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| **Source:** | | | ITU-T Working Party 2/13 | | | |
| **Title:** | | | LS on new terms and definitions from SG13 for cloud computing and big data | | | |
| **Purpose:** | | | Information | | | |
| **LIAISON STATEMENT** | | | | | | |
| **For action to:** | | | | - | | |
| **For comment to:** | | | | - | | |
| **For information to:** | | | | SCV | | |
| **Approval:** | | | | **ITU-T Working Party 2/13 meeting (Geneva, 2 November 2018)** | | |
| **Deadline:** | | | | N/A | | |
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| **Keywords:** | Liaison, ITU-T, SG13, terms and definitions |
| **Abstract:** | This document provides information about new terms and definitions in Y.3507, Y.3518, and Y.3602, which are consented in ITU-T WP 2/13 meeting (Geneva, 2 November 2018). |

ITU-T Study Group 13 thanks Standardization Committee for Vocabulary (SCV) for the alignment terms and definitions work. ITU-T Study Group 13 wishes to inform SCV on six new terms and definitions for cloud computing and big data from Y.3507, Y.3518, and Y.3602, which were consented by ITU-T WP 2/13 meeting (Geneva, 2 November 2018).

ITU-T SG13 looks forward to continuing its cooperation with SCV on the new terms and definitions.

**[**Recommendation ITU-T Y.3507 (formerly Y.ccpm-reqts), Cloud computing – Functional requirements of physical machine]

**3.2.1 physical machine**: a type of computing machine providing physical resources.

NOTE – A computing machine provides allocation and scheduling of processing resources. Types of computing machine are physical or virtual [ITU-T Y.3510].

**[**ITU-T Y.3602 (formerly Y.bdp-reqts), Big data – Functional requirements for data provenance]

**3.2.1 big data provenance:** information that records the historical path of data according to the data lifecycle operations in big data ecosystem.

NOTE 1 – Data lifecycle operations include data generation, transmission, storage, use, and deletion.

NOTE 2 – The provenance information provides the details about data source, such as a person responsible for the provision of data, functions applied to data, and information about the computing environment for data processing (e.g. OS, H/W description, locale settings, and time zone etc.).

[ITU-T Y.3518 (formerly Y.CCICDM-Req), Cloud computing – functional requirements of inter-cloud data management]

**3.2.1 inter-cloud data policy decision point (IDPDP):** an inter-cloud environment entity that makes authorisation decision and negotiation of inter-cloud data processes and usage.

**3.2.2 inter-cloud data policy enforcement point (IDPEP):** an inter-cloud environment entity that implements data policy decision of IDPDP (3.2.1).

**3.2.3 inter-cloud data policy information point (IDPIP):** an inter-cloud environment entity that stores the data policy.

**3.2.4 inter-cloud data policy administration point (IDPAP):** an inter-cloud environment entity that administrates data policies.

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