

## 1. Cables for Digital Communications : G/TBT/N/BRA/1520 dated 30 January 2024

<b>Notifying Member</b>	Brazil
<b>Type of Notification</b>	Regular notification
<b>Economic relevance</b>	High " USD 14.72 Mn"
<b>Technical Relevance</b>	Technical-New

### Proposal in brief

- a. The Brazilian National Telecommunications Agency has proposed to update the Technical Requirements for Conformity Assessment of Access Data Transmission Cable with flexible or solid conductor- categories 7, 7A and 8 with a capacity of four pairs and categories 3, 5e, 6 and 6A with a capacity of two or four pairs, contained in the records of SEI process No. 53500.054018/2021-90.
- b. The proposal amends several articles of the Annex to Act No. 386 of January 16, 2023, which includes but not limited to:
  - a. Amends article 1 item 4.6.5.2 "as set out in paragraph 6.3.5 of IEC 61156-6 for category 7 and 7A cables."
  - b. Amends article 2 item 4.6.6 as  
"4.6.6. The ACRF and PSACRF values obtained for access cables shall not be lower:  
4.6.6.1. as set forth in paragraphs 6.6.12 and 6.6.14, respectively, of ANSI/TIA 568.2-D for category 3 to 6A and 8 cables: or  
4.6.6.2. as set out in paragraph 6.3.6 of IEC 61156-6 for category 7 and 7A cables."
  - c. Amends article 3 item 4.6.7.1 as set out in paragraph 6.3.4 of IEC 61156-6 for category 7 and 7A cables: or"
  - d. Article 4 Amend item 4.6.7.2 to the provisions of item 6.4.15 of the ANSI/TIA-568.2-D standard for cables with shielding categories 3 to 6A and 8, except x/FTP, and for these, individually shielded, the value obtained in TCL module measured from 1 to 250 MHz must be greater than or equal to  $40 - 15 \log(f)$  dB."
  - e. Article 5 Amend item 4.6.8.2 to the provisions of item 5.1.18 of the ABNT NBR 14703 standard for category 6 and 6A cables or item 6.6.17 of the ANSI/TIA-568.2-D standard for category 3 to 6A and 8 cables."
  - f. Article 6 Amend item 4.6.9 as  
"4.6.9. The propagation delay values obtained for access cables shall not be higher:  
4.6.9.1. as set forth in item 6.3.2.1 of IEC 61156-6 for category 7 and 7A cables; 4.6.9.2. the provisions of item 5.1.15 of the ABNT NBR 14703 standard for category 6 and 6A cables or item 6.6.19 of the ANSI/TIA-568.2-D standard for category 3 to 6A cables; or  
4.6.9.3. as set forth in paragraph 6.6.20 of ANSI/TIA-568.2-D for Category 8 cables."
  - g. Article 7 Amend item 4.6.10 as  
4.6.10.2. the provisions of item 5.1.16 of the ABNT NBR 14703 standard for category 6 and 6A cables or item 6.6.21 of the ANSI/TIA-568.2-D standard for category 3 to 6A cables; or  
4.6.10.3. as set forth in paragraph 6.6.22 of ANSI/TIA-568.2-D for Category 8 cables."
  - h. Article 8 Amend item 4.6.11 as  
"4.6.11. The PSANEXT values obtained from access cables shall not be lower:

- 4.6.11.1. to the provisions of item 6.6.25 of the ANSI/TIA 568.2-D standard for category 3 to 6A and 8 cables, and the use of the provisions of item 5.1.21 of the ABNT NBR 14703 standard for category 6A cables is also allowed: or
- 4.6.11.2. as set out in paragraph 6.3.7 of IEC 61156-6 for category 7A cables."
- i. Article 9 Amend item 4.6.12
  - "4.6.12. The PSAACRF values obtained from data transmission cables shall not be lower than:
    - 4.6.12.1. to the provisions of item 6.6.29 of the ANSI/TIA 568.2-D standard for category 3 to 6A cables, and the use of the provisions of item 5.1.22 of the ABNT NBR 14703 standard for category 6A cables is also allowed.
    - 4.6.12.2. as set forth in paragraph 6.6.30 of ANSI/TIA 568.2-D for Category 8 cables: or
    - 4.6.12.3. to the provisions of paragraph 6.3.7 of IEC 61156-6 for category 7A cables."
- j. Art. 10 Amend item 4.7.1.1 the provisions of paragraph 6.8.1 of the ANSI/TIA-568.2-D standard for category 3 to 6A cables and the provisions of paragraph G.1.1 of the ANSI/TIA-568.2-D standard for category 8 cables: or"
- k. Art. 11 Amend item 4.7.2.2 as set forth in paragraph 6.6.2 of ANSI/TIA-568.2-D for category 3 to 6A and 8 cables."
- l. Art. 12 Amend item 4.7.3.2 as specified in paragraph 6.6.5 of ANSI/TIA-568.2-D for Category 3 to 6A and 8 cables."
- m. Art. 14 This Act enters into force on the date of its publication in Anatel's Electronic Service Bulletin.

## **Analysis**

- a. Sarvada's observations are based on the WTO notification as the unauthenticated English translation of technical document through online translator as the technical documents are not available in English.