

# ITU-T

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SERIES Y: GLOBAL INFORMATION  
INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS,  
NEXT-GENERATION NETWORKS, INTERNET OF  
THINGS AND SMART CITIES

Internet of things and smart cities and communities –  
Frameworks, architectures and protocols

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## oneM2M – Common terminology

Recommendation ITU-T Y.4500.11



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# ITU-T Y-SERIES RECOMMENDATIONS

## GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS, NEXT-GENERATION NETWORKS, INTERNET OF THINGS AND SMART CITIES

### GLOBAL INFORMATION INFRASTRUCTURE

|                                           |             |
|-------------------------------------------|-------------|
| General                                   | Y.100–Y.199 |
| Services, applications and middleware     | Y.200–Y.299 |
| Network aspects                           | Y.300–Y.399 |
| Interfaces and protocols                  | Y.400–Y.499 |
| Numbering, addressing and naming          | Y.500–Y.599 |
| Operation, administration and maintenance | Y.600–Y.699 |
| Security                                  | Y.700–Y.799 |
| Performances                              | Y.800–Y.899 |

### INTERNET PROTOCOL ASPECTS

|                                                                    |               |
|--------------------------------------------------------------------|---------------|
| General                                                            | Y.1000–Y.1099 |
| Services and applications                                          | Y.1100–Y.1199 |
| Architecture, access, network capabilities and resource management | Y.1200–Y.1299 |
| Transport                                                          | Y.1300–Y.1399 |
| Interworking                                                       | Y.1400–Y.1499 |
| Quality of service and network performance                         | Y.1500–Y.1599 |
| Signalling                                                         | Y.1600–Y.1699 |
| Operation, administration and maintenance                          | Y.1700–Y.1799 |
| Charging                                                           | Y.1800–Y.1899 |
| IPTV over NGN                                                      | Y.1900–Y.1999 |

### NEXT GENERATION NETWORKS

|                                                                   |               |
|-------------------------------------------------------------------|---------------|
| Frameworks and functional architecture models                     | Y.2000–Y.2099 |
| Quality of Service and performance                                | Y.2100–Y.2199 |
| Service aspects: Service capabilities and service architecture    | Y.2200–Y.2249 |
| Service aspects: Interoperability of services and networks in NGN | Y.2250–Y.2299 |
| Enhancements to NGN                                               | Y.2300–Y.2399 |
| Network management                                                | Y.2400–Y.2499 |
| Network control architectures and protocols                       | Y.2500–Y.2599 |
| Packet-based Networks                                             | Y.2600–Y.2699 |
| Security                                                          | Y.2700–Y.2799 |
| Generalized mobility                                              | Y.2800–Y.2899 |
| Carrier grade open environment                                    | Y.2900–Y.2999 |

### FUTURE NETWORKS

Y.3000–Y.3499

### CLOUD COMPUTING

Y.3500–Y.3999

### INTERNET OF THINGS AND SMART CITIES AND COMMUNITIES

|                                                         |                      |
|---------------------------------------------------------|----------------------|
| General                                                 | Y.4000–Y.4049        |
| Definitions and terminologies                           | Y.4050–Y.4099        |
| Requirements and use cases                              | Y.4100–Y.4249        |
| Infrastructure, connectivity and networks               | Y.4250–Y.4399        |
| <b>Frameworks, architectures and protocols</b>          | <b>Y.4400–Y.4549</b> |
| Services, applications, computation and data processing | Y.4550–Y.4699        |
| Management, control and performance                     | Y.4700–Y.4799        |
| Identification and security                             | Y.4800–Y.4899        |
| Evaluation and assessment                               | Y.4900–Y.4999        |

For further details, please refer to the list of ITU-T Recommendations.

# Recommendation ITU-T Y.4500.11

## oneM2M – Common terminology

### Summary

Recommendation ITU-T Y.4500.11 contains a collection of specialist technical terms, definitions and abbreviations referenced within oneM2M specifications transposed as ITU-T Recommendations.

### History

| Edition | Recommendation  | Approval   | Study Group | Unique ID*                                                                |
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### Keywords

Specialist technical terms, definitions, abbreviations

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\* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

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In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

NOTE – This Recommendation departs slightly from the usual editorial style of ITU-T Recommendations to preserve existing cross-referencing from external documents.

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## Table of Contents

|      |                                  | Page |
|------|----------------------------------|------|
| 1    | Scope.....                       | 1    |
| 2    | References.....                  | 1    |
| 3    | Definitions .....                | 1    |
| 3.1  | 0-9.....                         | 1    |
| 3.2  | A .....                          | 1    |
| 3.3  | B .....                          | 3    |
| 3.4  | C .....                          | 3    |
| 3.5  | D .....                          | 3    |
| 3.6  | E.....                           | 4    |
| 3.7  | F.....                           | 4    |
| 3.8  | G .....                          | 4    |
| 3.9  | H .....                          | 5    |
| 3.10 | I.....                           | 5    |
| 3.11 | J.....                           | 5    |
| 3.12 | K.....                           | 5    |
| 3.13 | L.....                           | 5    |
| 3.14 | M.....                           | 6    |
| 3.15 | N .....                          | 6    |
| 3.16 | O .....                          | 6    |
| 3.17 | P.....                           | 6    |
| 3.18 | Q .....                          | 6    |
| 3.19 | R .....                          | 6    |
| 3.20 | S.....                           | 7    |
| 3.21 | T.....                           | 8    |
| 3.22 | U .....                          | 9    |
| 3.23 | V .....                          | 9    |
| 3.24 | W .....                          | 9    |
| 3.25 | X .....                          | 9    |
| 3.26 | Y .....                          | 9    |
| 3.27 | Z.....                           | 9    |
| 4    | Abbreviations and acronyms ..... | 9    |
| 4.1  | 0-9.....                         | 9    |
| 4.2  | A .....                          | 9    |
| 4.3  | B .....                          | 9    |
| 4.4  | C .....                          | 10   |
| 4.5  | D .....                          | 10   |
| 4.6  | E.....                           | 10   |

|                                                                               | <b>Page</b> |
|-------------------------------------------------------------------------------|-------------|
| 4.7 F.....                                                                    | 10          |
| 4.8 G.....                                                                    | 10          |
| 4.9 H.....                                                                    | 10          |
| 4.10 I.....                                                                   | 10          |
| 4.11 J.....                                                                   | 10          |
| 4.12 K.....                                                                   | 10          |
| 4.13 L.....                                                                   | 10          |
| 4.14 M.....                                                                   | 10          |
| 4.15 N.....                                                                   | 11          |
| 4.16 O.....                                                                   | 11          |
| 4.17 P.....                                                                   | 11          |
| 4.18 Q.....                                                                   | 11          |
| 4.19 R.....                                                                   | 11          |
| 4.20 S.....                                                                   | 11          |
| 4.21 T.....                                                                   | 11          |
| 4.22 U.....                                                                   | 11          |
| 4.23 V.....                                                                   | 11          |
| 4.24 W.....                                                                   | 11          |
| 4.25 X.....                                                                   | 11          |
| 4.26 Y.....                                                                   | 11          |
| 4.27 Z.....                                                                   | 12          |
| Annex A – oneM2M Specification update and maintenance control procedure ..... | 13          |
| Bibliography.....                                                             | 14          |

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# Recommendation ITU-T Y.4500.11

## oneM2M - Common terminology

### 1 Scope

This Recommendation contains a collection of specialist technical terms, definitions and abbreviations referenced within oneM2M specifications transposed as ITU-T Recommendations.

Having a common collection of definitions and abbreviations related to these Recommendations will:

- ensure that the terminology is used in a consistent manner across the Recommendations;
- provide readers with a convenient reference for technical terms that are used across multiple documents.

The present document provides a tool for further work on oneM2M technical documentation and facilitates their understanding. The definitions and abbreviations as given in the present document are either externally created and included here, or created internally within oneM2M by the oneM2M TP or its working groups, whenever the need for precise vocabulary is identified or imported from existing documentation.

In addition in oneM2M Technical Specifications and Technical Reports there are also clauses dedicated for locally unique definitions and abbreviations.

This Recommendation contains oneM2M Release 2 specification - oneM2M Common Terminology V2.4.1 and is equivalent to standards of oneM2M partners including ARIB, ATIS [ATIS.oneM2M.TS0011V241-2016], CCSA [CCSA M2M-TS-0011-V2.4.1], ETSI [ETSI TS 118 111 V2.4.1], TTA, TSDSI [TSDSI STD T1.oneM2M TS-0011-2.4.1 V1.0.0], TTA [TTAT.MM-TS.0011 v2.4.1] and TTC [TTC TS-M2M-0011v2.4.1].

### 2 References

None.

### 3 Definitions

This Recommendation lists the following terms defined in oneM2M related Recommendations:

NOTE 1 – Whenever in the present document a term "M2M Xyz" (e.g., M2M Application, M2M Solution, etc.) is used, then the prefix "M2M" should indicate that – unless otherwise indicated – the term identifies an entity Xyz that complies with oneM2M specifications.

NOTE 2 – For better readability of the present document the prefix "M2M" is ignored when definitions are alphabetically ordered.

#### 3.1 0-9

Void.

#### 3.2 A

**3.2.1 abstract information model:** Information model of common functionalities abstracted from a set of device information models.

**3.2.2 abstraction:** Process of mapping between a set of device information models and an abstract information model according to a specified set of rules.