



FY19 COMMUNITY REQUEST FORM

The deadline for FY19 Budget consideration is **31 January 2018**. All questions and completed forms should be sent to **planning@icann.org**.

REQUEST INFORMATION

Title of Proposed Activity

Internet-of-Things (IoT) and the Increasing Governance Challenge Ahead

Community Requestor Name

EURALO

Chair

Olivier MJ Crépin-Leblond

ICANN Staff Community Liaison

Heidi Ullrich

REQUEST DESCRIPTION

1. Activity: Please describe your proposed activity in detail

This is a request for support of a EURALO Workshop at the 2018 IGF.

The IoT evolution includes a broad range of industries, including the automotive, finance, consumer electronic devices, retail services, manufacturing, agriculture and other sectors important for sustainable development of the humanity. Central to the solutions and deployments of IoT is unified communication. The unified communication relies heavily on the All-IP-Based scheme for end-to-end delivery of IoT solutions.

All-IP-Based Deployment: what about the Internet architecture evolution? All things Internet rely on implementation and deployment as a set of unified protocols, numbering and addressing. What is the role of numbering and naming in IoT environment?

Workshop's themes:

- what is IoT, how to move the public perception from “smart coffee machine” to industry 4.0?
- evolution of IoT protocols and networks and impact on governance
- IoT (small and big) data parsing, building behaviour models and future risks to privacy of individuals
- cross border IoT (IIoT) data exchange and role of governments
- critical infrastructure: bikes vs. nuclear plants. How do we manage critical objects? Do we really want to connect everything to the Internet?
- IP-less communications: All-IP-Based is not a religion, but business approach. At what conditions is there no need to All-IP-Based devices?



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- proprietary protocols and war of standards. ISO vs RFC, history repeats or lessons learned?

2. Type of Activity: e.g. Outreach - Education/training - Travel support - Research/Study - Meetings - Other

EURALO IGF 2018 Workshop: At-Large Outreach and Engagement

3. Proposed Timeline/Schedule: e.g. one time activity, recurring activity

One time workshop but it is expected to be a recurring activity at regional and global meetings and/or activities, as the discussion about IoT is brought to ICANN.

REQUEST OBJECTIVES

1. Strategic Alignment. Which area of ICANN's Strategic Plan does this request support?

Internet Governance, Internet Architecture – DNS, Identifier, Security and IPv6, ICANN multistakeholder method to, Internet promotion and security.

- Internet Governance: This workshop will analyse emerging issues of Internet governance, as Internet of things emerging fully. The new scheme for people's online privacy, models and mechanisms for accessing individual's data. What role would GDPR play?
- Internet Architecture:
 - DNS - Proprietary IoT devices and DNS, interoperability and firmware update of the IoT devices.
 - Identifiers - IoT devices and the Internet identifiers
 - Security - The security of IoT is multi-dimensional; firmware - reliability of embedded software systems
 - IPv6 - IoT devices' architecture, adoption and deployment of IPv6
- ICANN multistakeholder approach to emerging Internet issues, technologies and standards

2. Demographics. What audience(s), in which geographies, does your request target?

The request targets At-Large wide, the ICANN organization, and its community members but also has a global footprint.

3. Deliverables. What are the desired outcomes of your proposed activity?

- a. Increasing the awareness of the emerging IoT service providers and adoption of IPv6.
- b. Introducing and instigating a new approach to tackling Internet governance emerging issues for multi-stakeholder community members.

4. Metrics. What measurements will you use to determine whether your activity achieves its desired outcomes?



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- Develop a work plan via registration of participants prior to attending the workshop - to include DNS, Security, Internet Identifiers
- Monitor the work plan, get information about number of participants and including their interests in ICANN community

RESOURCE PLANNING – INCREMENTAL TO ACCOMMODATE THIS REQUEST

Staff Support Needed (not including subject matter expertise):

Description	Timeline	Assumptions	Costs basis or parameters	Additional Comments
RALO Support staff				

Subject Matter Expert Support:

Experts will provide supports such as materials; previously researched papers on IoT applications.

Technology Support: (telephone, Adobe Connect, web streaming, etc.)

N/A

Language Services Support:

N/A

Other:

N/A

Travel Support:



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Leadership/speaker - Olivier MJ Crepin-Leblond, speakers - Wale Bakare and Andrei Kolesnikov, Bastiaan Gosling

The fund requests travel support for \$10,000.

Potential/planned Sponsorship Contribution: