

If you support the statements in this document, please consider adding your name to the list of signatories.

Statement of the Open Internet of Things Assembly at London, United Kingdom on the 17th June, 2012

Invitation to participate (<http://bit.ly/openiot>)

We, the undersigned, believe that the class of technologies currently described as the “Internet of Things” has genuine potential to deliver value, meaning, insight, and fun as well as a totalitarian control society. Its definition, however, is not self-explanatory, nor do we believe these benefits are by any means guaranteed. There are areas that need to be explored, understood and considered carefully in order to secure the potential we see

Our concerns include, but are not limited to, the following:

- Note: Words rendered in **bold** in the following require definition in natural, nontechnical language.

Licensing provisions

- **Licensors** may explicitly grant rights to third parties (**licensees**) to use their data.
- **Data ownership** should remain with the Licensor.
- **Data feeds** should have human- and machine-readable licenses attached to them.
[“Bits should know their rights.”]
- We consider data captured by devices compliant with these guidelines to be analogous to any other Digital Commons data. The existing Creative Commons language provides a useful basis for engagement, for example: “Every license helps creators — we call them licensors if they use our tools — retain copyright while allowing others to copy, distribute, and make some uses of their work — at least non-commercially.”
- Individuals (who may not be the Licensors) must be granted license to any machine-generated data that is created, collected or otherwise generated that relates to them.
- Individuals (who may not be the Licensors) should have the right to remain anonymous, retain the ability to license data on an anonymous basis, and be offered the

ability to license data at whatever available granularity or resolution (e.g. temporal or spatial) is most suited to their purposes.

Goal: Accessibility of data

Data should be released in at least one format, protocol, and **API** with the following characteristics:

- free, public **documentation**
- **royalty**-free to use, indefinitely
- open source **parsers/libraries** available

In order to qualify for certification of compliance with these principles, the format, protocol or API in question should feature a minimum of two independent **reference implementations**

Goal: Timeliness of access

Data should be released:

- without imposed delay, based on the accessibility principle above;
- at the **resolution** at which it has been acquired;
- to the **data subject** for as long as the provider hosts the data and for at least a pre-agreed duration of time

Goal: Preservation of privacy

Data subjects should have the rights:

- to know what data is being collected about them, by whom, and for what stated purpose;
- to consent to that collection;
- and to take such measures as are necessary to prevent the collection attempt if they do not consent to it.

Reasonable efforts should be made to protect confidentiality and privacy of the data subject.

Goal: Transparency of process

Data controllers should inform data subjects that deleting all copies of data may be technically unfeasible once published.

Where data is collected from **public space**, data subjects and stakeholders should have a role in decision-making and governance.

Call to action

We invite you — whether in a personal or a professional capacity, or both — to help shape the agenda for an Open Internet of Things. We encourage you to provide insights and stimulate debate in this process, and to contribute to the development of a final community statement of principles to be released on the 17th of September, 2012.

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The Open Assembly of The Internet of Things as it Happened Live:
http://www.scribblelive.com/Event/Open_IoT_Assembly?Page=0

<http://storify.com/PepeBorras/opent-iot-assembly>