

**Representing:**

Organisation

**Organisation (if applicable):**

ETSI SmartM2M

**If you want part of your response kept confidential, which parts?:**

**Ofcom may publish a response summary:**

Yes

**I confirm that I have read the declaration:**

Yes

**1. IoT definition, applications and demand:**

framework for a horizontal service layer, resource oriented, allowing Machines and Things to connect to the Network in a plugandplay mode, independently of the vertical applications and independently of the underlying network. Thiw will allow the development of services by third parties and independent actors.

See the work done in ETSI M2M, ETSI SmartM2M and now oneM2M Partnership project.

**2. Spectrum requirements :**

NA

**3. Network-related issues:**

Integrate Mobile and fixed Network in a convergent vision.

**4. Security and resilience:**

Both are key.

Security for autonomous connexions and running applications is a major element.

Security solutions must afford dynamic connexions of Objects and static ones like meters, with low to high Intelligence on the device side.

**5. Data privacy:**

Systems respecting Privacy might be desinged at the beginning in phase with the security solutions.

For example anonymous connexions

**6. Numbering and addressing:**

Multiple Identification and authentication methods will coexist, at the device level and as the network level, as it is the case with Internet.

## **7. Devices:**

Dedicated Hardware will run

Wireless connectivity mainly at the device level.

Common Software layer with a toolbox of elementary functionalities

## **8. Digital literacy:**

## **9. Data analysis and exploitation:**

The concept of data operator might be defined.

## **10. International developments:**

- ETSI M2M
- oneM2M PP (ATIS,TIA,TTA,TTC, ARIB,ETSI as partners type 1, others are invited to come like IEEE, CEN-CLC, ...) , partners type 2 will develop their specific technologies in accordance to the global framework.
- definition of a new abstracted layer with semantics and ontologies is key for EC, allowing the development of new services and reuse.

## **11. Ofcom's role :**

## **12. Additional comments:**