

FUTURE PROOF SMART CITIES WITH A COMMON SERVICE LAYER: A STANDARDS DRIVEN APPROACH

21st April 2017
C-DOT Campus, Mehrauli, New Delhi



The announcement of the Smart Cities mission mode project by the Government of India has generated a lot of interest. International Telecommunications Union (ITU) defines a smart city as "A smart sustainable city is an innovative city that uses information and communication technologies (ICTs) and other means to improve quality of life, efficiency of urban operation and services, and competitiveness, while ensuring that it meets the needs of present and future generations with respect to economic, social and environmental aspects".

ICT technology, and more specifically, Internet of Things (IoT) or Machine to Machine (M2M) communication are thus very important in realising the objective of making our cities smart.

A network of wireless sensors, a reliable public communication infrastructure and innovative applications working on big data and analytics will help us realise smart cities. Innovative local solutions will have to be found for local problems. This offers great opportunities to industry, including, MSMEs and startups. Adoption of standards will ensure that solution developers do not reinvent the wheel but devote their energies to the actual building of product and on innovations. Further, the interoperability will be another dividend of a standards based approach.

It is with this endeavour of creating awareness about telecom standards and promoting their wider adoption that ETSI, an internationally respected telecom Standards Development Organisation (SDO) established in 1988 and the Telecommunications Standards Development Society, India (TSDSI), the Indian telecom SDO, have joined hands to unroll a collaboration project on ICT Standardisation.

Under the EU funded project India-EU Cooperation on ICT-Related Standardisation, Policy and Legislation, ETSI and TSDSI in association with C-DOT, are organising a one day workshop on

"Future Proof Smart Cities with a Common Service Layer: a Standards Driven Approach" on 21st April 2017, 9 am to 5 pm, at C-DOT Campus in New Delhi.

C-DOT, founded in 1984 by the Government of India as India's telecom technology development centre, did pioneering work in bringing about a telecom revolution in the country and is known for its great contributions to rural telephony. The ambitious National Optical Fibre Network (NOFN) project relies heavily on broadband technologies developed by C-DOT. C-DOT has also developed a standards based Common Services Platform for IoT which is of tremendous value to smart city applications developers.

We, at India - EU Collaboration project and C-DOT are very pleased to invite you to our joint workshop. The workshop aims to provide a platform where foreign and Indian experts from IoT and M2M forums, academia, R&D, industry and senior officials from Ministries of Communications, Urban Development and Electronics and Information Technology and cities named in Indian Smart Cities Project can interact to share knowledge and experiences. It is also planned to enrich the interaction by inviting City Councillors from Europe and South Korea who have actually implemented smart city projects in their respective cities.

We believe that the workshop will be highly beneficial to the decision makers and senior officers of the ministries and cities associated with the smart cities projects of India. It will be a great opportunity for industry, including MSMEs, innovators, entrepreneurs and startups. And academia will be there to bring the right expertise and knowledge to the table.

India-EU Cooperation on ICT-Related Standardisation, Policy and Legislation Project

Team Leader and Senior Technical Advisor

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Agenda

- 0900 – 0930 Registration
- 0930 – 1100 **Inaugural Session**
Key Dignitaries from the Government of India and Top Leadership from TSDSI and ETSI
- 1100 – 1130 Networking High Tea and Inauguration of the Exhibition
- 1130 – 1300 **Session#1: Standards in Smart Cities**
– Expert presentations and case study of Smart City deployment based on the oneM2M framework
- 1300 – 1400 **Lunch**
- 1400 – 1545 **Session#2: Cities Talk**
– Smart City implementation experience sharing by City Commissioners from select European and Indian cities
- 1545 – 1615 Tea / Coffee break
- 1615 – 1715 **Session#3: Panel discussion Smart Cities Framework – Vital Elements**
Topics to be covered:
– Connectivity and spectrum
– Security
– Data
– Infrastructure
– Network agnosticism
– Policy/regulation
- 1715 – 1745 **Concluding session: Key Takeaways and Way Forward**

Detailed agenda on the website www.indiaeu-ictstandards.in

WHO SHOULD ATTEND

This workshop is designed to be of particular interest to decision makers in the Government and cities selected under Smart City Mission, charged with policy, planning, contracting and implementation responsibilities. The officials / professionals working in technology strategy and management of smart city projects, standards bodies, Chief Technical Officers, public authorities, local, regional and national governments as well as the ICT industry at large, including equipment manufacturers, telecom service providers and system integrators will also find tremendous value in the workshop.



Tomasz Kozlowski
Ambassador of the European
Union to India

"The European Union is committed to strengthening cooperation with India on ICT standards in the framework of bilateral policy dialogue and through concrete partnership projects. As interoperable standards are essential in the context of Smart Cities, I am pleased to actively support the workshop "Future proof smart cities with a common service layer: A standards driven approach".



Vipin Tyagi,
Executive Director, C-DOT

"The real 'smartness' of a 'Smart City' is in using IoT/M2M Communications in standardized, safe, secure, accountable and harmonized way to fulfill the dreams and aspirations of its citizens."



Pamela Kumar
Director General, TSDSI

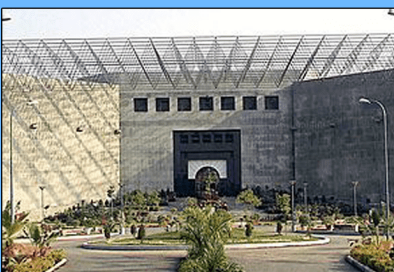
The development of SMART CITIES in India needs us to leapfrog and embrace disruptive technologies in ways which uniquely address the needs of our cities. Development of "India appropriate ICT Standards" is the key to the accelerated adoption of cost-effective, efficient and state-of-the art technologies in Smart Cities deployments.



Luis Jorge Romero
Director General, ETSI

A successful and future-proof rollout of smart cities is key for India to fully embrace the potential of a nationwide smart infrastructure. A standards-based approach will enable such rollout in an interoperable and cost-effective way.

The International Conference will be held at:



C-DOT Campus,
Mehrauli,
New Delhi 110030
India

For more information please visit:

<http://www.indiaeu-ictstandards.in/upcoming-workshop/>