|  |  |  |
| --- | --- | --- |
| Title: ITU logo | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATION STANDARDIZATION SECTOR**STUDY PERIOD 2022-2024 | TSAG-TD606 |
| TSAG |
| **Original: English** |
| **Question(s):** | N/A | Geneva, 29 July - 2 August 2024 |
| **TD(Ref.:** [SG2-LS133](http://handle.itu.int/11.1002/ls/sp17-sg2-oLS-00133.docx)**)** |
| **Source:** | ITU-T Study Group 2 |
| **Title:** | LS/r on utilization of tools to produce Recommendations (reply to SG17-LS108) [from ITU-T SG2] |
| **LIAISON STATEMENT** |
| **For action to:** | - |
| **For information to:** | ITU-T SG3, SG5, SG9, SG11, SG12, SG13, SG15, SG16, SG17, SG20, TSAG |
| **Approval:** | ITU-T Study Group 2 meeting (Geneva, 28 June 2024) |
| **Deadline:** | - |
| **Contact:** | WANG ZhiliBUPTChina | Tel: +86 10 61198090 - 8726 Email: zlwang@bupt.edu.cn  |

This liaison statement answers [SG17-LS108](https://www.itu.int/ifa/t/2022/ls/sg17/sp17-sg17-oLS-00108.zip).

A new liaison statement has been received from SG2.

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-sg2-oLS-00133.docx>.

|  |  |  |
| --- | --- | --- |
|  | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2022-2024 | **SG2-LS133** |
| **STUDY GROUP 2** |
| **Original: English** |
| **Question(s):** | All/2 | Geneva, 19-28 June 2024 |
| **(Ref.:** [**SG2-TD496R1/GEN**](https://www.itu.int/md/T22-SG02-240619-TD-GEN-0496)**)** |
| **Source:** | ITU-T Study Group 2 |
| **Title:** | LS/r on utilization of tools to produce Recommendations (reply to SG17-LS108)  |
| **LIAISON STATEMENT** |
| **For action to:** | - |
| **For information to:** | All ITU-T Study Groups, TSAG |
| **Approval:** | ITU-T Study Group 2 meeting (Geneva, 28 June 2024) |
| **Deadline:** | - |
| **Contact:** | WANG ZhiliBUPTChina | Tel: +86 10 61198090 - 8726Email: zlwang@bupt.edu.cn |

|  |  |
| --- | --- |
| **Abstract**: | ITU-T SG2 provides its feedback to ITU-T SG17 (SG17-LS108) on utilization of tools to produce Recommendations.  |

ITU-T Study Group 2 would like to thank ITU-T SG17 for your valuable analysis on utilization of tools to produce Recommendations ([SG17-LS108](https://www.itu.int/net/itu-t/ls/ls.aspx?isn=30060)).

ITU-T SG2 would like to inform ITU-T SG17 that currently SG2 does not use tools such as Metanorma, Liquid, and GitHub/GitLab to support the development of Recommendations.

But in Question 7/2, when developing management interface Recommendations, for the implementable interface definitions, we do use some tools to check the syntax errors for our interface definitions. For example, when developing Web services/WSDL based interface designs, the tool Axis is used; when developing YAML/JSON-based RESTful interface designs, the tool Swagger is used as a convenient assistant and also as a syntax checker.

ITU-T SG2 would also share with you that 3GPP SA5 are using the tool FORGE to manage their interface design source codes extracted from their standards, which is a good approach for the version management of the evolving interface specifications, and this approach is very friendly for interface developers.

ITU-T SG2 is also open to exploring the use of these collaborative tools for developing Recommendations. This would be especially helpful for SG2's work on implementation, particularly regarding protocol-dependent interface design Recommendations. SG2 also welcomes discussions on this topic with the relevant Study Groups and TSAG.

ITU-T SG2 would also suggest that TSAG may provide guidance for using such tools for all study groups, including possible IPR issues, and may also provide some facilities for all relevant Study Groups to use in the future. For example, proving some database for user of ITU-T Recommendations to access compiled and implementable interface definition source codes associated with some specific Recommendations.

ITU-T SG2 looks forward to the continuous collaboration with ITU-T SG17 on this aspect.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_