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| **Radiocommunication Study Groups** | A blue logo with a black background  Description automatically generated |
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| Source: Document 4B/57 | **Document IMT-2020-SAT/10-E** |
| **30 October 2024** |
| **English only** |
| **Working Party 4B** | |
| Summary results of evaluation by ATIS Evaluation Group of IMT-2020 satellite candidate technology submission in Documents IMT‑2020-SAT/3 and IMT-2020-SAT/4 (3GPP) | |
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This document summarizes the evaluation results and activities identified for the IMT-2020 satellite candidate technology submission in Documents [IMT‑2020-SAT/3](https://www.itu.int/md/R19-IMT.2020.SAT-C-0003/en) and [IMT-2020-SAT/4](https://www.itu.int/md/R19-IMT.2020.SAT-C-0004/en) from ATIS Evaluation Group*.*

# 1 Background

The period from January 2024 (the 53rd*bis* meeting of Working Party 4B) to October 2024 (the 55th meeting of Working Party 4B) has been designated for evaluation of the IMT-2020 satellite candidate technology submissions by Independent Evaluation Groups.

The ATIS Evaluation Groupis a registered Independent Evaluation Group. At the 55th meeting of Working Party 4B, a final Evaluation Report on IMT-2020 satellite candidate technology submission in Documents IMT‑2020-SAT/3 and IMT-2020-SAT/4 (3GPP) was submitted by ATIS Evaluation Group (Doc. 4B/57). Working Party 4B has reviewed the evaluation report and will consider it further in the IMT-2020 satellite development process.

# 2 Evaluation summary for an SRIT for IMT-2020 satellite candidate technology in Document IMT‑2020-SAT/3

## 2.1 Use of information in Report ITU-R M.2514

Does Independent Evaluation Group confirm use of Report [ITU-R M.2514](https://www.itu.int/pub/R-REP-M.2514) in their work?

☑ Yes 🞎 No

## 2.2 Provision of compliance templates

Provision of compliance template for services (section 8.2.6.1 of Report ITU-R M.2514)

☑ Yes 🞎 No

Provision of compliance template for spectrum (section 8.2.6.2 of Report ITU-R M.2514)

☑ Yes 🞎 No

Provision of compliance template for technical performance (section 8.2.6.3 of Report ITU-R M.2514)

☑ Yes 🞎 No

## 2.3 Summary of conclusions of the evaluation report

Does the evaluation report indicate that the candidate technology meets minimum service and spectrum requirements?

Service requirements: ☑ Yes 🞎 No

Spectrum requirements: ☑ Yes 🞎 No

Which test environments have been considered in the evaluation report? What is outcome of the evaluation?

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| Test environment | Does the evaluation report indicate that the minimum technical performance requirements are met in the test environment?  Yes: all technical performance requirements are met.  No: at least one technical performance requirement is not met. |
| ☑ Rural-eMBB-s | ☑ Yes 🞎 No |
| ☑ Rural-mMTC-s | ☑ Yes 🞎 No |
| ☑ Rural-HRC-s | ☑ Yes 🞎 No |

## 2.4 Additional evaluation methodologies and assumptions

Have any additional evaluation methodologies or assumptions that had not been included in the Report ITU-R M.2514 been used in evaluation?

🞎 Yes ☑ No

# 3 Evaluation summary for a RIT for IMT-2020 satellite candidate technology in Document IMT-2020-SAT/4

## 3.1 Use of information in Report ITU-R M.2514

Does Independent Evaluation Group confirm use of Report ITU-R M.2514 in their work?

☑ Yes 🞎 No

## 3.2 Provision of compliance templates

Provision of compliance template for services (section 8.2.6.1 of Report ITU-R M.2514)

☑ Yes 🞎 No

Provision of compliance template for spectrum (section 8.2.6.2 of Report ITU-R M.2514)

☑ Yes 🞎 No

Provision of compliance template for technical performance (section 8.2.6.3 of Report ITU-R M.2514)

☑ Yes 🞎 No

## 3.3 Summary of conclusions of the evaluation report

Does the evaluation report indicate that the candidate technology meets minimum service and spectrum requirements?

Service requirements: ☑ Yes 🞎 No

Spectrum requirements: ☑ Yes 🞎 No

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| ☑ Rural-eMBB-s | ☑ Yes 🞎 No |
| ☑ Rural-mMTC-s | ☑ Yes 🞎 No |
| ☑ Rural-HRC-s | ☑ Yes 🞎 No |

## 3.4 Additional evaluation methodologies and assumptions

Have any additional evaluation methodologies or assumptions that had not been included in the Report ITU-R M.2514 been used in evaluation?

🞎 Yes ☑ No

# 4 Evaluation Report

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| The number of the final evaluation report | The name of the final evaluation report | The files of the final evaluation report |
| 4B/57 | Final evaluation analysis from ATIS WTSC IMT-2020 Independent Evaluation Group on the 3GPP submission(s) toward IMT-2020 satellite component technologies |  |

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