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|  | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2022-2024 | SCV-TD26 |
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| **TD****(Ref.: SG16-LS13)** |
| **Source:** | ITU-T Study Group 16 |
| **Title:** | LS on terms and definitions form SG16 new work items [to SCV/CCV] |
| **LIAISON STATEMENT** |
| **For action to:** | SCV/CCV |
| **For information to:** | All ITU-T Study Groups |
| **Approval:** | ITU-T Study Group 16 meeting (Geneva, 28 October 2022) |
| **Deadline:** | 30 March 2023 |
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| **Abstract:** | This liaison statement contains information from ITU-SG16 on terms and definitions proposed in new work items established at its meeting in Geneva, 17‑27 October 2022. |

ITU-T SG16 welcomes SCV/CCV and ITU-T SGs for the alignment of terms and definitions work.

Continuing our collaboration on the topic, ITU-T SG16 has prepared a list of proposed terms and definitions from the agreed new working items, as a continuation of the practice of early awareness, recognizing concerns and aligning on new terminology.

The ITU-T SG 16 invites comments and suggestions both on the proposed certain terms and definitions as well as on terminology in general, with the understanding that definitions can be improved as new Recommendations are developed.

Recognizing the previous correspondence regarding terms and vocabulary on earlier stages as good practice, ITU-T SG 16 would like to invite you to review the proposed definitions in the attachment and provide any comments, if appropriate, to harmonize the terminology. The group would like to acknowledge the importance of ITU-T SCV work on guiding ITU-T Study Groups on the best practices for creating and using terms and definitions in a harmonized fashion.

Attachment 1
List of new definitions identified in SG16 new work items

1. **Digital twin platform [ITU-T DTP-Reqts (Q21/16)]**: A series of functional units that perform core services and interactive services in digital twin system.
2. **Computer audition [ITU-T F.MFDreqs (Q21/16)]**: an interdisciplinary scientific field that deals with the complex problem of understanding and analyzing sound by computer.
3. **Machinery fault diagnosis [ITU-T F.MFDreqs (Q21/16)]**: A set of technologies that involve observing a mechanical equipment over a period of time using periodically sampled measurements from an array of sensors, extracting fault-sensitive features from these measurements, conducting statistical analysis of these features to determine the current health state of the equipment, and predicting the remaining useful life and trend of the fault.
4. **Digital Safety Diagnosis Platform** **[ITU-T DTP-Reqts (Q21/16)]**: a system to perform surveys and inspections of geospatial information obtained from large facilities with diverse and complex structures.
5. **Hybrid work** **[ITU-T F.ECHO (Q24/16)]**: A hybrid workforce is a type of blended workforce comprising of employees who work remotely and those who work from an office or central location. This way, employees can work from the places they want to, either in a central location, such as a warehouse, factory, or retail location, or in a remote location, such as the home.
6. **Digital human platform [ITU-T F.DH-PE (Q5/16)]**: TBD.
7. **Federated learning platform** **[ITU-T H.FL-AC** **(Q5/16)]**: TBD. (<Notes: Federated learning platform is the work environment that covers the whole process of federated learning tasks, and is provided for organizations or users with tools for data analysis and federated learning modelling, meanwhile the model can be applied to real business scenarios. The platform should have visual interface, implement management-related functions, implement basic calculation functions for data input and data analysis, implement main federated learning algorithms, meanwhile meet security requirements.>
8. **Computing power resource** **[ITU-T F.MAS (Q5/16)]**: A resource that provides data processing capabilities for data analysis of artificial intelligence multimedia systems. [Author's note: the initial terminology needs to be further studied.]
9. **Multi-algorithm scheduling [ITU-T F.MAS (Q5/16)]:** A technology that configures multiple algorithms based on computing power resource usage. [Author's note: the initial terminology needs to be further studied.]
10. **Household service robots [ITU-T F.DCOR-Reqs (Q5/16)]:** Service robots which are generally used by non-technical people, are allowed and execute the intended tasks in the home and similar environments.
11. **Digital safety diagnosis platform [ITU-T F.DCSS (Q5/16)]:** a system to perform surveys and inspections of geospatial information obtained from large facilities with diverse and complex structures.

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