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**Question(s):**3/  
3

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**Study Group:** ITU T SG 3RGAO

**Working Party:**

**Source:** IAFI

**Title:** Technical Report on “Assessment of the socio-economic impact of Local Area Networks using technologies including Wi-Fi, New Radio -Unlicensed (NR-U) on consumers in Asia and Oceania”

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**Abstract:** [Insert an abstract under 200 words that describes the content of the document, including a clear description of any proposals it may contain.]

[This technical report aims to study and assess the socio-economic impact of local area networks using technologies including Wi-Fi and New Radio Unlicensed (NR-U) on consumers in Asia Oceania region.

]

I n t e r n a t i o n a l   T e l e c o m m u n i c a t i o n   U n i o n

# ITU-T      Technical Report

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

(12-13 September, 2023)

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## **xSTR-ACRONYM**

**“Assessment of the socio-economic impact of Local Area Networks using technologies such as Wi-Fi, New Radio -Unlicensed (NR-U), etc on consumers in Asia and Oceania”**

## Summary

This technical report aims to provide a comprehensive comparison matrix on local area networks using Wi-Fi, NR-U in Asia Oceania region analysing the socio-economic impact on relevant stakeholders, and lessons learned. (complete).

## Keywords

[Radio Local Area Networks (RLAN), WIFI, New Radio Unlicensed (NR-U)]

## Change Log

This document contains Version 0 of the proposed base text for ITU-T SG 3 RGAO Technical Report xSTR-ACRONYM on "“Assessment of the socio-economic impact of Local Area Networks using technologies including Wi-Fi, New Radio -Unlicensed (NR-U) on consumers in Asia and Oceania” " approved as a new work item at the ITU-T Study Group 3 RGAO meeting held in New Delhi,9-12 August,2022

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# Technical Report ITU-T xSTR-ACRONYM

## ITU T SG 3 RGAO Technical Report on “Assessment of the socio-economic impact of Local Area Networks using technologies including Wi-Fi, New Radio - Unlicensed (NR-U) on consumers in Asia and Oceania Region

### Summary

[With the increasing Internet adoption and penetration and Asia’s high population density, the technologies like Wi-Fi, NR-U can further enhance the socio-economic value with associated economies of scale, increased productivity and efficiency. Technologies like Wi-Fi and NR-U and other such technologies have empowered people and communities through socio-economic opportunities in under- developed and developing areas where Internet connectivity and speed is poor and unaffordable.

World Bank has estimated that a 10 percent increase in broadband penetration increases a country’s Gross Domestic Product (GDP) by 1.3 percent. A recent study by the Wi-Fi Alliance predicts that the global socio-economic value of Wi-Fi will rise to a staggering US \$4.9 Trillion by 2025. This socio-economic value includes contributions from the use of Wi-Fi by consumers, businesses, service providers, and more.

The proposed new Technical Report aims to provide a comprehensive comparison matrix on local area networks using Wi-Fi, NR-U in different Asian and Oceanic countries. And it also targets to analyse the socio-economic impact on relevant stakeholders, and lessons learned.].

### 1 Scope

[This technical report aims to study and assess the socio-economic impact of local area networks using technologies including Wi-Fi and New Radio Unlicensed (NR-U) on consumers in Asian and Oceanic countries.

ADD TEXT].

### 2 References

- [1] Katz,R and Callorda F,(2019 ),ITU Study “Economic contribution of broadband, digitization and ICT regulation: Econometric modelling for the Asia-Pacific regionfile:///C:/Users/Dell/OneDrive/Desktop/D-PREF-EF.BDT\_AP-2019-PDF-E.pdf;
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- [3] Wi-Fi Alliance and Telecom Advisory Services, “The Economic Value of Wi-Fi: A Global View 2021-2025,” (2021) [https://www.wi-fi.org/system/files/Global\\_Economic\\_Value\\_of\\_Wi-Fi\\_2021-2025\\_202109.pdf](https://www.wi-fi.org/system/files/Global_Economic_Value_of_Wi-Fi_2021-2025_202109.pdf);
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- [5] Pantelis Koutroumpis, (2019)The economic impact of broadband: Evidence from OECD countries, Technological Forecasting and Social Change;
- [6] Jason Potts. 2014. Economics of public WIFI. ajtde, Vol 2, No 1, Article 20. <http://doi.org/10.18080/ajtde.v2n1.20>. Published by Telecommunications Association Inc. ABN 34 732 327 053. <https://telsoc.org>;

3 Terms and definitions

3.1 Terms defined elsewhere

This Technical Report uses the following terms defined elsewhere:

3.1.1 term [reference]: definition

3.1.2 term [reference]: definition

3.2 Terms defined here

This Technical Report defines the following terms:

3.1.1 term [reference]: definition

3.1.2 term [reference]: definition

4 Abbreviations

LAN Local Area Networks

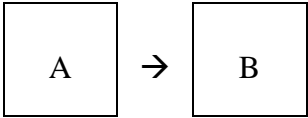
NR-U New Radio -Unlicensed

5 Specific contents: could be introduction or something more substantive

[ADD TEXT].

Table 1: Example of a table

Number	Observation
1	Sample table
2	Table header (1st row) uses style Table_head
3	Other table rows use style Table_text
4	Heading with table number uses style "Table_No & title"



Captions for figures use WinWord style "Figure\_No & title"

Figure 1: Example of a figure

**Annex A**  
**Example of annex**

[ADD TEXT].

**Appendix I**  
**Example of appendix**

[ADD TEXT, IF ANY].

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