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| Title: ITU logo | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2022-2024 | | | TSAG-TD351 |
| TSAG |
| **Original: English** |
| **Question(s):** | | RG-DT | | Geneva, 22-26 January 2024 |
| **TD (Ref.:** [SG9-LS44](http://handle.itu.int/11.1002/ls/sp17-sg9-oLS-00044.docx)**)** | | | | |
| **Source:** | | ITU-T Study Group 9 | | |
| **Title:** | | LS/r on the activities and studies on sustainable digital transformation (TSAG-LS22) [from ITU-T SG9] | | |
| **LIAISON STATEMENT** | | | | |
| **For action to:** | | | TSAG RG-DT | |
| **For information to:** | | | - | |
| **Approval:** | | | Q10/9 Rapporteur meeting (e-meeting, 8 September 2023) | |
| **Deadline:** | | | N/A | |
| **Contact:** | | | Jingyi Xue ABP, NRTA China | Tel: +86 187 0133 9136 Fax: +86 10 8609 3715 E-mail: [xuejingyi816@126.com](mailto:xuejingyi816@126.com) |
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This liaison statement answers [TSAG-LS22](https://www.itu.int/ifa/t/2022/ls/tsag/sp17-tsag-oLS-00022.docx).

A new liaison statement has been received from SG9.

This liaison statement follows and the original file can be downloaded from the ITU ftp server at <http://handle.itu.int/11.1002/ls/sp17-sg9-oLS-00044.docx>.

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|  | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2022-2024 | | | **SG9-LS44** |
| **STUDY GROUP 9** |
| **Original: English** |
| **Question(s):** | | 10/9 | | E-Meeting, 2023-09-08 |
| **LS** | | | | |
| **Source:** | | ITU-T SG9 | | |
| **Title:** | | LS/r on the activities and studies on sustainable digital transformation (TSAG-LS22) | | |
| **LIAISON STATEMENT** | | | | |
| **For action to:** | | | TSAG RG-DT | |
| **For information to:** | | | – | |
| **Approval:** | | | Q10/9 Rapporteur meeting (e-meeting, 8 September 2023) | |
| **Deadline:** | | | – | |
| **Contact:** | | Jingyi Xue ABP, NRTA China | | Tel: +86 187 0133 9136 Fax: +86 10 8609 3715 E-mail: [xuejingyi816@](mailto:xuejingyi@abp2003.cn)126.com |
| **Contact:** | | Satoshi Miyaji KDDI Corporation Japan | | Tel: +81 3 6328 1905  Fax: +81 3 6757 1271 E-mail: [sa-miyaji@kddi.com](mailto:sa-miyaji@kddi.com) |

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| **Abstract:** | The liaison statement provides information on the activities and studies related to sustainable digital transformation in ITU-T SG9. |

ITU-T SG9 would like to thank TSAG RG-DT for encouraging us to provide information on the activities and studies related to sustainable digital transformation ([TSAG-LS22](https://www.itu.int/ifa/t/2022/ls/tsag/sp17-tsag-oLS-00022.docx)).

SG9 reviewed our entire activities, and we are pleased to inform TSAG RG-DT about Recommendation ITU-T J.1600, which represents our main achievement related to digital transformation. Recommendation J.1600 introduces AI technology to facilitate cable television network operation and maintenance, which were previously being conducted by humans. Further information on Recommendation ITU-T J.1600 is provided based on the template provided by TSAG RG-DT as attached.

SG9 looks forward to keeping continued collaboration with TSAG RG-DT.

**Annex 1  
Activities and studies related to sustainable digital transformation**

| **Sector/Domain** | **Study group or**  **SDO** | **Title of deliverable** | **Scope of deliverable** | **Current status** | **Reference/URI** |
| --- | --- | --- | --- | --- | --- |
| *Network management*  *And*  *maintenance* | *ITU-T SG9* | *Artificial intelligence (AI) assisted cable networks – General requirements for the AI-assisted cable network platform* | *This Recommendation supports the automation of the operation and maintenance for cable TV and broadband networks, typically the hybrid fibre coaxial (HFC), through the premium cable network platform (PCNP) embedded with intelligent analyser and controller (IAC).*  *It specifies the framework of the PCNP that exploits the cloud based artificial intelligence and network data to optimize network and television (TV) services, thus enabling the high satisfaction of user's experience of perceptual aspects of services.*  *This Recommendation also defines a number of functions and interfaces that may be supported by the platform to facilitate intelligent network operation and maintenance.* | *approved* | <https://www.itu.int/ITU-T/recommendations/rec.aspx?rec=13977&lang=en> |

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