Internet of Things Interim Dynamic Coalition - Report 2014

A side event was scheduled at EuroDIG in Berlin for the Internet of Things Dynamic Coalition. The session was divided into two parts:

I. A flash session to introduce new participants to the topics under discussion

Presenters: Maarten Botterman, Avri Doria,

Synopsis:

Today, we are at a point where the Internet of Things (IoT) is widely recognized to as "inevitable" and developing with increased speed – though in a fragmented way and with limited accountability. Smart environments are going to be the next big thing, in fact it has started already. Smart meters, smart cars, smart TV and all the little additional things we can do with our smart phone by using smart apps. The technology is long used by other industries already, like the logistic industry or wholesale and retail. But still we know so little about the ethical and privacy implications this development will have on our daily life. We also do not have established policies relating to accountability and transparency with which the processes   for storing and using the data collected in IoT will be treated.

IoT holds a lot of promise. In order to ensure we get the best out of this, the debate needs to take place at all levels of society, so we can avoid unnecessary set-backs due to big disappointments resulting from IoT applications that have not considered multistakeholder aspects. This session is going to highlight the main areas where we need to think ahead to prevent from ending up in dead allys.

II Meeting of the Dynamic Coalition

During this session we invited all to contribute to the debate on progressing IoT at a global level, building on the results of the meeting of the Dynamic Coalition on IoT (further: DC IoT) during the IGF in Bali, November 2013, and in preparation of the DC IoT meeting during the IGF that will take place in Istanbul, September 2014.

Following the main introduction during the flash session, this session focused on the following aspects that are specifically important to the IoT domain:

1. Need for (and how to ensure) balanced global multistakeholder governance;

2. Big data: what can be expected from data storage, privacy and data protection in IoT environments;

3. Security in IoT applications: what taxonomy to determine needed levels of security, and how to ensure proper security application;

4. Ethics: how to take ethics into account in global development of IoT applications, in the full understanding that ethical standards are not in all aspects the same around the world, and change over time

5. Spectrum: how to avoid getting into trouble with spectrum 20 years from now.

The [Draft Reference Document](#) was discussed

The meeting was a step toward the IGF2014 meeting. The group has progressed beyond the point where we think of IoT as a separate infrastructure issue and are working on understanding and documenting social and rights aspects of the 'application' and user changes that the IoT brings. We have a start on a paper [<https://docs.google.com/.../1wr2YiXbTErbowiFvmUHD.../edit...>](https://docs.google.com/.../1wr2YiXbTErbowiFvmUHD.../edit...) that various members are going to add to and which other members can comment on. A snapshot of this paper will be submitted to the IGF, but work will continue on this paper through the meeting in Istanbul.

Our goal for this year to finish up this paper and then pick one of more areas where we will attempt to describe the various advantages and disadvantages in regard to various level of regulation ranging from self-regulation to strong state regulation.

It was pointed out by Rolf Weber during the meeting that we had missed the work being done on legal analysis of the issues. Rolf agreed to help us add this aspect to the paper.

The importance of emerging markets and other economic drivers for the developmental aspects of IoT was offered by was also discussed by Hosein Badran. He agreed to help the IOT-DC by adding some content on this aspect to the paper.

Another thing we decided to do was take our currently unused website and start collecting some of the relevant work done by the EU and others the years in support of the DC's work. This site and work is being supported by Rainer Rodewald.

We also briefly discussed work being done in protocols at the IETF to support IoT. As part of the information collection process for the Web site, Avri to research this further and add content.

In terms of longer term goals, we discussed beginning to collect case studies that we could look at to start defining the continuum from self regulation to governmental regulation, defining the positive and negative tradeoff at varies point along that continuum. Initial discussion of case studies will begine at IGF2014.

The group seems to have a good degree of interest in making the DC actually become dynamic, in that it will do some work. Time will tell whether that is just a chair's optimism.

Actions from the meeting

- Bring the web site back to life.
- Collect existing material into a central repository
- Pick up resource from the past EU efforts in IoT and collect them on the Web site.
- Look at new interest in the US, and the continuing interest in East Asia/Japan for resources
- check IETF and IRTF for current protocol work being done and add references to the website
- Start collecting case studies
- Continue working on Dynamic Coalition paper

Additionally a session has been scheduled to continue the discussions at the USF-IGF on July 16, 2014. The output of this session will be added to this report after that meeting.

Contact:

IOT-DC email list. <dc-iot at n4c.eu>
Chair: avri at acm.org
Secretariat: info at hoferichter.eu