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| ITU logo | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2017-2020 | | | | SCV-TD90 | |
| **SCV** | |
| **Original: English** | |
|  | | | 8, All/5 | | Virtual meeting, 22 November 2018 | |
| **TD**  **(Ref.: SG5-LS63)** | | | | | | |
| **Source:** | | | ITU-T Study Group 5 | | | |
| **Title:** | | | LS/r on New ITU-T SG13 terms and definitions (reply to SCV - LS 16 -E) | | | |
| **Purpose:** | | |  | | | |
| **LIAISON STATEMENT** | | | | | | |
| **For action to:** | | | | Standardization Committee for Vocabulary (SCV) | | |
| **For comment to:** | | | | - | | |
| **For information to:** | | | | All ITU-T Study Groups, TSAG | | |
| **Approval:** | | | | ITU-T Study Group 5 meeting (Geneva, 21 September 2018) | | |
| **Deadline:** | | | | N/A | | |
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| **Keywords:** | Definitions, Dependability, Inter-cloud governance, Reliability, Resiliency |
| **Abstract:** | ITU-T Study Group 5 reviewed the liaison statement (Ref: SCV - LS 16 -E) on New ITU-T SG13 terms and definitions. ITU-T SG5 commented on the four provided definitions and highlighted the criteria for definition assessment which should be clear, readable and succinct. |

This liaisons answers [SCV - LS 16 - E](http://handle.itu.int/11.1002/ls/sp16-scv-oLS-00016.docx).

ITU-T Study Group 5 would like to thank Standardization Committee for Vocabulary (SCV) for sending the liaison statement **(Ref:** [SCV - LS 16 -E](http://handle.itu.int/11.1002/ls/sp16-scv-oLS-00016.docx)) on New ITU-T SG13 terms and definitions.

ITU-T Study Group 5 would also like to inform SCV that the choice of terms in the definitions will depend on the context of the terms that are being used.

ITU-T Study Group 5 would like to provide the following comments:

**[1] dependability:** The availability performance and its influencing factors on reliability performance, maintainability performance and maintenance support performance.

[SOURCE: Recommendation ITU-T Y.3514]

**Comment:**

The term describes an item that has the qualities of being trustworthy and reliable. The ITU-T Y.3514 definition can be traced back to IEC 60050-191:1990, 191-02-03. Repetitious use of the word “performance” is off-putting and unnecessary.

A more modern take on the term could be:

**dependability:** capability of a product enabling it to achieve the specified functional performance at the appropriate time and for the planned duration, without damage to itself or its environment.

Note 1 to entry: Dependability is generally characterised by the following four parameters: reliability, maintainability, availability, and safety.

[SOURCE: IEC 62239-1]

**[2]** **inter-cloud** **governance:** System by which the use of inter-cloud is directed and controlled.

[SOURCE: Recommendation ITU-T Y.3514]

**Comment:**

Governance often associates with actions or manners that are of controlling or regulating nature. In this sense, ITU-T SG5 would suggest replacing the word ‘governance’ with words such as ‘system’, ‘process’, or ‘procedure’.

**[3] reliability:** The ability of a system, product or component to perform and maintain under stated conditions as required for a specified period of time.

[SOURCE: Recommendation ITU-T Y.3514]

**Comment:**

Reliability is a sub-set of dependability and can apply to an item or measurement. The definition provided refers to an item. The definition also does not specify what is being ‘maintain’.

A shorter version would be “The ability to perform as required, without failure, for a given time interval, under specified conditions”.

**[4] resiliency:** The ability of a system, product or component to provide, maintain, or return to an acceptable level of service in the face of faults (unintentional, intentional or naturally caused) affecting normal operation.

[SOURCE: Recommendation ITU-T Y.3514]

**Comment:**

Resiliency describes the ability to return or recover to a state. A more succinct definition would be “The ability of a functional unit to continue to perform a required function after fault events”.

ITU-T SG5 looks forward to continuing to collaborate with the Standardization Committee for Vocabulary (SCV).

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