

1 PANEL 1: CONSUMER TOOLS FOR MANAGING
2 THE COLLECTION AND USE OF PERSONAL INFORMATION

3 MS. LEVIN: We appreciate very much your taking
4 the time out of your busy schedule to come today. Just a
5 couple of more housekeeping announcements before we begin
6 with panel one.

7 First of all, we will have a brief five-minute
8 question and answer opportunity before the closing of
9 every panel. If you have a question, a specific question
10 you want to address to the panel, we ask that you go to
11 the center mic in the middle aisle, and we will take
12 those questions at the end of each panel.

13 Secondly, because we're really tight on time,
14 we're going to try and adhere as much as possible to our
15 schedule, and it may mean cutting short some of the
16 breaks, but since we have food right near by, we're
17 hoping that you will just go out, get a quick
18 refreshment, and come back in so that we can resume our
19 panels on schedule.

20 And then I also want to give a special thank
21 you to our sponsors for the refreshments today, including
22 Ernst & Young, the Internet Security Systems, Microsoft,
23 Comcast, and The SANS Institute. Thank you again.

24 One more announcement, if you have anything you
25 would like to add to the workshop record, we will keep

1 the comment period open until June 20th, which will be
2 several weeks after the second session. So, if you have
3 anything you would like to add, we look forward to
4 receiving your comments. Comments will be posted on our
5 Web page, as well.

6 Okay. With that, let's begin. Panel one is
7 going to address the consumer tools for managing
8 collection use of personal information. We're going to
9 look at technologies past, present, and future, and some
10 of the challenges, barriers, and incentives for those
11 technologies and the role technology can play.

12 I'm going to quickly introduce our panel.
13 Their bios are in your folders. To my right -- your left
14 -- Stephanie Perrin, with Digital Discretion; Lorrie
15 Cranor, with AT&T Labs; Brian Tretick, with Ernst &
16 Young; Alan Davidson, with the Center for Democracy and
17 Technology; my colleague, James Silver, who will be
18 assisting me today; Marty Abrams, the Center for
19 Information Policy Leadership; Danny Weitzner, World Wide
20 Web Consortium; Ruchika Agrawal, with Electronic Privacy
21 Information Center; Brooks Dobbs, with Double Click; and
22 Philip Reitingier, with Microsoft Corporation.

23 All right. Stephanie, will you kick off our
24 panel with your historical overview? Stephanie brought
25 with her today from Canada a poster which some of you may

1 recall from the workshop at the Department of Commerce
2 some years ago which the FTC co-sponsored, regarding
3 technologies. It's nostalgic. I think it's memorabilia
4 that will be extremely valuable in the future. Thank
5 you, Stephanie.

6 MS. PERRIN: It will go on the record.

7 MS. LEVIN: We should put this on the record.
8 We will make a slide of it to put in the record.

9 MS. PERRIN: Thanks very much, Toby.

10 MS. PERRIN: I would like to just thank the
11 Center for Information Policy at Hunton & Williams for
12 helping me get down here from Montreal.

13 I have 10 minutes. And if you have counted the
14 slides that you will see in your package, they will
15 probably take me an hour. So I will be trotting through
16 these slides very, very quickly. If you have questions,
17 please save them for the break.

18 I think my job is to cover a couple of things:
19 a history of the landscape of how PETS evolved --
20 privacy-enhancing technologies, that is -- some simple
21 definitions, and basically, what do consumers want from a
22 PET? What are the real market drivers that make PETS
23 succeed in the marketplace?

24 I was the chief privacy officer at Zero-
25 Knowledge Systems for a couple of years, and we had great

1 privacy-enhancing technologies that did not sell. So I
2 think we can speak about what sells and what doesn't
3 sell. We were in good company back in the dot-com boom
4 years.

5 As for the slide regarding the coming threats,
6 I'm sure we won't have time to get to it. We can discuss
7 that in the privacy -- in the question period.

8 I was working in the federal government in
9 Canada for about 21 years on privacy and security and
10 information issues. And we started having workshops such
11 as this on privacy-enhancing technologies in the early
12 1990s, subsequent to some OECD meetings on the same
13 topic. And part of the tension was that privacy had
14 always been addressed as a legal issue, as something that
15 you legislate. And the legislators were not talking to
16 the technologists.

17 Now, I come from a technology department in the
18 federal government, and I should add here that I don't
19 speak for them at all, of course, my views are my own.
20 So is this history.

21 But the problem, of course, was the lawyers
22 would be setting up laws, and demanding certain things
23 that the technology could not deliver. The signaling
24 system was not designed with privacy in mind. So that
25 leads you to two conclusions.

1 Number one, when you're designing systems, you
2 should be aware of the legal requirements, or the
3 consumer expectations, or the policy expectations,
4 whether it's legislated or not, and that has to enter
5 into the design phase. So, that dialogue between
6 technologists and policy people has to start early.

7 And secondly, the technology which was viewed
8 as a great threat to the human right of privacy doesn't
9 have to be a great threat. It can also be an enabler and
10 a facilitator. And it's the only way you do good
11 security, so you have to recognize that what can give you
12 security can also be a part of the privacy landscape.

13 So, at the time, in the 1970s, when privacy
14 legislation arrived, government was seen as the principal
15 threat to privacy. Then we went through a period where
16 the marketplace was seen as the principal threat. I
17 think we're probably getting back to government being
18 seen as the principal threat nowadays, but that's a topic
19 for another day.

20 The technology was definitely seen as enabling
21 surveillance, and how to make the technology more
22 consumer-friendly, more sensitive to the need of
23 individuals was the push.

24 We, in Canada, have a very active privacy
25 commissioner in the province of Ontario who has been keen

1 on PETS since she first started coming to these early
2 workshops. And she released, with the Netherlands
3 privacy commissioner, a ground-breaking report in 1995 on
4 privacy-enhancing technologies, "The Path to Anonymity."

5 Since then, we have moved away from this
6 concept of anonymity as being fundamental to PETS. But
7 that's how it started. Now, I am going to skip rather
8 quickly through these.

9 This slide skips over the structural problems
10 that lead you to want to redesign the technology to
11 enable privacy. We had lived through caller ID -- I will
12 speak for a moment about that. Caller ID was mapped out
13 on the world without anybody really thinking seriously
14 about how to suppress, for those who absolutely needed
15 their number suppressed.

16 And after it hit the marketplace, places like
17 clinics, doctors who were performing abortions, women's
18 centers looking after women who were being protected from
19 domestic violence, police, all kinds of people, came
20 forward and said, "Hey, you can't release my calling
21 number." Then there was a retrofit on the system. Okay,
22 we will do this call block.

23 And 1-800 numbers, of course, never had the
24 call block, because that's central to the signaling
25 system. We have the same thing now with 911 enablement.

1 So, there was then a tension. And that tension
2 persists today. Security people tend to want to gather
3 this data. Privacy people tend to want the system to be
4 designed so that it is not captured. And when I say
5 "this data," I mean transactional data that releases
6 information about the individual.

7 But that was one of the first fights. And the
8 Caller ID blocking was a patch-on. PETS, since then,
9 have been trying to get integrated into the
10 infrastructure earlier. And these are a few examples of
11 some of the reasons why you might want them, copyright
12 management systems being, of course, pretty important
13 right now.

14 I am going to skip briefly through these. The
15 original PETS that surfaced in the early 1990s tended to
16 focus on anonymity, such as the anonymous electronic cash
17 rolled out for anonymous road tolls.

18 I'm not sure how the road tolls run here now,
19 now that they're really quite common currency. But there
20 tends to be transactional data gathering. Digicash
21 enabled the money to be peeled off securely and
22 authentically at very high speeds without capturing
23 consumer information.

24 Anonymous websurfing, certainly Zero-Knowledge
25 was in that category. We had all kinds of encryption

1 services, which I have to say, how many people use
2 encryption in their e-mail today? Very, very few. And
3 that's after, really, a good 10 years that it's been
4 commonly available on the marketplace. I don't use it
5 myself. Why? It's too hard. Doesn't work. Crashes my
6 system. Anyway, we won't go there. There is another
7 slide on why consumers don't use PETS.

8 Other tools started to move in and be welcomed
9 as privacy-enhancing technologies. And then, of course,
10 privacy advocates, as is our want, tended to start
11 bickering about what was a PET and what wasn't a PET.
12 I'm not sure that's a profitable dialogue these days. We
13 have got a lot of problems to solve. So we should maybe
14 get on with it.

15 But I think it is true, for the purposes of
16 definitions and figuring out what you're going to roll
17 out and what you're going to focus on, you have to
18 understand how big a job a tool is doing.

19 Into this discussion, of course, was the
20 concept of PITS, privacy-invasive technologies. Many
21 security tools, if they have not been designed with
22 privacy in mind, or privacy enablement in mind, tend to
23 be very intrusive. They can be made more privacy
24 friendly. You can encrypt your biometrics, so that it's
25 a one-way function, so that you don't have a giant

1 database of people's biometric identification.

2 You can enable them so that all of the
3 communications is securely encrypted, so nobody can lift
4 this stuff off. RF devices should be designed so that
5 you can turn them off, although my betting is they never
6 will be, because if you do that you defeat some of the
7 crime control aspects of them.

8 I think I have probably about one minute left,
9 right Toby?

10 MS. LEVIN: We will give you two.

11 MS. PERRIN: Two? Thanks. Well, I will just
12 skip through here. I'm going to skip what a PET is. I'm
13 going to skip the boom years. You can look at that
14 poster that I brought from the workshop two years ago,
15 and see how many are still alive.

16 What do people want? It's got to be easy. It
17 has to have no additional consumer burden, no load.
18 People want it for free. They want it bundled with their
19 products. They don't want to be nicked and dimed to
20 death. And people don't understand the threat and the
21 potential harm. As we heard a second ago, kids don't
22 know they shouldn't put their telephone numbers up on the
23 Internet. They don't know the basics. And that's
24 normal.

25 I mean, you still have to train your kids not

1 to talk to strangers in weird places, and that they
2 should be home at night instead of out at 2:00 in the
3 morning. You have to train each generation about IT, and
4 we are really the first generation that's training about
5 IT. So this shouldn't surprise anyone.

6 But you're not going to sell something if
7 people don't understand why they should use it. And
8 people cannot understand the data flows. In fact,
9 privacy experts, security experts, and information
10 experts can't understand the data flows. So that's one
11 of the hardest things to understand, where the data goes
12 and shows up, and who can access this, how it can be
13 used.

14 Now, here are the market drivers list, and I
15 would just leave you with this parting thought, that if
16 we want privacy to be ingrained in the system, we've got
17 to create drivers. Legislation is going to start pushing
18 things in the health sector, because there are some
19 strong requirements there for security. Security and
20 privacy ought to go hand in hand, and not be opponents.

21 Some of this enforcement action is driving it,
22 just at the tort level. Customer trust and damage to
23 brands. Smart companies -- I'm looking at Richard
24 Purcell here, I love to tease him -- but Microsoft
25 eventually realized they had to do something about

1 security and privacy, and so went forward and started to
2 do it. Brand is important.

3 And I will just close on this final note. The
4 security benefits of having less personal information is
5 not sufficiently recognized. And with this thrust now
6 for critical infrastructure protection, there is a drive
7 to get more information about who is doing what to whom.

8 Leaving personal information around ought to be
9 thought of as leaving a bucket of cash, because it's
10 saleable, organized crime is interested in it, the
11 terrorists are interested in it. You want to protect
12 that like cash. So if you can find a way to avoid having
13 it, through a PET, that's a good thing. You can get the
14 bonus of the use of the data, and make it disappear
15 afterwards. That's a great thing.

16 I will just cursor through. There we are.
17 Thank you very much.

18 MS. LEVIN: Thanks, Stephanie. Excellent.

19 (Applause.)

20 MS. LEVIN: As you have probably already
21 observed, we have included the slide presentation copies
22 in your folders, so that you can review that information,
23 and it helps our presenters to skim through it faster in
24 their oral presentation. But there is a lot of important
25 information in those slides, so -- good foundation.

1 Ruchika, would you give us a summary of your
2 perspective on what constitutes privacy-enhancing tools?

3 MS. AGRAWAL: Sure, though I want to start off
4 by giving you an intuition behind PETS. And basically,
5 we use PETS all the time: cash, Metro cards, postage
6 stamps. And the intuition behind it starts with a
7 question of when is data collection absolutely necessary
8 to complete a transaction or a communication?

9 And so, with that, we start off with defining a
10 framework for PETS, where PETS eliminate or minimize the
11 collection of personally identifiable information. And
12 we have tons of examples.

13 Stephanie mentioned websurfer anonymizers.
14 Anonymous publication storage services allow speakers,
15 Internet speakers, to publish anonymously, and it
16 respects First Amendment rights. Anonymous remailers
17 allow users to e-mail, or post in user groups
18 anonymously. Blind signatures -- what Stephanie was
19 talking about, one-way functions -- permit a host of
20 transactions without being personally identified.
21 Digital cash, analogous to physical cash, don't leave a
22 trail of personally identifiable information.

23 Digital tickets authorize -- we can appeal to
24 the real world. An example of this when you go see a
25 movie, a movie ticket authorizes you to see a particular

1 showing of a movie. And so digital tickets can serve the
2 same function.

3 Pre-paid smart cards, if done right, they don't
4 have to leave a trail of personally identifiable
5 information, and there is a host of other examples.

6 We note that PETS are the way to go, and we
7 observe certain characteristics. One I already
8 mentioned, that they limit the collection of personally
9 identifiable information, they enable communication in
10 commerce, they don't facilitate the collection of
11 personally identifiable information, they don't force
12 users to trade -- Internet users -- to trade privacy to
13 participate in commerce or communications, and they don't
14 treat privacy as a business commodity.

15 We also note that PETS offer a rich area for
16 future research. There is -- as Stephanie already
17 mentioned -- with security, digital rights management,
18 freedom of expression, computerized voting.

19 And we close with saying that the critical
20 point in the adoption of PETS is to make it less
21 important for users to understand. I mean, and the model
22 we note there is SSL, which is the secure socket layer,
23 which was widely adopted, which was already bundled into
24 your Netscape Navigator, for example. Users don't have
25 to understand it, it's already part of the system. And

1 that's the key requirement, we think, to the successful
2 adoption of PETS.

3 MS. LEVIN: Okay. We will come back and talk a
4 little bit more about what's been widely used in the
5 marketplace and what hasn't in just a minute. And we
6 would like to follow up with Ruchika regarding some of
7 the examples you have given.

8 But, Marty, would you add to what she said, in
9 terms of your views of what constitutes privacy tools?

10 MR. ABRAMS: Well, I have been given three
11 minutes to say that it's not just about online, it's not
12 just about the collection of information, that there are
13 other basic privacy principles that we need to think
14 about.

15 To me, the most important is awareness, or
16 transparency, the fact that we can see clearly how
17 information is going to be used, not just that it's being
18 collected, but how it's going to be used, and the
19 protections around that information. And also, that
20 there are technologies that are enhancing parts of what
21 it means to practice good privacy.

22 For example, in the United States, where
23 accuracy of information is important, we give people
24 rights to access that information, like the Fair Debt
25 Collection Act, Fair Billing Act, Fair Credit Reporting

1 Act.

2 And the technologies, actually, that are coming
3 online have facilitated consumers' exercising those
4 rights much more easily. I can go to Citicorp and get a
5 downloading of this month's account, last month's
6 account, the month before, the month before, so I can see
7 if, indeed, there are issues related to the accuracy of
8 that information. And technology has facilitated that.

9 So, I think that thinking about this as a
10 conference on PETS is probably inappropriate in a world
11 where we need to think about both online and offline
12 privacy. I think we should think about PETS as privacy-
13 enhancing tools, and that they are multiple tools that we
14 can use.

15 Now, all of these -- you know, I'm not nuts --
16 all of these things in the electronic world have to be
17 coupled with the appropriate level of security. And we
18 are still working on what it means to have the
19 appropriate level of security.

20 If I am going to go and download my account
21 information from the Internet, I have to have appropriate
22 levels of security so I can, indeed, gain access to that
23 information safely. But I think we need to think in a
24 broader term than just sort of the traditional definition
25 of PETS that was put on the table by my distinguished

1 colleagues.

2 MS. LEVIN: In the examples that Ruchika gave
3 of anonymous tools, and other tools that are in the
4 marketplace, which ones have succeeded and which haven't,
5 and why? Let's see if we can learn more about that. And
6 Alan, if I can throw the ball to you to start us off?

7 MR. DAVIDSON: I'm not Paula Bruening, by the
8 way, and that's not my pseudonym, either. I'm channeling
9 Paula today, though.

10 My first project when I was at CDT was working
11 on what I considered sort of the mother of all privacy-
12 enhancing technologies, which was the liberalization of
13 encryption technology, which I think counts as a success
14 in a lot of ways. It was the enabler of a lot of other
15 technologies that we're talking about today.

16 A few words about P3P, which I'm sure we will
17 talk about more, as well. But I was going to quote -- to
18 paraphrase the sixties rock band, The Monkees, I'm a
19 believer. I think we're still believers.

20 And P3P is a first step, it's a modest step.
21 People know this, but there are some notable successes, I
22 think particularly in providing transparency in the area
23 of cookies, for example. I mean, there are some notable
24 successes -- the adoption of P3P widely -- is something
25 that we can point to.

1 There have been disappointments, and there are
2 a lot of lessons learned from the P3P experience. Lorrie
3 Cranor has written about this, others have talked about
4 it. I am sure we will talk about it more, but slow
5 adoption rates, difficulty in terms of users
6 understanding these systems.

7 There have been disappointments in other places
8 in the market. The anonymizer tools, some of the tools
9 that Stephanie ran through, we have been, frankly,
10 disappointed that they haven't succeeded. And Stephanie
11 gave a nice run-down of some of the market factors that
12 play into that.

13 I would just say that I guess a bottom line is
14 that we still are back to -- if you ask why this has
15 happened, I would say that we're still back to what we
16 sort of call the holy trinity around our office of
17 privacy, it's technology, it's also industry best
18 practices and self regulation, and baseline regulation.

19 And together, we need all of those things,
20 because if you look at the question of how -- where the
21 incentives are going to be to adopt these tools, a lot of
22 them come from those other places. It's an iterative
23 process, where the tools create greater visibility, which
24 drives some of these other areas. But at the same time,
25 those other areas may be what drives the tools.

1 And anyway, it's not a silver bullet, there is
2 not an easy answer. But I think that we would say all
3 three of these things need to be looked at together.

4 MS. LEVIN: Danny, I'm going to ask you to
5 follow up with that, again, focusing on the issue of
6 what's been adopted and what hasn't, and why.

7 MR. WEITZNER: Well, I think it was
8 particularly interesting to hear Stephanie give the long
9 list of privacy-enhancing technologies and note that most
10 of them just didn't quite cut it.

11 And I think the ones that have cut it, even in
12 the areas such as anonymous browsing, I think what's
13 going to make anonymous browsing work is that, more and
14 more, it will become part of the infrastructure. People
15 are figuring out how to offer it for free.

16 Now, I think anonymous browsing has, in fact, a
17 relatively small place in most people's online life, and
18 that's for two reasons. And I would broaden that to say
19 that I think that minimization, while a critical privacy
20 principle, in the world we live in, I think is the
21 coequal principle of transparency. I think those are the
22 two important principles. And I think to rest too much
23 hope on minimization is, frankly, to ignore many of the
24 real problems we face.

25 I don't think that there is an either/or here,

1 but I think there has been a traditional emphasis in the
2 privacy community, frankly, on minimization. And that's
3 understandable for many reasons. But I think that we
4 have to look around us at the world that we're in, and in
5 fact, at the kind of interactions that people want to
6 engage in online.

7 The gentleman from DHS's daughter who wanted to
8 make her phone number available, now, I'm sure she got a
9 good education in talking to her sister and her father on
10 that subject. But people do actually want to communicate
11 a fair amount about their identity. They want to be
12 found, in many cases, as much as they sometimes don't
13 want to be found.

14 And we have to accommodate and recognize the
15 fact, as we build these systems, that the production of
16 culture requires the exchange of identity. Commerce
17 requires the exchange of identity. Politics -- we talk
18 about First Amendment rights -- politics requires the
19 exchange of identity. It's certainly vital to have the
20 right to anonymous political speech, but I think we would
21 all agree, if all political speech was anonymous, it
22 wouldn't be worth a whole lot.

23 So, I think we have to learn how to pay
24 particular attention as we move forward, to notions of
25 transparency.

1 But I got off, Toby, so I want to come back to
2 what I think -- the kinds of things that I think can
3 work, and don't work. What is clear is, I think, is that
4 individual consumers are not prepared to shell out a lot
5 of money or a lot of time or a lot of attention in order
6 to protect their privacy. Ruchika said, and Stephanie
7 alluded to it, we have this long list of services that
8 were either too expensive or too hard, or just took more
9 than a glimmer of someone's attention to actually use.

10 And I think that -- so I think that the answer,
11 in general, whether we're talking about the traditional
12 PETS that are about minimization, or whether we're
13 talking about technologies like P3P -- technologies based
14 on P3P -- that enhance user control, that enhance
15 transparency and choice, these have got to be built
16 deeply into the infrastructure.

17 I have a bias here. The organization I work
18 with is about creating infrastructure standards for the
19 Web. The reason we have put so much energy into P3P is
20 that we believe that if we build the ability to have
21 better transparency into the Web so that it's a baseline
22 feature, so that it's in the major browsers, so that it's
23 more and more in major server products, it will be easy
24 to deploy, that people don't have to spend as much money,
25 they don't have to spend as much time on making it work.

1 That's going to be the key, is making these
2 services virtually free, at least to the consumer, and
3 widely enough used that it makes business sense to pay
4 attention to them. If we have 10 standards out there
5 about how to do transparency, the cost, both to consumers
6 and to businesses would be overwhelming and they would
7 never get anywhere.

8 I think the same kind of thing is true when you
9 look at services that enhance minimization, such as
10 online browsing. We have got to develop common
11 standards. We have some very basic encryption standards
12 out there that are important, but we're so far from being
13 able to facilitate a degree of anonymity in browsing that
14 also, for example, facilitates the delivery of the
15 product you actually found and want to buy.

16 We're so far from that, we could get much
17 closer to that, but it's going to require an awful lot of
18 work on common standards and common approaches. I think
19 we can accomplish a lot, but we have got to make these
20 things, as Ruchika said, virtually invisible, requiring
21 only a glimmer of understanding of users.

22 MS. LEVIN: Is the fact that it has to be easy
23 to use and inexpensive, or virtually free, mean that
24 consumers don't care about privacy?

25 MR. WEITZNER: No, I think what it means, very

1 simply, is that it's a classic problem of externalities.
2 In any given transaction that a consumer engages in --
3 and this is true online or offline -- the choice you have
4 is whether to spend extra time right now, extra
5 attention, extra resources of yours, give up
6 opportunities that you might have otherwise, in order to
7 gain some intangible -- seemingly intangible -- privacy
8 benefit that's off in the future.

9 The cost, if you look at it in crass economic
10 terms, of privacy to users, is the long-term profiling
11 goes on, the long-term intrusion. That cost is not
12 evident in an individual transaction. I think that's why
13 we see, in the U.S., with, I don't know, 37 states that
14 offer the opportunity not to use your social security
15 number as your driver's license number, the usage of that
16 option is tiny. It's -- and it's simply because people,
17 I believe, choose -- are not presented with the long-term
18 costs and the long-term implications.

19 So, we have to, therefore, turn that around a
20 little bit. I think that part of what's so critical
21 about transparency, I would say more than minimization,
22 what's so critical about transparency is that it helps
23 create both the individual awareness of the actual cost
24 of putting your phone number on the IM message, or
25 disclosing your name, or doing whatever else, it helps

1 the individuals to be aware of the cost.

2 And I think it also creates a very important
3 social feedback mechanism. People do need to understand,
4 and need to internalize beyond just, you know, guidance
5 from DHS, which will be valuable, but people need to
6 internalize, in a direct way, the costs of disclosing
7 personal information. And it is only with that, and it's
8 only once people understand that, I think, that we will
9 get the kind of regulatory response that Alan discussed,
10 and find the right balance.

11 People simply are not aware of what's
12 happening, and we need to help that to happen.

13 MS. LEVIN: Okay, Marty, why don't you --

14 MR. ABRAMS: I disagree a little bit. We have
15 lots of teachable moments. We all know that consumers
16 are most responsive when they're at the teachable moment.

17 In my household, the teachable moment came when
18 my son unintentionally brought spyware into the house
19 with music on our home computer. And I think that it's
20 not just about money, it's about the inner -- it's the
21 way software operates together, it's the ease of putting
22 the software on, it's the ease of making the software
23 work.

24 I can tell you that our system supervisor
25 graduated from high school and went off to college, that

1 there are multiple advanced degrees in my household, even
2 with him off at college, but none of us could make the
3 software that was supposed to make our computers more
4 secure work the way our household needed the computers to
5 work.

6 So, it's not just about money --

7 MR. WEITZNER: I think you could, I think you
8 didn't choose to spend the time.

9 MR. ABRAMS: Oh, Danny, I'm not an idiot.

10 MR. WEITZNER: Oh, I know you're not an idiot,
11 that's why I think you could do it.

12 MR. ABRAMS: Danny, I am not an idiot, my wife
13 is not an idiot. We have a home network with four nodes.
14 That's just the way our household has to work. And I --
15 you know, I dispute you when you say that between my wife
16 and I, with the amount of time we had to dedicate -- now,
17 sure, we could go and take a class, sure, we could, you
18 know, go off and spend all of our time doing this.

19 But we need the technology, to be honest, to
20 work the way Richard Purcell has talked about in the
21 past. It needs to work easily, it needs to work. We
22 need to take advantage of those teachable moments. When
23 consumers put software on their computer, it has to work
24 the way a toaster does.

25 MS. LEVIN: Alan --

1 MR. ABRAMS: You put the toast in, and it pops
2 up.

3 MS. LEVIN: But Alan also pointed out the role
4 -- that technology is one piece, and he mentioned the
5 role of best practices, and also a legal framework. Do
6 you need that to couple with technology, or can
7 technology do it alone?

8 MR. ABRAMS: I have never been opposed to good
9 privacy law, good security law. I say -- I have often
10 said we don't know quite yet how to write that, and we
11 shouldn't write law until we know how to put it in place.

12 But I go back to the basics, and some of the
13 basics are that people need to -- when they're at that
14 point where they discover the need for a service or
15 product -- and I see security and privacy as a product --
16 it needs to be easily usable by the consumer. We need to
17 build that into the products, and make that as something
18 that makes the products more marketable.

19 Sure, we need to govern the way data is
20 collected in certain instances, we need to have an
21 infrastructure, but I think that's a cop out to say that
22 it's the legal infrastructure that gets in the way of
23 solving the problem.

24 MS. LEVIN: Can we get some comments from
25 others on the panel, who would like to -- Brian?

1 MR. TRETICK: Yes. I think two of the most
2 prevalent privacy-enabling techniques that are used today
3 are screen names, like your AOL screen name, your MSN
4 screen name, which disguise your true identity, while
5 allowing you to do things and be contacted.

6 And the other is, I think again, one of the
7 most prevalently used technologies that's privacy-
8 enabling is Internet Explorer 6.0, which, you know, looks
9 at some of the P3P components that we will talk about
10 shortly. But it's there, it's on, and operating.

11 I think then, two very prevalent tools that
12 business offers, I think the most widely offered tools,
13 are opt ins and opt outs. And while those don't
14 necessarily limit collection, they could limit use and
15 disclosure. So those already exist today. Those aren't
16 necessarily technologies. Technologies have to be there
17 to drive them, but those are there, as well.

18 MS. LEVIN: Good additions. Alan?

19 MR. DAVIDSON: I was just going to say, you
20 know, if you look at -- even at these examples that Brian
21 just gave, I think our greatest successes have been where
22 the transaction costs are low, where tools are being
23 built into other products that people are already
24 adopting.

25 And maybe that tells us something, which is

1 that maybe the greatest success story, in some ways, of
2 privacy-enhancing tools is its effect on what we're
3 supposed to be talking about later in the day, its affect
4 on architecture, which is the fact that this has made
5 people start to think about how to build privacy
6 enhancement into other products, other tools.

7 I don't know where you draw the line between
8 what's a -- maybe Stephanie will have an answer for us
9 about where you draw the line between a privacy-enhancing
10 tool and a change in the architecture or a change in the
11 current product.

12 But if it's true, as Ruchika says, that
13 consumers really need this to be easy -- and I think that
14 that is true -- the best way to make that happen is going
15 to be to change the products that they're already buying.
16 And that's happening.

17 MS. LEVIN: Lorrie?

18 MS. CRANOR: Well, one of the problems that we
19 have is that, as technologists, we don't fully know how
20 to build these things so they just work. And I think a
21 panel this afternoon will talk about that some.

22 SSL is a good example, that it was given that
23 it just works. Well, actually, it only sort of just
24 works. The part about encrypting your data just works.
25 But one of the roles of SSL is it's supposed to

1 authenticate, it's supposed to make sure that when I go
2 to, say, Amazon, with the idea of giving them my personal
3 information to buy something, it's really going to Amazon
4 and not somebody else who is actually stealing my
5 information. And that part of SSL actually doesn't work
6 unless you're a pretty knowledgeable consumer. And so,
7 that's a problem.

8 Another quick point is that I think it's
9 important to look beyond just this online environment
10 when looking at PETS, and to look at the design choices
11 in general. Another thing that was brought up was cards
12 and toll systems. Well, you know, in this country, we
13 typically don't have a public debate when we build a toll
14 system as to, well, should we make it an anonymous system
15 or not, you know. Usually there are so many other
16 factors that get in there, and that gets lost.

17 And you know, a transit system, the D.C.
18 transit system is, more or less, an anonymous card
19 system. The New York one is definitely not. They do the
20 same thing. There is no reason why they had to be built
21 differently, but they were.

22 MS. LEVIN: Okay. Anyone else want to comment
23 on how to use these tools? Yes, Ruchika?

24 MS. AGRAWAL: Well, I just wanted to comment on
25 -- I feel that there is consensus up here that the

1 important thing about PETS is to make it less important
2 for users to understand it. But I notice an inherent
3 contradiction when you compare that with a technology
4 that's supposed to enable user control. I mean, that, to
5 me, is a contradiction, and I was hoping for a resolution
6 of that.

7 MS. LEVIN: Can you clarify? Are you
8 suggesting that the tools, by definition, need to allow
9 for user control?

10 MS. AGRAWAL: Well, like, P3P, and I think
11 Danny has a comment, because -- what I mean is P3P is
12 supposed to enable user control. But at the same time,
13 we're acknowledging that an important aspect to
14 successful adoption of these tools is to make it less
15 important for users to understand the tools.

16 But if you're trying to get the user to use
17 this particular tool to control their transactions, I
18 mean, it's actually making it more important that the
19 user understands it.

20 MS. LEVIN: Okay.

21 MR. WEITZNER: I think that there is a
22 distinction, perhaps, between understanding tools at a
23 technical level, and understanding the results you are
24 trying to achieve. If you expect that people are going
25 to use anonymous browsing, they would only use it with

1 the expectation and understanding that their identity
2 would be shielded in a certain way.

3 When technologies, computer technologies, or
4 toasters, or anything else, work properly, people
5 understand how to get the results they want, and don't
6 have to think about how they function.

7 I think, no doubt, we have seen, even in the
8 early evolution of P3P implementations, in fact, a
9 transition towards the, I think, Ruchika, what you cited
10 as the success of the SSL model, that people see that
11 little lock and key, or they don't.

12 And Lorrie, I think correctly, points out that
13 people may actually impute the wrong meaning to the
14 presence of that key or not, but nevertheless, it
15 provides a degree of assurance. It allows people to make
16 what computer scientists call a kind of a tacit
17 judgement. It's something you see there, you say, "Okay,
18 I'm happy." You don't have to do what Marty's child
19 evidently did, which was to get under the hood and make
20 things work properly.

21 That's clearly, I think, where we all want to
22 get. I don't think that there is really any
23 contradiction here if you understand that what we're
24 trying to do is enable people to have a certain kind of
25 experience, and give them control over the experience.

1 Whether that control is in the form of limiting
2 information altogether through anonymous browsing, or
3 it's in the form of making sure that you only provide
4 personal information in certain contexts.

5 The point is that people need to achieve the
6 result they want without worrying about how it actually
7 happened. That's what technology ought to do for us.

8 MS. LEVIN: And so, Ruchika, if I'm right,
9 you're saying that consumers need to understand what the
10 technology does for them in order to make some decisions
11 about it, need to have some level of understanding of how
12 to use it, and why use it, but not need to know exactly
13 how it works?

14 MS. AGRAWAL: Well, I think there are multiple
15 levels here. And I mean, Stephanie mentioned in the
16 beginning that people don't understand data flows. I'm a
17 technologist, and I used to work for a financial firm,
18 and I did all this e-commerce stuff, and I did not
19 understand the data flows.

20 I mean, people generally don't understand data
21 flows. And the second level is understanding the
22 technology behind it, which is why we keep saying that
23 it's just important that they're built in, like seatbelts
24 are in a car. It's just there and you use it, it's just
25 less important to understand.

1 MS. LEVIN: That's a perfect segue into our
2 discussion on P3P, which is a technology that is designed
3 to help consumers understand a whole lot of information
4 in a very automated kind of way, and I think bridges that
5 discussion of education and technology, and policy.

6 And Lorrie Cranor is here to -- I don't know if
7 she will object to my referring to her as one of the
8 mothers of P3P -- but is here to give us an overview on
9 its status. And then we will launch into a discussion
10 about it.

11 MS. CRANOR: Good morning. I am also going to
12 go rather quickly through my slides, but you can read the
13 details on your own.

14 P3P, for those of you who are not familiar, is
15 a standard that was developed by the World Wide Web
16 Consortium. And basically, it's a way for websites to
17 take their privacy policies and put them into a computer-
18 readable format. And the idea is that once they are in a
19 computer-readable format, we can build tools for users,
20 typically into a web browser, that will do something
21 useful with that privacy policy information.

22 I'm going to skip over all the pieces of P3P.
23 What is probably most interesting about P3P, for people
24 who are not familiar, is what you can actually learn from
25 these computer-readable privacy policies, and here is a

1 list. You can take a look at of some of the main
2 features. There is actually more details under each of
3 these categories.

4 P3P supports the creation of P3P user agents.
5 And these are software tools that can actually go and
6 read the P3P policies and do something useful for users.
7 I am going to tell you about a few of them that are
8 currently available.

9 There are P3P user agents that are actually
10 built into the Microsoft Internet Explorer 6 web browser,
11 and the Netscape Navigator 7 web browser. It just comes
12 with those web browsers. Users don't have to do anything
13 to get them.

14 These browsers basically focus on one aspect of
15 P3P, something called a compact policy, which is used to
16 describe the privacy policies associated with cookies.
17 And when a website tries to set a cookie, these browsers
18 will automatically take a look at the P3P compact policy
19 associated with that cookie, if it has one.

20 And actually, the default setting on IE6 is
21 that if there is a cookie that's being set by a third
22 party and it doesn't have a P3P compact policy, that
23 cookie gets blocked automatically. Netscape has
24 different default settings, and users can actually adjust
25 those settings.

1 Another thing that both of these browsers do is
2 they have a way for users to go and get a summary of a
3 website's privacy policy. And this is done by having the
4 browser go and read that computer-readable privacy policy
5 and then translate it back into English. And so, the
6 user gets a privacy policy in a standardized format from
7 both of these browsers.

8 Now, there is another tool called the AT&T
9 Privacy Bird, which we developed, which is basically an
10 add-on for IE5 and IE6. You can download it for free.
11 It takes a little bit of effort, because the user has to
12 actually go and get it, although it is free.

13 Basically, what it does is it puts an icon in
14 the corner of the browser window with a little bird that
15 goes and checks the P3P policy at websites, and it
16 changes colors and chirps to indicate whether or not the
17 website's policy matches the preconfigured settings that
18 the user has put into their browser about privacy. It
19 also has a way of getting that English translation of the
20 computer-readable code.

21 One of the things that we have discovered in
22 the year or so that these tools have been available, is
23 that they don't all provide identical English language
24 translations. And this is something that a number of
25 websites have raised as a big concern that if somebody

1 comes to my website and they are using Netscape, or they
2 are using IE6, or they're using Privacy Bird, they are
3 seeing slightly different versions of my privacy policy.

4 And so, I don't have full control over how
5 users are viewing my privacy policy. And so that's
6 something that's been a concern. And the WC3 has a
7 working group now that's working on trying to come up
8 with some guidelines so that we can get some more
9 consistent representations of these policies in languages
10 that users will actually understand.

11 Just to show you an example, this is what
12 Privacy Bird looks like. You can see the bird icon in
13 the corner. If I click on that bird, I can get the
14 policy summary -- this is the English translation of the
15 privacy policy. This is a site that matches my
16 preferences, it's a green, happy bird.

17 Sites that don't match -- I don't think anybody
18 could hear the sound effect, but it was an angry sound --
19 you have this red, angry bird. And again, we can look at
20 exactly what is the translation, and also, we can see the
21 mismatch. At the top of the translation, we indicate why
22 exactly this policy didn't match my privacy preferences.

23 Okay, I'm going to take you very briefly
24 through some of the studies that we have done on Privacy
25 Bird and P3P, and there are references where, if you want

1 to go and look up the complete studies.

2 We did an e-mail survey of Privacy Bird users.
3 At this point, over 30,000 people have downloaded it. We
4 sent out e-mails to those who had opted in to receiving
5 surveys, and asked them questions about Privacy Bird.
6 Overall, the feedback was quite positive.

7 The biggest complaint that we got was there
8 were too many sites where they couldn't get an indication
9 from the bird as to whether or not it matched those
10 preferences, because those sites weren't P3P-enabled.
11 And obviously, the tool would be much more useful if they
12 were.

13 An interesting thing that we saw is that these
14 users reported changes in their online behavior as a
15 result of using this tool. They found it useful, they
16 found it was something that they could actually rely on
17 to do something. These are, of course, self-reported
18 numbers, and not a random sample, but there is some
19 indication that at least some people find this to be a
20 useful thing to do.

21 There also seemed to be some indication that
22 people would really like to be able to use the tool to do
23 comparison shopping, to keep one of the factors in mind
24 besides price, to look at what are their privacy
25 policies?

1 Another study which we're doing, and we have
2 some preliminary results on, is we have actually -- we
3 give some users who have never used Privacy Bird or IE6's
4 P3P tools before, we give them some training on how to
5 use them. And then we give them some assignments, to go
6 to some actual websites, read the privacy policy, and
7 answer some questions. You know, "Will this site share
8 your e-mail address for marketing," for example. We have
9 them use Privacy Bird, we have them use IE6, and we have
10 them just read the policy and answer the questions. And
11 then we see how long does it take them to do it, how
12 accurate are they in finding the information, and what
13 did they think of the experience?

14 This has been very informative, and we found
15 that, overall, using the P3P user agents, people are able
16 to find the information much more accurately, and they
17 certainly have a much better feeling about the process.
18 They like using the tools to find the information. They
19 hate reading privacy policies.

20 We found that there are some problems,
21 particularly with the IE6 user agent, and this is, in
22 part, due to some of the inconsistencies in the user
23 agent. IE6 actually leaves out some of the components of
24 a P3P policy, which actually make it impossible to answer
25 certain questions. And I think these are things that

1 could easily be fixed in a future version.

2 We have also found some problems with Privacy
3 Bird, as well, in some particular types of wording
4 problems, and we're going to be making some
5 recommendations to the P3P working group, as far as in
6 their guidelines, how to address these kinds of issues.

7 Another thing that came up in the course of the
8 study was what were users actually looking for when they
9 read privacy policies. And what we found is similar to
10 what other studies have found. People want to know what
11 are they collecting about me, how is it going to be used,
12 will it be shared, will I get unsolicited marketings as a
13 result, and how can I opt out?

14 And I put in purple two of these things. These
15 are the two things that I think are really key. When you
16 ask people, you know, "What is really most important,"
17 it's -- will it be shared, and will they send me
18 marketing. The "how can I opt out," I put as less
19 important because a lot of users don't even realize that
20 that's a possibility, so they are not even asking that
21 question.

22 And one of the things we discovered is that the
23 P3P user agents allow people to answer those questions.
24 But what people would really like to see is right at the
25 top of the screen, they just want the answers to those

1 questions. They don't want to have to look through and
2 find it halfway down.

3 Another study that we have done -- and we have
4 a report which, hopefully, will be out on the tables
5 outside shortly, as soon as it arrives here -- is we have
6 done a study of P3P adoption at websites. We have tools
7 that can automatically go and survey websites to find out
8 if they have P3P, and to actually analyze those policies.

9 We looked at 5,800 websites about a week ago,
10 and we found 538 that had P3P policies. The adoption
11 rates are higher. If you look at the top sites, the top
12 100 sites, it's about 30 percent, and it goes down as you
13 go down to the less popular sites.

14 And as Brian will show you in his talk,
15 adoption of P3P is increasing, although slowly. We
16 looked at some specific sectors -- government websites,
17 adoption is very low. We expect this will change, once
18 the new regulations take effect.

19 We also found that adoption rates at children's
20 websites are fairly low, but there are some interesting
21 trends, which you can read about in the study, with
22 children's sites.

23 One of the most surprising things that we saw
24 was the number of technical errors in these P3P-enabled
25 websites. About a third of them actually had some form

1 of technical error. About seven percent we categorized
2 as very serious errors, where they were omitting an
3 essential component.

4 Now, it's actually very common for web
5 standards to have errors. If you look at other types of
6 web standards and studies that have been done you will
7 see that they all have tons of errors. But we think that
8 there may be some more concern about P3P errors, due to
9 the nature of what P3P is actually telling you, that this
10 may be a bigger problem.

11 There actually is software and services and
12 tools and books available that should help websites solve
13 this problem. And most of them are available for free,
14 but people are not using them.

15 And just to give you a little bit of a taste of
16 some of the other things that we were able to find from
17 looking at these P3P-enabled websites, is we were able to
18 essentially do the kinds of web sweeps that have been
19 done in the past for these FTC workshops, but we were
20 able to do them very fast. And in the order of a few
21 hours, we could check 500 websites, and find out how many
22 had opt in, how many had opt out, you know, did they
23 provide access, whatever.

24 And so, you can see just a few of the kinds of
25 statistics that we were able to collect. And there is a

1 lot more detail in the report.

2 Just to -- what I want to leave you with here,
3 so you know, P3P has been out officially for about a
4 year. And I think what we have seen is that P3P adoption
5 is steady, that we are seeing, you know, good adoption
6 rates, but we need more. And we need the sites that are
7 adopting P3P to do a better job at getting it right.

8 You know, it raises some questions, all these
9 errors that we're seeing, is -- do we need some sort of
10 process to actually go and audit these policies? You
11 know, we don't know anything about are they actually
12 accurate, what they're saying. All we are looking for
13 here is technical errors, but the number of technical
14 errors is somewhat concerning.

15 We also see that there are some P3P software
16 tools that are available for end users. They are readily
17 available. They need some improvements, but I think that
18 there is promise that we will get those improvements.

19 We are also seeing that users of these very
20 early P3P user agents are already finding them useful.
21 They will find them more useful when there are more sites
22 P3P-enabled, and there are some improvements.

23 We are also seeing that P3P has had an
24 unexpected result. Besides being part of a user agent,
25 P3P is also something that we can use to assess the state

1 of website privacy policies through this sort of
2 automated web sweeps.

3 And finally, I think in the future, what is
4 going to be particularly useful is to get services that
5 make it even easier for web users to use P3P to answer
6 questions they want at the time they need it.

7 So when I go to a search engine, instead of,
8 finding the site I want, going there, and then finding
9 out they have a bad privacy policy, what if I could tell
10 the quality of the privacy policy from that search
11 results page, and just go directly to the site with the
12 best policy. And so I hope we will see services like
13 that in the future. Thank you.

14 MS. LEVIN: Thanks, Lorrie.

15 (Applause.)

16 MS. LEVIN: Brian, if you could fill us in on
17 the Ernst & Young reviews.

18 MR. TRETICK: Certainly. Starting back in
19 August of 2002, we collected data on the top 500 web --
20 most active web domains for U.S. surfers from Comscore
21 Networks, through their media metrics Netscore program.
22 Without the aid of wonderful technology, we plodded
23 through the 500 sites in August, September, October,
24 planning to check on and report on P3P adoption rates on
25 a monthly basis. We decided that the needle wasn't

1 moving fast enough, so we went to a quarterly basis --
2 October to January to April -- the April report is out on
3 the information table, and it's available, also, on
4 ey.com/privacy, for download. Also, the past reports are
5 posted on the site.

6 What we were able to do with the Comscore data,
7 which separated these top 500 domains according to
8 industry, we were able to determine whether they were
9 P3P-enabled, or had the full P3P policy, not just by
10 count, but also by industry.

11 In August, of the top 100 domains, 24 out of
12 the 100 or 24 percent were P3P-enabled. And that
13 increased into April to 30 percent.

14 Of the top 500, we start at a lower level,
15 about 16 percent back in August. We believe we're up to
16 around the 20 percent mark for April. If you look at the
17 dashboard, which presented the percentages as
18 speedometers for these 20 categories, the real outliers,
19 the ones who are well below those 20 percent for top 100
20 -- 30 percent for the top 100, 20 percent for the top 500
21 -- are government sites, and those are federal sites in
22 the top 500. Those are also state sites, state domains.

23 With the e-government Act, we would expect to
24 see, when the OMB publishes those criteria, the federal
25 sites, at least, catching up to where industry is and

1 actually surpassing them.

2 We also see a significant lack of adoption in
3 education-related domains, and also the auction -- online
4 auction sites. We hope, in the future, to be made
5 obsolete by the software programs that AT&T Research has
6 put together so we can go off and count things in a more
7 automated fashion. Thank you very much.

8 MS. LEVIN: Thank you. Lorrie mentioned IE6
9 and the important role Microsoft has played in the
10 implementation of P3P. Philip, can you comment on that,
11 and bring us up to date on what Microsoft is doing for
12 deployment?

13 MR. REITINGER: Sure. I would like to -- since
14 I didn't have a chance to talk on the last point raised -
15 - one quick point which leads into the IE6 question. I
16 think I heard raging agreement that privacy tools need to
17 be as -- as all of us, I think, who were involved in the
18 crypto-war, the great crypto-war, as Stephanie put it, a
19 nice turn of phrase, of "double-click, easy, fast, and
20 cheap." It's a phrase from Bill Pullis at EDS.

21 And I think that is happening. Privacy needs
22 to be built into either the architectural products, as
23 Alan put it, or the architecture of the Internet, as
24 Danny put it. And at least on the product side, I think
25 that is happening.

1 I won't go into details, given time, but
2 certainly on some of the Microsoft products, like Windows
3 Media Player 9, and Office 11, security tabs and privacy
4 tabs are being included in the architecture of products
5 that allow people to protect their privacy.

6 Another good example, moving to the topic at
7 issue, is P3P. As I think was raised, it's built into
8 Internet Explorer 6 in a manner that examines the compact
9 policy for cookies. But it's also important to
10 recognize, as the discussion of Privacy Bird indicated,
11 that it's actually an extensible architecture. So you
12 can have browser helper objects that are designed by
13 third parties that will also enable privacy, and give
14 users additional choice.

15 Microsoft is also a big supporter of P3P, not
16 only in IE6, but we have deployed it across our websites.
17 We think it's an important tool for enabling consumers,
18 particularly to have transparency in notice and choice.

19 The last thing that Microsoft does to support
20 P3P is we encourage our Passport partners to implement
21 P3P on their websites. So, we think it's a great tool,
22 we're committed to it, and we're committed to continuing
23 to support it in its continued development.

24 MS. LEVIN: Given your experience with your
25 Passport companies, in particular, how easy is it for

1 them to implement P3P? What's been your experience?

2 MR. REITINGER: I'm going to have to speak a
3 little bit not from personal knowledge on this, because
4 that's not my main business line. I think when you talk
5 about incentives and disincentives to adoption of P3P, we
6 have already discussed them to some degree. I would sort
7 of group the disincentives into three categories: cost,
8 risk, and control.

9 Cost is mostly start-up costs, actually setting
10 up the website to do that. I think that is dropping, but
11 it might be perceived to be higher than it actually is.

12 Risk, all sorts of things that we're going to
13 get to later, with regard to legal concerns -- probably
14 fall into three rough categories. First, what if you
15 have two policies that disagree with one another? The
16 fact that the current P3P vocabulary may be inadequate to
17 express all of the different elements of a privacy
18 policy, and that there might be liabilities associated
19 with that.

20 And second, the whole question of
21 implementation. How do you actually do that in practice,
22 and what if an implementer doesn't convey your privacy
23 policy perfectly, are you liable for that?

24 And then the last is control. As was raised, I
25 think, by Lorrie earlier, a user agent might portray a

1 privacy policy in a different way than the owner of the
2 website would want it to be. And so there is a sense of
3 loss of control.

4 Counterbalancing those costs, I think, are two
5 big incentives. One, websites don't want to be broken
6 when you look at them with Netscape or Internet Explorer,
7 or one of the other browsers. They want to work.

8 Second, P3P is really critical for building
9 user trust, by enabling users to more easily understand
10 the privacy policies of the website. And so I think both
11 of those are important things for folks that want to
12 adopt P3P.

13 MS. LEVIN: Perfect summary. Brooks, how about
14 adding your perspective on the usability and incentives
15 and obstacles?

16 MR. DOBBS: Yes. I would just like to follow
17 up on the obstacles, and give a little bit of personal
18 experience of something I have seen.

19 I have an associate I used to work with, and we
20 do lunch about once a month, and we talk about what we
21 have been doing, and I mention P3P all the time -- it's
22 probably one of my favorite lunch topics.

23 So, I thought I had driven this point home to
24 this friend. And he builds systems for several websites,
25 and they connect data to each other through a cookie.

1 Nothing nefarious, it's all clients of theirs, but they
2 need to track use across these different websites.

3 So, he calls me the other day and says -- this
4 is a while ago -- and says, "About 24 percent of my data
5 seems wrong." Then a little bit later, he says, "About
6 36 percent of my data seems wrong." And it took the
7 second time for me to realize that, those are the
8 adoption rates of IE6. "What you have done is not listen
9 to me at lunch for the past year-and-a-half, and you
10 haven't done any type of P3P implementation to make your
11 cookie work across these sites."

12 And then what happens is -- he's a
13 technologist, very techno-geek -- and he says, "Where can
14 I get a P3P policy?" I'm, like, "Well, your P3P policy,"
15 as Lorrie said, "is a representation of your site's
16 privacy policy."

17 Then you start to get this merging of the
18 technical folks, the legal folks, and the production
19 folks. And I don't know how many of you have worked in a
20 web production environment, but those folks don't get
21 together in rooms all the time.

22 And that's one of the real problems with P3P
23 adoption, is that you have really got to get these
24 departments talking to each other to do something that
25 can, in many cases, be very, very simple. But it's very

1 hard to get that initial dialogue to begin and then,
2 after the initial dialogue has begun, for everyone to
3 feel comfortable with its output.

4 The legal folks, of course, are very risk
5 averse, and they have never seen this before, and they
6 have no experience with it, and it worries them some
7 because we haven't seen anything come down on P3P. P3P,
8 in the way that it's evaluated most of the time, is just
9 talking about compact policies, which deal in a very
10 small set of tokens -- about 53 tokens.

11 So, in many ways -- and I'm over-simplifying
12 here -- you've been asked to reduce your privacy policy
13 to 53 tokens. Well, I'm sure we have all seen lawyers
14 drafting privacy policies. I mean, they labor over the
15 wording. So if you tell them, "You're kind of limited to
16 53 words, and by the way, we have enumerated the
17 definitions of those words pretty clearly," they get a
18 little bit leery of it. And I think that's been a real
19 problem for adoption.

20 But maybe switching to focus on what I think
21 the great parts about adoption are, is that,
22 increasingly, the web, and what we see as a web page, is
23 more an ingredients list than it is a single entity. I
24 was in a major news site the other day -- and one of the
25 great things we didn't mention about PETS is one of their

1 goals may not just be to simplify things for end users,
2 but for them to understand that something very complex is
3 happening, and then they can make decisions as to
4 whether, as Marty was saying, whether they want to invest
5 a bunch of time learning about those things, or maybe
6 just trust in the technology.

7 But as I was saying, web pages are becoming
8 very complicated, and we're seeing specialization. You
9 know, he who provides weather the best is providing the
10 weather map. He who provides ad serving the best might
11 be providing the ad serving. And so we have these pages
12 that are very, very complex and dynamic, and may not even
13 be the same entities collecting information every time
14 you reload the exact same page.

15 So it's very difficult in a stagnate privacy
16 policy to address that. And it's very difficult for the
17 folks who are in a third party context to make statements
18 about what it is they do.

19 And that's one of the great pieces about P3P,
20 is that it takes this simple -- this web page -- expands
21 it out to the complex, to all the different entities
22 collecting data, forces those entities to -- painfully,
23 perhaps -- make some statements in some machine-readable
24 formats, and then brings it all back together again by
25 allowing the user to set some baselines, or perhaps

1 accept the baselines that are in the user agent, and
2 allow some meaningful decisions to be rendered when it
3 would be potentially impossible for an end user to go in
4 and examine all the different data collection and data
5 transfer that's happening as a result of visiting a
6 single entity. And I think that's a very positive
7 application of P3P.

8 MS. LEVIN: Before we launch into a discussion
9 about the legal implications -- and Danny, I will come
10 back to you, and Marty, for that -- Stephanie, I see you
11 have a point you wanted to make.

12 MS. PERRIN: One of the things I skipped over
13 in my slides was a basic comparison of this whole issue
14 of information in the economy and in the infrastructure
15 as being very similar to the environmental problem.

16 We knew after Rachel Carson that we might be
17 having some problems with pesticides. Nobody can track
18 the stuff through the system. And we had organic
19 products on the market in the 1960s -- me, being old, I
20 remember that -- nobody bought them.

21 And we have a similar phenomenon, I think, with
22 privacy, in that if you wake up and discover you're not
23 getting screened into jobs, you may start to wonder if
24 maybe those postings to anarchist.com are coming back to
25 haunt you. But if you don't understand how the system

1 works, it takes you a long time to reach that conclusion,
2 right?

3 And it's the same thing with the environment
4 and pesticides, and heavy metals, and all the rest of it.
5 If you wake up at 55 with colon cancer, you start
6 wondering about all the chicken and beef you have eaten
7 over the last 30, 40, 50 years. And it's too late then.

8 So, how do you get consumers to understand to
9 make those choices? And I don't want to sit around for
10 the next 50 years watching people gradually figure out
11 that maybe they should be making better information
12 choices. So how do you impel them to do that? Let's
13 talk in the context of P3P.

14 And my second point, I guess -- and I don't
15 mean to criticize, because I think P3P is a major tour de
16 force, in terms of its technological application -- the
17 problem I see is that it is web focused. And I wonder
18 how many organizations are looking deep into their
19 systems.

20 I don't care how the web actually collects
21 data. If I'm smart, I'm using an anonymizer anyway, and
22 I don't see why we can't make anonymous browsing a basic
23 fundamental with freedom of association and free speech.
24 I don't see that there is a real driver to collect
25 personal data on web browsing.

1 But who is going to audit, to see whether, in
2 fact, these web policies are being implemented? Who is
3 going to audit to make sure that the actual policy -- if
4 I go to my bank's website, does their policy that gets
5 read by the P3P engine reflect what they are actually
6 doing? For instance, under the banking laws in Canada,
7 with the Financial Crimes Reporting Act, I am ready to
8 bet it isn't. And that's -- how do we get from the
9 superficial analysis to that deep analysis that we really
10 need to implement privacy?

11 MS. LEVIN: Before we get to the audit
12 question, let's start off with, first, looking at the
13 legal liability issues. Marty, launch us there, and
14 then, Danny, I know you want to fill in.

15 MR. ABRAMS: Okay. Just a disclosure. I run a
16 project center that is focused on the whole question of
17 transparency, and how we do notices. It's a highlights
18 notice project. This is what a HIPAA notice looks like
19 when it's in the highlight version, versus the eight
20 pages you see when you go to the doctor.

21 When you think about notices, you need to think
22 in terms of a package, a layering of notices, and that
23 there are really three parts. One is the complete, long
24 privacy notice of an organization, which is what you base
25 the P3P notice on. And so you take that notice, you look

1 for the closest approximation within the tokens to create
2 your P3P policy, which is very detailed, but is still
3 based on a close approximation of what was in that longer
4 notice.

5 And then, when you go to the user agent, the
6 user agent is taking those tokens that are based on an
7 approximation, and then taking another approximation
8 based on the retranslation into English so that it can be
9 in a standard form. We have already heard that with the
10 three user agents that are commonly used today, that you
11 get a different translation in each of those.

12 So, you are getting further and further away
13 from this complete privacy policy down to this user agent
14 translation. And as Lorrie would say, there is a real
15 possibility for other user agents to appear with a point
16 of view which would then translate in a fashion that
17 takes you even further away from that original privacy
18 policy.

19 And part of the legal issue here is the
20 liability related to the question of what is the
21 relationship between these different policies, and do I
22 feel comfortable with my liability, based on the
23 translation of a user agent that I had no control over?

24 So that one of the things that we need to do is
25 really investigate the relationship between these

1 different types of policies; and the real test there, I
2 believe, is consistency. And in meeting with state
3 attorney generals, and with the Federal Trade Commission,
4 we have stressed the importance of having a discussion
5 about how you measure the consistency between notices.

6 The other piece of that goes to where do
7 corporations who are implementing P3P, where do they feel
8 comfortable with this final translation of the P3P notice
9 to the consumer?

10 And the reality is that while they believe P3P
11 -- and that's mostly the companies working in our
12 project, and I'm not speaking for any of them
13 individually -- but they feel more comfortable in having
14 something like a highlights notice that is a snapshot of
15 what they do with information, and would rather see a
16 system where the P3P notice highlights, first, what is
17 the disconnect between your preferences and what the
18 company does with information, but then drives you to the
19 highlights notice that then drives you to the complete
20 notice.

21 And so, there is a legal issue and then there
22 is a communications issue, and it really rests around the
23 fact that you have different notices that have to be
24 consistent with each other, that have to be based on the
25 actual behavior of an organization, but that there are

1 issues related to them, and we need to, before we truly
2 have an implementation of transparency systems that work,
3 we need to work out these liability issues.

4 MS. LEVIN: Maybe before Danny starts, Marty,
5 walk us through, then, what's the sequence, in terms of
6 notices, that consumers would interact with, then, in
7 your scenario?

8 MR. ABRAMS: Okay. Well, in an offline basis,
9 P3P doesn't really do much in the offline world -- but in
10 the online world where there is a P3P notice, where we
11 have broad adoption, where we have browsers that are
12 actually looking for the P3P notice. The consumer would
13 first interact with the P3P notice and, if everything is
14 fine and dandy, they go off and do their work, if not,
15 they click. And then their user agent would translate
16 the notice into a series of statements.

17 And then, if they are still interested, they
18 can click on the privacy policy, and if the organization
19 is an organization that has done a highlights notice,
20 then you have the highlights notice, which really gives a
21 snapshot of what the organization does with information.
22 If they don't have a highlights notice, they go to the
23 long, complete notice that is really written by lawyers
24 to limit liability, rather than to facilitate
25 communication.

1 MS. LEVIN: Okay. That was very helpful.

2 Danny, can you comment on --

3 MR. WEITZNER: All that?

4 MS. LEVIN: From your perspective?

5 (Laughter.)

6 MS. LEVIN: All that, and more.

7 MR. WEITZNER: So I want to actually tell one
8 very quick story from the development of P3P by way of
9 comment. Lorrie and Ari Schwartz, who I think I can
10 confirm are certainly parents superior of P3P, did -- you
11 know, we spent, in the process, a huge amount of time --
12 years and years of people time, and Brooks sweated
13 through this, as well -- trying to work out these
14 questions of what the vocabulary was going to be, what
15 were these terms going to be about, and I just want to
16 tell one very quick story.

17 There were some in the P3P working group who
18 wanted to be able to use the term "may" in the P3P
19 grammar. P3P is really just a sentence structure. It
20 says, "The site collects information" for this purpose,
21 or that purpose, and gives it to other entities. And
22 Lorrie's slides lay out the grammar more carefully than
23 that.

24 Some people wanted to say, "The site may
25 collect information," either that it does collect certain

1 information, it does not collect information, or it may
2 collect information. And of course, those of you who
3 spend a lot of time looking at human-readable privacy
4 policies know that the word "may" is all over the
5 policies.

6 And the technically-oriented people in the
7 group said, "Well, what does 'may' mean? How do you
8 compute 'may'?" And ultimately, what was decided was
9 that 'may' isn't really a computable term, that either
10 you do collect information or you don't collect
11 information. And that there would be no way for
12 consumers to make intelligent choices about a policy that
13 said, "We might do it," because you have to assume -- you
14 have to either be cautious or incautious.

15 And that's really just to say that, in some
16 sense -- I appreciate Stephanie's compliment of P3P as a
17 technical tour de force, and I think that that's true in
18 many ways. I actually think P3P is really more a kind of
19 cultural phenomenon for institutions than a technical
20 one.

21 Clearly, there are technical issues that are
22 hard that you have to work out. But all the issues that
23 Brooks described about actually having to bring together
24 -- I'm looking at Mel Peterson, from Procter & Gamble,
25 who I know has gone through this more than almost anyone

1 -- what P3P has actually done is force those three groups
2 that Brooks identified -- the technical people, the web
3 production people, and the legal people -- to get
4 together and come up with a consistent statement about
5 what their site actually does.

6 Now, I think there is a lot of work to be done
7 -- to Stephanie's point -- there is a lot of back-end
8 work to be done about what happens when that information
9 gets past the web barrier to a company's database, do
10 they still follow through, and there is interesting work
11 being done in that area.

12 But this is really to say that what P3P has
13 precipitated in so many organizations is the need to be
14 consistent about what's being said.

15 Now, clearly, there is worry from some lawyers
16 -- and as a lawyer, I can say lawyers often get paid to
17 worry for other people -- lawyers do worry that it may
18 not be possible to express a site's privacy policy as
19 clearly in P3P language as it is in human language.

20 I can say -- and Lorrie can attest to this --
21 that we spent the better part of the last three years
22 looking for instances of inconsistency, looking for a
23 privacy policy that could not be adequately expressed in
24 P3P. What we do know is that there are realms, such as
25 the mobile web realm, that raises issues such as location

1 information that have not adequately been described,
2 perhaps, in the P3P vocabulary. But as far as we can
3 tell, no one has come forward with a privacy policy from
4 their website and says, "I can't translate it." No one.
5 And we have asked over and over again.

6 We want to know, actually. The vocabulary we
7 view as an evolving process. But I think we should be
8 really clear that there are some people who may worry
9 that they can't put in enough caveats to provide
10 protection, that they can't say, "We might do something,"
11 or, "We could something," or, "It may" -- or something
12 bad "may" happen, but I think that those people that have
13 actually gone through this process of translating
14 policies have not yet stumbled upon the clear privacy
15 practice that they can't express.

16 So, that comes to the legal point that I think
17 you want to raise about liability. We had a workshop at
18 the end of last year in November out at AOL to look at
19 experience from -- really, from a technical perspective,
20 mostly, in implementing P3P. Many of you were at that
21 workshop.

22 And we actually got together a panel of current
23 and former regulators at the federal and the state level
24 in the U.S., Canadian regulators, European regulators,
25 and we asked them all the question, "Are P3P policies

1 binding on the sites that put them up, as representations
2 that consumers may reasonably rely on?" I'm not stating
3 the FTC standard well, but the universal answer from all
4 these regulators was, "Of course they are."

5 If a site intends to communicate something to a
6 user, to a customer, about what their privacy practice
7 is, that is every bit as binding on the site as when they
8 state the policy in human terms.

9 The problem that has been pointed out over and
10 over and over again is what happens if those
11 representations are inconsistent, if the human readable
12 policy says one thing, and the P3P policy says another
13 thing? Lorrie has also pointed out there may be problems
14 that the user agent may render the policy inconsistently.

15 I think these are all issues we have to sort
16 out, but I think that they're not necessarily as badly
17 sorted out as we might think, or as some people worry
18 about. I think what is really pretty clear is that the
19 vast majority of privacy practices can be expressed in
20 P3P. And when they are expressed, they are equivalent to
21 expressing them in a human-readable policy.

22 And we should start there as a baseline. Where
23 we find problems and gaps with that, we should deal with
24 them. But I think we should move off of the kind of
25 generalized worry about this, because frankly, it's been

1 tested in specifics and not found to be as much of a
2 worry as some might think. Where we have specific
3 problems, we should look at them carefully.

4 MS. LEVIN: Now, Lorrie mentioned a working
5 group. What's the time frame for dealing with the issue
6 of inconsistencies of vocabulary?

7 (Laughter.)

8 MS. LEVIN: Everyone is chuckling. Okay,
9 Lorrie?

10 MS. CRANOR: Well, you know, these consortium
11 working groups are kind of like herding cats. So, we
12 shall see. But our goal is to, within -- I think we said
13 16 months, and we started the process this spring -- have
14 a complete set of guidelines out.

15 MS. LEVIN: Marty?

16 MR. ABRAMS: Again, I think there is general
17 agreement that transparency is incredibly important, that
18 we have to make transparency work, and that there are
19 multiple elements in making transparency work. And I
20 think that there is general agreement that some of these
21 things are well underway, and will be used.

22 For example, we're beyond saying P3P is a good
23 thing or a bad thing. It is something that is being
24 implemented, and will be implemented more broadly. I
25 think what's important for the record is to make it clear

1 that there are some issues that do need to be vetted
2 around this whole question of consistency -- completeness
3 -- what happens when there is an agent that the
4 organization doesn't control that renders it different in
5 a fashion that someone thinks is significant. And who is
6 the person who determines what is significant?

7 So, I think there is a general agreement that
8 these things need to be worked out, they need to be
9 vetted. It just needs to be on the record that the
10 relationship between transparency agents needs to be
11 talked through and vetted and worked through before we
12 get too far down the road.

13 MS. LEVIN: Okay. Does anyone else wants to
14 comment on the legal liability issue?

15 (No response.)

16 MS. LEVIN: Well, it strikes me that we have
17 come to a very good point, which is we have now gone from
18 describing a host of types of technologies to P3P
19 deployment, and we even have a timetable here -- 16
20 months -- to resolve all the critical issues.

21 I don't know how many of you know, but the
22 first demonstration that I am aware of, public
23 demonstration of P3P, was here at the FTC back in 1996.

24 MS. CRANOR: 1997 was the demonstration, it was
25 first talked about in 1996.

1 MS. LEVIN: So the FTC has really been, I
2 think, very interested in monitoring the progress of P3P,
3 and we appreciate getting the update today. We have a
4 few minutes for questions. If any of you have a question
5 head to the mic right in the middle of the room.

6 If you will line up, we will try and -- we have
7 about 10 minutes, actually, a little bit longer than we
8 had originally thought, because everyone on this panel
9 was so articulate and concise, we got through quite a
10 lot.

11 Okay, Mark, I think you may have to turn a
12 button on.

13 PARTICIPANT: There you are.

14 MR. LE MAITRE: Passed the test, I think.

15 MS. LEVIN: Okay, very good.

16 MR. LE MAITRE: I just wanted to comment on
17 something that Alan said. He gave three drivers. I
18 would like to add another three to the adoption of
19 privacy.

20 MS. LEVIN: Okay. And if you don't mind giving
21 us your name, just for the record, so that --

22 MR. LE MAITRE: I'm sorry, Mark Le Maitre.
23 Education, education, and education. And let me give an
24 illustration.

25 I arrived home about a month ago to find my

1 wife had purchased a shredder. This was out of character
2 for her, so I asked her why. She said that she had seen
3 an advertisement on television -- and maybe some of you
4 have seen it -- where a man drives into his driveway to
5 find his next door neighbor rifling through his trash,
6 taking away his credit card receipts. And my wife was
7 impacted upon this to go out and buy a shredder to
8 protect our identity from theft.

9 What I am seeing at this moment in time is an
10 emphasis on the technologies. I am, unashamedly, a
11 technologist, but I also feel for what Marty was saying
12 about getting the education required to actually practice
13 safe information.

14 If I had a dollar for every time I had to go
15 around and configure somebody's PC in my neighborhood --
16 and Marty, if you're up for it, I'll happily help you
17 myself; very presumptuous, I realize -- but the tools
18 have to be easier to use. But I think before people will
19 start to try and use them, and really start to give
20 feedback, they need to be educated as to what to expect.

21 MS. LEVIN: I am happy to say that a lot of
22 today's discussion, particularly in the afternoon, but
23 even beginning with the second panel, will focus on
24 education. And I am glad we need to emphasize it three
25 times, and again three times. We agree, and we will be

1 looking more and more at that issue throughout the day.

2 MR. ABRAMS: Toby, could I say something about
3 consumer education? Susan Grant is here, and Susan
4 remembers the good old days when organizations,
5 leadership organizations, spent a great deal of money on
6 consumer education, that there was a lot of money for
7 consumer education at agencies like the Federal Trade
8 Commission, the Federal Reserve banks.

9 And we actually, in the 1980s, spent, I
10 believe, a lot more on consumer education for both
11 children and adults than we spend today. And I think
12 that the need for being responsive when we reach that
13 teachable moment is greater than it ever has been. Yet,
14 our national expenditures in this area has actually gone
15 down.

16 MR. LE MAITRE: Let me just say one final
17 thing, that I think that the real problem of a lack of
18 education will be the adoption of such things as the
19 National Do Not Call Register, which I know, Toby, you
20 and I talked about, which is -- if that's the dominant
21 form of preventing this, it's simply to say, "Shut it all
22 off," I think that business and consumers will both lose.

23 I think that -- certainly since I came here
24 five years ago to the U.S. without an identity of any
25 sort, no social security number, no credit history, I

1 wasn't on anybody's mailing list, so I have seen a death
2 by 1,000 cuts. And I think that it needs to be repaired
3 over time. That is, education is a progressive thing.

4 I fear that if we simply jump to the other
5 extreme, and simply shut off through a National Do Not
6 Call or Do Not Spam registry, that everybody loses out.

7 MS. LEVIN: Alan, do you want to comment, and
8 then we will take the next question?

9 MR. DAVIDSON: Well, education is clearly
10 extremely important, and going to become even more
11 important when you look at this next generation -- of
12 tools, looking at trusted computing architectures,
13 digital rights management. It's going to become a very
14 complicated space for consumers to try to understand. I
15 think it's going to be very important.

16 And I didn't mean also for my holy trinity to
17 detract from the importance and elegance of good tools.
18 That is absolutely true. I have been struck as we have
19 had this conversation about some of the collateral
20 benefits that come from the tools.

21 There are these direct benefits, but this
22 cultural impact that Danny and Brooks talked about, and
23 also the symbolic importance of things like P3P, had a
24 crystallizing effect on people's thinking about building
25 privacy into the architecture and into the products. And

1 that, I think, are major benefits.

2 MS. LEVIN: Okay. Next question?

3 MS. CASMEY: Kristen Casmey, McGraw Hill. My
4 question is about consumers. How many consumers are
5 currently using P3P? Is that something that has been
6 researched? Because I think that as consumers begin
7 using this, it's going to push companies to implement P3P
8 into their websites.

9 MS. LEVIN: Okay. Lorrie, do you have some
10 data on that?

11 MS. CRANOR: It's hard to know. We know that
12 there are an awful lot of consumers that have web
13 browsers that have P3P built in. But we don't know how
14 many of them actually look at it.

15 And in anecdotal evidence, from going and
16 giving talks about it, and saying, "How many of you knew
17 you could get a privacy report in 1996," is that very few
18 of them are using those features.

19 As far as Privacy Bird, where consumers
20 actually have to go and download it, last time I checked
21 I think there about 35,000 people had found their way to
22 the site and downloaded it. So, the numbers of consumers
23 are fairly small at this point, but there hasn't been a
24 whole lot of outreach to consumers, letting them know
25 that these things are there.

1 MS. LEVIN: If there is any funding out there
2 for Lorrie to take her show on the road to talk about
3 Privacy Bird, I am sure she would be willing to accept
4 the funding. Thank you for your question. Yes, Brian?

5 MR. TRETICK: Yes. Still going back to
6 Internet Explorer 6.0, primarily, if you look at the
7 market share of that product, it's got a P3P cookie
8 manager built in, enabled, and it works without you even
9 having to know about it, and makes some automated
10 decisions at the default level.

11 So, I would say, 40 percent of the browser
12 market in the U.S., 40 million people may be using P3P
13 today and not know it.

14 MR. WEITZNER: Right. And clearly, most people
15 never will or should have to know they are using P3P. I
16 think Lorrie's point is more to the point. How many
17 people actually use the privacy report function?

18 I think those are really product marketing
19 issues that product developers are going to have to work
20 out -- what are the features that actually work for
21 people, and how do you build on that?

22 But we made a decision very early on, after
23 trying to raise consumer awareness about the term P3P, we
24 said, "This is not the marketing strategy," and a number
25 of members pointed this out to us. They had more of a

1 clue than we did, that this is a piece of infrastructure
2 that's like asking how many people use SSL. The answer
3 is a lot, but if you ask them, they can't tell you.

4 MS. LEVIN: Can't tell you, yes.

5 MS. CRANOR: We actually found in our Privacy
6 Bird user study that about a third of our users had never
7 heard of P3P, yet they were using Privacy Bird. And I
8 view that as actually a good thing.

9 MS. LEVIN: Okay, good. Yes, Fran?

10 MS. MAIER: Hi, this is Fran Maier, executive
11 director of TRUSTe, and just a couple of comments. We're
12 very excited about P3P. I have been working also with a
13 short notice group. But what we have, on one hand, is
14 P3P, which is something that isn't quite human readable,
15 we have short notice, which isn't quite computer
16 readable. We have to get these things to be more
17 consistent. It is really hard for us.

18 At TRUSTe, we certify over 1,000 sites. We
19 ask, it's part of our requirements, that there is
20 consistency between any sort of highlights or short
21 notice, P3P and the privacy statement. And it isn't that
22 easy.

23 And we do have experience with bringing the
24 technology, the production people, the legal people, the
25 marketing people all together in a room. Because again,

1 at TRUSTE that has to happen. And it is still hard.

2 So, I would just like to urge you all to --
3 let's all move together quickly to make these things all
4 work together.

5 MS. LEVIN: Okay, thank you. Joe?

6 MR. TUROW: Hi. Joe Turow, University of
7 Pennsylvania. I just had a question about consumer
8 feedback to things like P3P. Is there any facility for a
9 consumer to be able to say, "Well, I like this part of
10 the privacy policy, but the business about third-party
11 pieces on a particular part of the web page is something
12 I don't like, and so I'm not going to come back here
13 until you fix that."

14 Is there any attempt to really get feedback
15 about what's going to work for most people, or is it just
16 a binary yes/no when you're dealing with a site?

17 MS. CRANOR: Right now, it's a binary yes/no.
18 There has been a lot of discussion about having a
19 feedback mechanism or negotiation, but that's not in P3P
20 at this point.

21 MR. DOBBS: And again, you should also realize
22 that a site is not one entity. There can be marginal
23 acceptance. You can accept asset A and not asset B. So
24 the whole site is not viewed holistically. I mean, all
25 the assets that gather information on the site can be

1 evaluated individually, and preferences applied to the
2 behavior of each.

3 MR. WEITZNER: Just to underscore the point,
4 there has been lots of discussion in the P3P context, and
5 in the context of other technologies, about how to do
6 some sort of negotiation, some sort of feedback
7 mechanism.

8 I think Brooks pointed to what there is in P3P
9 now, which is a tacit negotiation at sites. For example,
10 Brooks's friend will find that certain cookies are
11 blocked because they don't match the user's privacy
12 preferences. I don't know where the gentleman is who
13 asked -- oh, there you are.

14 So, that's not the sort of explicit bargaining
15 type of negotiation that we would think about, but it
16 actually has its effects. And I think in the early
17 implementation of P3P, certainly what we saw, frankly,
18 was lots of sites adjusting their privacy policies so
19 that they would meet the IE6 default level. That was a
20 certain kind of negotiation.

21 Your question was who was negotiating with
22 whom, but there was a feedback mechanism there. I think
23 in some of the Liberty Alliance technologies, there is an
24 effort to take that negotiation one step further with a
25 more explicit feedback mechanism.

1 But it's a very hard technical problem, because
2 of the problem of modeling and actual negotiation that
3 happens between individuals, or an individual and a
4 business. It is a hard type of interaction to model,
5 technically.

6 MS. LEVIN: Okay, thank you. I think we have
7 time, if your question is really brief. I am going to
8 cut off a couple of minutes into the break for the
9 questions, because I think they are important. If you
10 want to take one more?

11 MR. GRATCHNER: Hi. My name is Rob Gratchner,
12 from Intel Corporation. I just wanted to touch on
13 something real quickly that you talked about with
14 wireless and P3P.

15 Does P3P work with wireless technology now, and
16 if not, what is the implementation of using P3P with
17 wireless technology that's out there now, and the new
18 technologies that are coming up in the future?

19 MS. CRANOR: P3P can work with wireless
20 technology. I do not know of a commercially available
21 user agent for a wireless device. I know of some
22 prototypes that have been built in the laboratory. It
23 certainly can work in that context.

24 There are some extra things that people
25 suggested they might want to do in a wireless

1 environment, and P3P can be extended to do that, but that
2 hasn't been standardized at this point.

3 MS. LEVIN: Thank you. We are going to give
4 Stephanie, who kicked off the panel, the last opportunity
5 to talk.

6 MS. PERRIN: I actually have a question, and
7 you may not want to, when you hear my question. I want
8 to ask, has anybody done a cost benefit analysis of P3P,
9 and how much this has all cost, in terms of development
10 and implementation?

11 And the reason I ask that -- and I have to
12 declare I spent 10 years of my life working on the
13 framework for, and the drafting of the Canadian baseline
14 privacy legislation -- and I will let you in on a secret.
15 The reason we legislated is it's cheaper.

16 And I think if you compare the huge amount of
17 effort -- because basically, these processes are the
18 reverse of each other -- P3P has been one of the lead
19 instigators in getting companies to develop policies.
20 They did it so that they could have their website policy.

21 That means they suddenly discover they have to
22 have policies throughout their organization. Their
23 lawyers have to wake up and figure, in fact, are they
24 doing what they're saying in their policies? So, you
25 have that sort of -- it's a pyramidal flow of activity

1 and expense.

2 And in Canada, we very quietly worked on a
3 standard, legislated the standard, then, in fact, you
4 need the same web interface. But it's all exactly
5 backwards. Which is cheaper, I have to ask you, because
6 you still have time to draft legislation. I will come up
7 here and do it really cheap for you.

8 MS. LEVIN: I am going to end this simply by
9 saying that is a million -- or, I don't know how many
10 million -- dollar question. You have said it at the
11 right place, the Federal Trade Commission. And if any of
12 you would like to file comments with your cost benefit
13 analysis included, of P3P or any technology, please file
14 them by June 20th. Great question.

15 We will have a 10-minute break. At quarter of,
16 be back in your chairs, ready to go for the next program.

17 (Applause.)

18 (A brief recess was taken.)

19