

قرار رقم 17 لسنة 2018

بشأن اعتماد سياسة إنترنت الأشياء (IoT)

بعد الاطلاع على المرسوم بقانون اتحادي رقم (3) لسنة 2003 في شأن تنظيم قطاع الاتصالات ولائحته التنفيذية وتعديلاتهما،

وبناءً على ما عرضه مدير عام الهيئة العامة لتنظيم قطاع الاتصالات، وموافقة مجلس إدارة الهيئة في اجتماعه رقم (78) المنعقد بتاريخ 14 مارس 2018،

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المادة الأولى- اعتماد السياسة

تعتمد بموجب هذا القرار سياسة إنترنت الأشياء (IoT) المرفقة بهذا القرار.

المادة 2- إصدار القرارات التنفيذية

يُصدر مدير عام الهيئة أو من يُفوضه القرارات اللازمة لتفعيل تطبيق سياسة إنترنت الأشياء (IoT) المعتمدة بموجب هذا القرار.

المادة 3- السريان والنشر

يُعمل بهذا القرار من تاريخ صدوره، ويُنشر في الجريدة الرسمية. صدر في دبي بتاريخ 22 مارس 2018.

طلال حميد بالهول

رئيس مجلس الإدارة

نشر هذا القرار في عدد الجريدة الرسمية رقم 629 ص 219.

REGULATORY POLICY

INTERNET OF THINGS (IoT)

2018 March 22 Issue Date:

Telecommunications Regulatory Authority (TRA)

, Abu Dhabi, United Arab Emirates (UAE) 26662 P O Box

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Definitions

The terms, words and phrases used in this Policy shall have the same meaning as are ascribed to them in the Telecommunications Law, unless this Policy expressly provides for otherwise, or the context in which those terms, words, and phrases are

used in this Policy requires otherwise. For the purposes of this Policy, the following terms and words shall have the meanings ascribed to them below:

- “Class Authorization”** means the frequency spectrum Authorization which -1.1 permits the operation of Wireless Equipment by any Person within designated frequency bands subject to the terms and conditions stipulated by the TRA.
- means any freely given, specific, informed and unambiguous ”- **“Consent”** 1.2 indication of the **Data Subject’s** wishes by which the **Data Subject**, by a statement or by a clear affirmative action, signifies agreement to Data Processing for data relating to them.
-) categories 4- **“Data Classification”** means classification of data in four (1.3 based on the potential adverse impact caused in case of a confidentiality breach or uncontrolled disclosure of the data:
- ‘Open’: Data provided by individuals, businesses or the government, to be freely or subject to a minimum limit, used or exchanged with third parties
 - ‘Confidential’: Data, the unrestricted disclosure or exchange of which may cause limited damage to individuals, businesses or the government
 - ‘Sensitive’: Data, the unrestricted disclosure or exchange of which may cause significant damage to individuals, businesses or the government
 - ‘Secret’: Data, the unrestricted disclosure or exchange or which may cause significant damage to supreme interests of the country and very high damage to individuals, businesses and the government.
- means any **Person** that, alone or jointly with other ”- **“Data Controller”** 1.4 **Person**, determines the purposes and means of **Processing** of data.
- means any operation or set of operations that is ”- **“Data Processing”** 1.5 performed on data or on sets of data, whether or not by automated means, such as collection, recording, organisation, structuring, storage, adaptation or alteration, retrieval, consultation, use, transmission, dissemination or otherwise making available, alignment or combination, restriction, erasure or destruction.
- means any **Person** that processes data on behalf of the ”- **“Data Processor”** 1.6 Controller.
- **“Data Subject”** 1.7 means an identified or identifiable **Person** to which the data 1.7 relates to.
(also called embedded Universal Integrated ”- **“Embedded SIM (‘eSIM’)”** 1.8 Circuit Card, eUICC) means a Subscriber Identity Module (SIM) that is physically integrated into the device and cannot be removed and replaced with another SIM.
 - **“Internet of Things (‘IoT’)”** 1.9 means a global infrastructure for the 1.9 information society, enabling advanced services by interconnecting (physical and virtual) Things based on existing and evolving interoperable information and communication technologies. The scope of this definition in context of this **Policy** is to regulate IoT within the UAE.
 - **“IoT Advisory Committee”** means the high-level Advisory Committee 1.10 chaired by the TRA, established for IoT related matters within the UAE with representatives from various identified ministries, regulators, public sector entities and experts in IoT.
 - **“IoT Service”** means a set of functions and facilities offered to a user by an 1.11 IoT Service Provider and it does not encompass IoT-specific Connectivity.

- **“IoT Service Provider”** means any **Person** that provides an **IoT Service** to **1.12** users (including individuals, businesses and the government), that will comprise the provision of IoT-related service/solutions.
- **“IoT Service Registration Certificate”** means a certificate that the TRA **1.13** issues for authorizing an **IoT Service Provider** to offer **IoT Service** in the UAE.
- **“IoT Service Registration Procedure”** means the procedure published by **1.14** the TRA for **IoT Service Provider(s)** to register their **IoT Service(s)**.
- **“IoT-specific Connectivity”** means connectivity that is, transmitting, **1.15** broadcasting, switching or receiving IoT related data by means of a Telecommunications Network covering a wide area.
- means an entity which has been issued a Telecommunication ”- **“Licensee”** **1.16**, including any modifications or 2003/3license under Federal Law by Decree amendments.
- means service represented by the ”**M) Service**”- **“Machine to Machine (M1.17** automated data transmission between devices using any communication channel such as wireline and wireless communication that may be carried out without any human interaction.
- **“Mission Critical”** service means an **IoT Service** that if fails, may result in **1.18** an adverse impact on health of individual(s), public convenience/safety and/ or national security.
- means the ability to ”**Remote Provisioning**”/- **“Over The Air (OTA) 1.19** remotely change the SIM profile on a deployed SIM without having to physically access the SIM itself.
- **“Person”** means a natural human being, company, public authority or any **1.20** other legal entity.
- means any information relating to an identified or ”- **“Personal Data”** **1.21** identifiable Natural Person; an identifiable Natural Person is one who can be identified, directly or indirectly, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier or to one more factors specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that Natural Person.
- **“Private Telecommunication Network”** means Telecommunication **1.22** Networks operated exclusively to serve the requirements and to benefit one person or a group of persons who have a common ownership.
- **“Regulated Activities”** means either the operation, supply or provisioning of **1.23** a Public Telecommunications Network and/ or Service to subscribers and all other types of activities specified by the Board in accordance with the provisions of the UAE Telecommunications Law.
- means a collection of software applications and data that ”- **“Soft SIM”** **1.24** perform all of the functionality of a SIM card but does not reside in any kind of secure storage. Instead, it would be stored in the memory and processor of the communications device.
- 2003 of 3- **“Telecommunication Law”** means the Federal Law by decree No **1.25** Regarding the Organization of the Telecommunications Sector as Amended.

- **“Telecommunications Regulatory Authority (TRA)”** means the General Authority for regulating the telecommunications sector in the UAE.

means objects of the physical world (Physical Things) or of the information world (Virtual Things) which are capable of being identified and integrated into communication networks. Things have associated information, which can be static and dynamic. Physical Thing refers to a thing that exists in the physical world and is capable of being sensed, actuated and connected. Virtual Thing refers to a thing that exists in the information world and is capable of being stored, processed and accessed.

- **“UAE”** means the United Arab Emirates.

- Legal Reference2

This Policy has been issued by the TRA based on the powers granted to it within the articles cited below.

, as amended, stipulates (2003) of 3) of Federal Law by Decree No. (2)13 Article -2.1 that the TRA shall exercise its functions and powers in order to, “enhance the level of service provided by the telecommunications sector in order to promote the interests of subscribers”.

, as amended, stipulates (2003) of 3) of Federal Law by Decree No. (4)13 Article -2.2 that the TRA shall exercise its functions and powers in order to, “encourage, promote, and develop the telecommunications and information technology industries in the State”.

, as amended, stipulates (2003) of 3) of Federal Law by Decree No. (7)14 Article -2.3 that the TRA shall have competence to issue regulations, instructions, decisions regulating “importing, manufacturing, using and managing Telecommunications Apparatus and issuing their respective approvals”.

, as amended, stipulates (2003) of 3) of Federal Law by Decree No. (8)14 Article -2.4 that the TRA shall have the competence to issue regulations, instructions, decisions regulating, “the allocation of telephone numbers, numbering plans and number portability”.

, as amended, stipulates (2003) of 3) of Federal Law by Decree No. (9)14 Article -2.5 that the TRA shall have the competence to issue regulations, instructions, decisions on, “regulating the usage of radio spectrum pursuant to the Law, including the allocation, re-allocation, usage of these frequencies and granting their authorizations”.

- Scope3

The TRA intends to allow the IoT service to develop in a coordinated, coherent, safe and secure manner.

This Policy specifies the TRA’s stance on regulatory aspects that underlie **IoT Service** across industries. Ministries and regulators for specific industries if required, may develop their own additional IoT-specific guidelines in coordination and consultation with the **IoT Advisory Committee** and/ or the TRA, as applicable.

This Policy shall be applicable to all Persons concerned with IoT within the UAE, including but not limited to:

- Licensees;

- IoT Service Providers; and

- IoT Service users including individuals, businesses and the government.