may be very different  
3 to the mail sorter information, so it's a web server  
4 information for ftc.gov.

5 So it would be -- technically it's feasible and  
6 I think sociologically very plausible to add to that the  
7 software or mechanism to include a simple election about  
8 the domain name.

9 Now, another way it could be implemented is  
10 using the information that the registrars provide.  
11 That's a completely different mechanism. When you  
12 register a domain name, the registrar maintains that  
13 information such as the technical contact and the  
14 administrative contact and certain other information  
15 which can be provided publicly to anyone that the  
16 registrar chooses through a "Whois" inquiry.

17 And we've actually complained along with many  
18 other privacy organizations that too much information  
19 is -- total information is provided too easily with  
20 Whois information. But that would be another place  
21 where it would be easy to add a field of information  
22 which simply says, "This domain has elected to be -- to  
23 not receive spam."

24 MS. COHN: I'm sorry to interrupt. So then the  
25 way that this would play out is if you're wanting to

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1 send out non-commercial e-mail messages to a domain, the  
2 first thing you would do is check if there's any DNS,  
3 your local DNS database or the --

4 MR. CATLETT: Or the Whois database.

5 MS. COHN: Then you have to go back and say, "Is  
6 the individual I'm going to send this to, even though  
7 they're in this domain, did they tell me separately that  
8 they didn't --"

9 MR. CATLETT: Correct.

10 MS. COHN: That was the piece that I wasn't sure  
11 of.

12 MR. CATLETT: Let's not forget the way it works  
13 for legitimate marketers now is they're only sending out  
14 e-mails to people who requested it, and if they're doing  
15 it right, which most of the ones that keep doing it are  
16 doing it, they have records of when the person signed up  
17 and the IP address that they come through because they  
18 do get complaints, people saying, "Well, I didn't sign up  
19 for your list" so they can come back and say, "Yes, you  
20 did, here's the details," so marketers who have  
21 permission would not be burdened even with checking  
22 because they have the individual consent.

23 Where I see the advantage of this for a domain  
24 name based registry is that it provides businesses and  
25 many individuals with a means of saying that they don't

1 want spam. You might ask what good does that do right  
2 now because only the law enforcement can enforce this  
3 law, and the answer may make it easier in that case, but  
4 we have to look forward to an improvement in the law. I  
5 think it will quickly prove unsatisfactory.

6 And eventually the U.S. and every other country  
7 in the world will go to an opt-in for e-mail, so it may  
8 be that for a period we just have an opt-out law in  
9 the U.S. with domain name opt-out, and if we could get  
10 the law modified so that there's a private right of  
11 action plus a domain name opt-out, that would be a great  
12 improvement and would allow the problem to be mitigated.

13 So even if the FTC has concerns that it would  
14 not have a great deal of resources to enforce a domain  
15 named base or opt-out, I think it's still a worthy  
16 investment to make on the assumption that private right  
17 of action or other enforcement resources may be  
18 certainly strengthening the enforcement under the  
19 current statutes, and it's good to get that  
20 infrastructure going early so that we can benefit from  
21 the stronger enforcement when it's available.

22 MR. SALSBERG: Would adding a no spam tag to DNS  
23 information require a change to Internet protocols?

24 MR. CATLETT: Well, you've got to -- the term  
25 Internet protocol is a technical term which has to do

1 with the very low level packet, packet level, so let me  
2 just answer your question without answering -- with  
3 avoiding that term Internet protocol, so I'll rephrase  
4 your question, which is: How much of the public  
5 infrastructure would a domain name based opt-out system  
6 require?

7           The answer is you could go do it without any  
8 change to the public infrastructure if you wanted to.  
9 The FTC could simply collect domain names and publish  
10 them as a file that was downloadable, and for some time  
11 that would be practical because you would only have a  
12 text file of in the order of megabytes, not hundreds of  
13 gigabites as the individual address list would be.

14           So you could do it that way, but I think in the  
15 longer term, a more desirable method would be to do it  
16 through the Whois on the DNS databases, which would  
17 require changes by other parties, and there's a  
18 plausible mechanism for propagating such changes. Those  
19 sort of the changes historically have taken place  
20 frequently, and the problem is motivating the parties,  
21 so I think that's very feasible and to do that with the  
22 simple system of a text file, downloaded text file in  
23 the interim.

24           MS. ROBBINS: Any other thoughts on the domain  
25 wide opt-out model before I move on to another proposal?

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1           MS. COHN: I would just say that I think that  
2 Jason is certainly right about the first option that he  
3 gave, that if you guys just the list of names available,  
4 that wouldn't make any infrastructure changes. I guess  
5 I'm a bit less optimistic that it would not be  
6 disruptive or easy to convince the folks involved in the  
7 domain name system, and Paul is not God over there, to  
8 implement it.

9           I'm not saying it wouldn't be possible, but I'm  
10 not quite just saying that it would be all that easy,  
11 and certainly if you're going to implement it to the  
12 database through the Whois database, I think there  
13 will be some resistance. There's a lot of discussion  
14 going on about the Whois database and -- who should  
15 have access to it, and so I again think that it may not  
16 be quite so simple to change the technological level as  
17 Jason has outlined.

18           But that doesn't mean it's impossible. I'm just  
19 a little more skeptical perhaps.

20           MR. CATLETT: Yes. Certainly I wasn't saying  
21 it's a slam dunk, and the phrase "simple matter of  
22 programming" is 100 percent ironic in the technical  
23 community, but changes of such magnitude do get made  
24 when the motivation is sufficient.

25           So I think we have a good shot at that over the



1 longer term.

2 MS. ROBBINS: Before we move completely away  
3 from this model, one other possible format could be that  
4 the addresses entered into the Registry would be provided  
5 to an unsolicited commercial e-mail forwarding service  
6 approved by the Commission. E-mail marketers would be  
7 required to send all unsolicited commercial e-mail to  
8 this forwarding service, which would then forward only  
9 those e-mails addressed to recipients who had not signed  
10 up for the Commission's Registry.

11 MR. CATLETT: May I ask, and who would pay for  
12 the bandwidth cost of this forwarding?

13 MS. ROBBINS: That's why we're asking your  
14 thoughts on this.

15 MR. CATLETT: I don't want to be funny.

16 MS. COHN: This is Cindy. I think that's a  
17 horrible idea from a policy perspective as it is  
18 undoable from a technical perspective. I can't say  
19 which part of that is worse.

20 From a technological position, I think the  
21 bandwidth costs are tremendous. The reason that the  
22 Internet has been the amazing mechanism for growth and  
23 development of things is because it is decentralized. It's  
24 because there's no bottleneck. There's a choke point  
25 that you have to go through in order to get your

1 messages from one place to another, whether it's e-mail  
2 or your web sites or whatever.

3           And decentralization has been the engine, and  
4 what you're talking about is instituting centralizing, at  
5 least on some e-mail, for a tremendous percentage of what  
6 happens online. We haven't even touched on some of the  
7 structural issues or what does commercial versus  
8 non-commercial mean and how are you guys going to define  
9 it, which is going to determine the breadth of what gets  
10 impacted here.

11           But by any measure, it's a huge amount of  
12 information that is going to fall under your category of  
13 what gets regulated here, so you're basically  
14 instituting some form of centralization on something  
15 that its greatest strength is its decentralization.

16           I think as a policy matter, it is such a bad  
17 idea to turn the Internet or even a piece of it -- and  
18 turn it into a centralized system. It is the biggest  
19 step backwards that I can imagine for the current  
20 technology.

21           And I don't actually have to make the policy  
22 argument because I think technologically it's not going  
23 to work anyway. You're not going to be able to do the kind  
24 of checking you need to do and have the e-mail system  
25 work even remotely like it would know.

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1           MR. CATLETT: I think Cindy has really  
2 understated this case here.

3           MS. BRUENING: This is Paula. I think Cindy  
4 took the words out of my mouth.

5           MS. COHN: Sorry.

6           MS. BRUENING: I think it just is getting really  
7 far away from what makes the Internet and what makes the  
8 e-mail system such a powerful medium for speech and for  
9 commerce and for all those other good things.

10           I think the idea of a bottleneck is the  
11 worst direction we could go in, and I know that there  
12 are a lot of businesses springing up that are coming up  
13 with field programs and ways to review e-mail, and our  
14 sense is if that's the way the marketplace is going,  
15 clearly we should experiment with those, but to take  
16 the leap and bring that whole function to government  
17 I think is a very bad move.

18           MS. COHN: I also think the constitutional  
19 problems are really immediate. The government is  
20 suddenly the great arbiter of whether the mail gets  
21 delivered or not based on a system which is allegedly  
22 non-content based, but you can see how easily it can go  
23 in a different direction.

24           We already have problems with some of the  
25 technologies that are doing spam filtering privately

1 are being accused, and there's some good evidence, that  
2 they're being gamed to try to stop certain messages  
3 based upon content rather than based upon some sort of  
4 objective measure of whether it's spam or not.

5           And setting aside the question whether  
6 commercial or non-commercial content, we're talking about  
7 people that are trying to stop political messages that  
8 they don't like. Imagine the opportunities to do that  
9 if the government was the great arbiter and that that  
10 would happen. I think the constitutional problems are  
11 tremendous here quite apart from the other tiny  
12 problems.

13           MS. ROBBINS: Okay. Well, let's move on to a  
14 fourth possible proposal for a registry format. This  
15 is actually taking consumers completely out of the  
16 picture. E-mail marketers would register with the  
17 Commission and provide information regarding their  
18 ownership or location, and they would be assigned a  
19 registration number, and that registration number  
20 would have to be inserted into all their unsolicited  
21 commercial e-mails.

22           Prior to sending any unsolicited commercial e-mail,  
23 as part of the registration process, the e-mail marketer  
24 would be required to provide the Commission with their IP  
25 addresses from which the mail would be sent.

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1           Then the ISPs would have access to a database  
2 of these registration numbers and IP addresses. When  
3 mail would go through the ISP, the ISPs could adjust  
4 their filters to check the registration number with the  
5 corresponding IP addresses, and if they didn't match,  
6 then the mail would not go through. That would be an  
7 attempt to authenticate who was actually sending the  
8 e-mail.

9           MS. COHN: Is the main -- the government is  
10 going to maintain a list of the registered speakers?

11           MS. ROBBINS: Registered marketers that are  
12 sending unsolicited commercial e-mails.

13           MR. HOOFNAGLE: I think the use of unsolicited  
14 commercial e-mail is being a bit overstated here.  
15 Businesses generally have to register in the United  
16 States when they form corporations. I think we  
17 shouldn't overstate the case as if the spammers should  
18 have anonymity in their business practices when business  
19 law does not allow that.

20           MS. ROBBINS: Does anyone have any other thoughts on  
21 that type of model?

22           MR. CATLETT: I'm just trying to relate it to  
23 the statute. The statute is an opt-out model, and  
24 you're saying that in order to comply with opt-out, I  
25 have to register my IP addresses, so suppose I'm a mom

1 and pop operation and I've got a little newsletter from  
2 my wine business or something like that. Now, it's all  
3 opt-in. Do I now have to go to the FTC and register my  
4 address in order to keep sending to the 30 people who  
5 get my wine recommendations each week? Is that the  
6 proposal?

7 MR. SALSBURG: Let's stick with the scenario  
8 where you have to register as a marketer of unsolicited  
9 commercial e-mail.

10 MR. CATLETT: Okay. So if it's all permission  
11 based, then I don't have to register, and if I'm sending  
12 unsolicited mail because of the possibility of sending  
13 to someone who's on the Do Not Call -- Do Not E-mail  
14 List, I have to register, and then what else happens?

15 MR. SALSBURG: And you provide your IP addresses.

16 MR. CATLETT: Provide my IP addresses.

17 MR. SALSBURG: And so that --

18 MR. CATLETT: What if it's a dynamic IP  
19 address? I'm a mom and pop operation. Every time I  
20 dial up it's a different address.

21 MR. SALSBURG: Let's change the fact pattern a  
22 bit. What if such a scenario were limited to bulk  
23 e-mailers who basically have static IP addresses?

24 MR. CATLETT: Well, plausibly?

25 MS. COHN: That's not a very safe assumption.

1           MR. SALSBURG: Let's assume then that a bulk  
2 e-mailer has the capacity to contact the FTC and inform  
3 it what dynamic IP address it is currently using  
4 right before it sends it.

5           MR. CATLETT: Spamming. Let's assume that we  
6 have real time updating of the address, and then what  
7 happens?

8           MS. ROBBINS: Once the mail goes into an ISPs'  
9 system and through their filter, the ISPs would have  
10 access to the database and can determine whether or not  
11 the registration number matches the IP address.

12          MR. CATLETT: Okay. So basically what you're  
13 introducing here is a tracking system for commercial  
14 e-mail. Where does the opt-out come in? It seems to me  
15 you're trying to do something else. It seems to me the  
16 proposal is a tracking system, not a scrubbing system.

17          MR. SALSBURG: Rather than characterizing, let's  
18 talk about whether there are any merits to stopping the  
19 spam problem or not. Let me give you a little  
20 background that might help the discussion along. ISPs  
21 are already engaged in an approach where they have  
22 whitelists based on e-mail marketers that provide their  
23 IP addresses. If they're on the whitelist, the mail goes  
24 through. If they're not, it doesn't go through or it  
25 gets reviewed at a different level by the filters.

1 MR. CATLETT: Sure.

2 MR. SALSBURG: In essence this would be  
3 federalizing that process, so if you're an e-mail  
4 marketer, rather than having to be whitelisted by the  
5 700 ISPs in the country, you would be whitelisted by  
6 the government.

7 MR. CATLETT: I have to think about this one.

8 MS. COHN: I would have to think about it too.

9 MR. SALSBURG: Is there anybody that wouldn't  
10 have to think about it?

11 MR. LAURANT: So it would apply to spammers  
12 based in the U.S. sending e-mails to customers  
13 and consumers based in the U.S.?

14 MR. SALSBURG: That is a very good question, and  
15 that's a question that would go to any of these models.  
16 What would be the extraterritorial effects of any of  
17 these models? We can talk about that now.

18 Let's take the other models we've discussed, the  
19 registry of e-mail addresses or the opt-out registry for  
20 domains. Should this apply to e-mail marketers from  
21 abroad who are trying to send spam to Americans, and  
22 what kind of limitations, if you had these databases set  
23 up, could you put in place to ensure that the only  
24 people that could register were Americans?

25 MR. CATLETT: Let me state, I think you should



1 allow any domain name, no matter where it's registered  
2 and no matter where the business entity or the  
3 individual owing the domain is established, and you  
4 might ask why -- you might ask why.

5 I think the purpose is to allow U.S. law to be  
6 brought in where it's applicable. For example, if the  
7 sender is established in the U.S. or obviously is  
8 availing themselves of U.S. markets, then it seems to me  
9 legitimate to apply U.S. law, even if it is sending to a  
10 non-U.S. entity, if the non-U.S. entity has elected to  
11 avail itself of the Do Not Call option.

12 So that's the way I would like it to be. I'll  
13 leave it to you lawyers to see to what extent you could  
14 get that to work.

15 MS. ROBBINS: Anyone else have thoughts on  
16 that?

17 MR. HOOFNAGLE: This is really a hard issue.  
18 You're dealing with companies that are soliciting  
19 business amongst American consumers. Is it not presumed  
20 that American consumer protection law will protect the  
21 Americans, the American subscribers regardless of where  
22 the domain is actually located?

23 MR. SALSBURG: No, I think you're right about  
24 that. Let's change the question slightly, to be:  
25 How could the FTC enforce any sort of registry

1 requirement against a foreign sender of spam?

2 MR. HOOFNAGLE: That's a really good question.  
3 Although there are a lot of reports out there about  
4 spam, I'm still under the impression that most of the  
5 spam actually advertises American products. I think  
6 also it's worth -- and therefore there's ultimately  
7 American companies involved.

8 I think it's also worth noting that no amount of  
9 effort is going to eliminate all spam, and so it's worth  
10 the exercise even if we don't get international -- or  
11 even if there's some percentage of international spam  
12 that will escape enforcement efforts.

13 MR. CATLETT: Yeah. Could I add here? I think  
14 that enforcement authorities in other countries will  
15 take some notice of whether the spamming was illegal in  
16 its destination. I think that certainly UK law has this  
17 doctrine that if you conspire in the UK to do something,  
18 that although it may not be illegal in the UK, it's  
19 illegal outside the UK where it's to be performed, then  
20 UK enforcement can still go after the perpetrator in the  
21 UK.

22 And I would have to look at the specific details  
23 of that with an expert, but I think it could do the  
24 world benefit enforcement authorities oversee outside of  
25 the U.S. if the act was really illegal in the U.S., so

1 and making it easier to opt-out all domains and making  
2 it absolutely clear that spamming was illegal may help  
3 enforcement authorities outside the U.S.

4 MS. COHN: This is Cindy. I think that the  
5 U.S. -- I'm not a complete expert in the United States  
6 jurisdiction, and they actually vary a bit from state to  
7 state depending on long arm statutes and things like  
8 that, so I think it's hard to be definitive, but it's  
9 generally not the case that the United States can reach  
10 outside of the U.S. for purposes of enforcing its laws,  
11 except in very pretty specific exceptions to the rule.

12 I'm not sure this would fit into any of them  
13 from -- I guess you might create a whole new one, but I  
14 think that's worrisome, so I would worry a bit about the  
15 United States appearing to think that it can be the  
16 world's spam policeman or being perceived that way.

17 I don't think that's a really very wise course.  
18 I think Jason makes a valid point, that simply  
19 indicating and making it clear that something was  
20 illegal in the United States could be helpful with  
21 people trying to do enforcement efforts abroad, but I  
22 think that's different than saying that we can actually  
23 -- to take on for ourselves the idea of policing the  
24 world of spam problems, even as the people who aren't  
25 in the United States aren't subject to our laws and

1 certainly jurisdictions -- simply because you're sending  
2 e-mail to a person in the United States does not confer  
3 general jurisdiction or specific jurisdiction generally  
4 on that person for purposes of U.S. laws.

5 MS. ROBBINS: Do any --

6 MS. COHN: Go ahead.

7 MS. ROBBINS: Do any of you think --

8 MS. COHN: Let me just be clear on this. Cindy,  
9 again. The reason it shouldn't is perhaps is a little  
10 more indirect. It's because I don't want to be subject  
11 to the laws of Saudi Arabia because I send an e-mail  
12 there. You have to remember how reciprocity tends to  
13 work in the international arena. I don't think the U.S.  
14 wants to start down that slippery slope with the rest  
15 of the world because we have a legal system on free  
16 speech that's interest is much more protective, and I  
17 think we want to ensure that Americans have that  
18 protection even if they happen to be sending a message  
19 to someone in a country that is not as protective of  
20 speech rights as we are.

21 MS. ROBBINS: Does anyone think that any of  
22 these models are workable in any fashion, and if not,  
23 does anyone have any other ideas for other potential  
24 models for a Registry?

25 MR. SALSBURG: By workable we mean not only is

1       it something that could be implemented, but it would  
2       have a significant impact on the amount of spam that  
3       consumers are receiving.

4               MR. CATLETT: Well, let me restate what I said  
5       earlier, I think the only practicable model is the  
6       domain name level one. Whether it will have an effect  
7       depends on enforcement, and at the current level of  
8       government enforcement, I don't think that that's going  
9       to be significant.

10              However, if the federal law was subsequently  
11       modified to have a private right of action or to allow  
12       the States to introduce a private right of action, then  
13       the domain -- and we have the domain name registration  
14       in place, then that could have a significant -- could  
15       have a significant effect, and it may have a beneficial  
16       effect in other jurisdictions where private right of  
17       action is available. I don't know.

18              So to summarize, I think that only the domain  
19       name level is workable. It would not likely have a  
20       significant effect with the current enforcement regime,  
21       although it may facilitate some other cases and make  
22       enforcement more efficient, which is important given the  
23       very limited resources that law enforcement devotes to  
24       it.

25              But in the longer term, it may be very useful to

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1 have that infrastructure built and available.

2 MR. HOOFNAGLE: I think we may agree with Jason  
3 completely there, but I think it's also worth analyzing  
4 this problem in seeing it as an opportunity for the  
5 agency to reevaluate its position on opt-in and opt-out.

6 When we were originally contacted by the agency,  
7 when it decided to enter the spam debate more fully, the  
8 agency official indicated they were going to start from  
9 the opt-out paradigm, but as we go through these  
10 exercises of implementation in fairness to the  
11 consumers, in the implications of opt-out, I do think it  
12 is a -- it's providing more and more ammunition for the  
13 agency to reject that approach and move towards opt-in  
14 generally as a better solution to protect communications  
15 privacy.

16 MR. CATLETT: Could I add that the domain name  
17 level opt-out will become a kind of opt-in in the sense  
18 that there is a significant amount of enforcement  
19 applied or if there's a private right of action  
20 available, almost everybody who is awake will make the  
21 election of their domain name to opt-out of spam.  
22 For one thing, if it has even a slight effect, it will  
23 save business a significant amount of money on their  
24 bandwidth. Therefore they will do it.

25 So in terms of constitutional qualms, some

1 legislatures will be less hesitant to go for an approach  
2 that allows a domain level opt-out than to impose opt-in,  
3 which I think they should still impose opt-in, but the  
4 reality is that if some of them have those qualms.

5 So I think to Chris's point, if the FTC feels  
6 unable at the moment to recommend an opt-in approach, at  
7 least I think it could consider this thought of opt-in  
8 or of saying allow domain name opt-out.

9 MS. COHN: This is Cindy. I think that there is  
10 a central registry plan that -- I haven't thought about  
11 Jason's plan enough to comment on that, so let me set  
12 that aside for a second, Jason and Chris.

13 But certainly the four models that were outlined  
14 today, none of them I think are particularly workable,  
15 and most importantly, I don't think any of them passes  
16 the test of being likely to materially advance the  
17 government's interest in reducing spam, and I just think  
18 that we should really avoid spending a lot of energy,  
19 unless we have a real confidence that there's actually  
20 going to be some effect on the other end.

21 When I spoke with the FTC officials at the spam  
22 conference in the spring, I think they were quite --  
23 Brian Huseman and some of the folks there were quite  
24 aware of problems with this list, and I know Congress  
25 has entrusted upon you to consider it, but I would

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1 suggest the option be that the FTC say come back and  
2 say, "We've actually considered this, we looked at all  
3 the options, and we don't think it's an appropriate  
4 mechanism."

5 MR. CATLETT: I've been interrupted. I'll try  
6 to call back if I'm cut out.

7 MS. ROBBINS: Okay. Well, I think we're done  
8 with the Registry portion of this call, and now I would  
9 like to turn the call over to Michelle Chua. She's  
10 working on a study regarding the reward system,  
11 which is also known as the bounty system, and she would  
12 like to get your thoughts on that.

13 MR. SALSBURG: Before we do that, Colleen,  
14 Sheryl and I need to duck out to another meeting, but we  
15 want to thank you so much for taking the time to speak  
16 with us. This has been very enlightening.

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## C E R T I F I C A T I O N   O F   R E P O R T E R

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MATTER NUMBER: P044405

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CASE TITLE: INTERVIEWS IN CAN-SPAM REPORT TO CONGRESS

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HEARING DATE: FEBRUARY 11, 2004

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I HEREBY CERTIFY that the transcript contained herein is a full and accurate transcript of the tapes transcribed by me on the above cause before the FEDERAL TRADE COMMISSION to the best of my knowledge and belief.

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DATED: FEBRUARY 26, 2004

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DEBRA L. MAHEUX

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## C E R T I F I C A T I O N   O F   P R O O F R E A D E R

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I HEREBY CERTIFY that I proofread the transcript for accuracy in spelling, hyphenation, punctuation and format.

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