



**Telecommunications Industry Association**

1310 North Courthouse Road, Suite 890  
Arlington, VA 22201 | [www.tiaonline.org](http://www.tiaonline.org)

**Approved by General Counsel**

TR-42.5 Subcommittee on  
Telecommunications Infrastructure Terms  
and Symbols

Meeting Date: 10 June 2022 Location:

Teleconference

Approved: 13 July 2022



## Meeting Report

**Organization:** TIA TR-42.5 Subcommittee on Telecommunications Infrastructure Terms and Symbols

**Chair:** Diane Forbes – NIS, (503) 246-8585

**Vice Chair:** Ron Tellas – Belden, (219) 218-5699

**Date:** Friday, June 10, 2022, 8:00 AM – 9:00 AM (Central Time)

**Location:** Virtual GoToWebinar :  
<https://attendee.gotowebinar.com/register/4862096912280380943>

### IMPORTANT NOTICE OF PARTICIPATION

Participation in, or attendance at, any activity of a TIA Formulating Group or any sub-element thereof, constitutes acceptance of and agreement to be bound by all provisions of the current TIA Procedures for American National Standards (PANS) and the TIA Engineering Committee Operating Procedures (ECOP) and permission that all communications and statements, oral or written, or other information disclosed or presented, and any translation or derivative thereof, may without compensation, and to the extent such participant or attendee may legally and freely grant such copyright rights, be distributed, published, and posted on TIA's web site, in whole or in part, on a non-exclusive basis by TIA or TIA's licensees or assignees, or as TIA directs. Exceptions to the foregoing may be granted or permitted in writing to the Chair of the Formulating Group by the head of the TIA Standards Department on a case-by-case basis.

TIA is actively seeking participation in TR-42 standards projects from the user and general interest communities.

## 1 Administration

### 1.1 Call to order

Meeting called to order at 8:00am CST.

### 1.2 Attendance (introductions, electronic roster, quorum call

Quorum achieved with the following in attendance:

Last Name	First Name	Organization
Ahmed	Adnan	RDM
Celella	Brian	The Siemon Company
Connaughton	Mike	Leviton

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## Meeting Report

Ehredt	Al	Telegartner
Eisele	Steve	Data Center Systems
Emplit	Ray	Harger
Forbes	Diane	NIS
Franc	Henry	Belden
Harpel	Todd	Berk-Tek
Hess	Dave	Cord Data
Jew	Jonathan	J&M Consulting
Kozischek	David	Corning
Kumar	Anand	RiT Tech
Larsen	Wayne	CommScope
Lenz	Sean	Panduit
Maguire	Valerie	Siemon
Montstream	Cindy	Legrand
Payton	Scott	Global Data
Pelletier	Antoine	Intertek
Reece	Mark	Google



## Meeting Report

Sandels	Greg	OFS
Schmalzigaug	Thomas	Huber Suhner
Tellas	Ron	Belden
Valentukonis	Dave	The Siemon Company
Winston	William	Fluke
Woodman	Brad	Molex

### 1.3 Agenda review and approval

Agenda is approved without opposition.

### 1.4 Intellectual property rights (early disclosure policy)

TIA has an Intellectual Property Rights (IPR) Policy. We call to the attention of participants and attendees that TIA's Policy is to encourage, but not require, the voluntary disclosure (preferably early) of Essential Patent(s) and published pending patent application(s) that may be essential to the practice of a TIA Publication. Such disclosures are to be made following the procedures of the TIA Intellectual Property Rights Policy. Additional information can be found in the TIA Intellectual Property Rights Guidelines.

### 1.5 Distribution of documents and contributions

The following documents were distributed prior to the meeting in the [TR 42-5 Community Document Library](#):

Document	Title	Company	Contributor
TR425-2022-06-04	Meeting Agenda June 2022	NIS	Forbes
TR425-2022-06-05	Meeting Report January 2022	Belden	Tellas
TR425-2022-06-06	Working Dictionary	NIS	Forbes

### 1.6 Meeting report review and approval

TR425-2022-06-05 Meeting Report January 2022 is approved without opposition.



## Meeting Report

### 2 Old business

The deferred definitions were accepted.

**edge data center:** A data center that is continuously monitored and located at the network edge supporting equipment and applications

**Micro edge data center:** A small data center in a pre-manufactured enclosure that is continuously monitored and located at the network edge supporting equipment and applications

**μEDC** micro edge data center

### 3 New business

#### 3.1 New definitions added:

**immersion cooling:** A cooling technique in which equipment is directly immersed in a dielectric fluid which removes heat.

**coaxial cable, dual shield:** A coaxial cable with a shield consisting of a foil layer overwrapped by a concentric wire braid layer, or of two concentric wire braid layers without a foil between them.

**coaxial cable, tri-shield:** A coaxial cable with a shield consisting of a foil layer overwrapped by a concentric wire braid layer and a second foil layer.

**coaxial cable, quad-shield:** A coaxial cable with a shield consisting of a foil layer overwrapped by a concentric wire braid layer, a second foil layer, and a second wire braid layer.

**alien far-end crosstalk:** The unwanted signal coupling from a disturbing pair of a channel, permanent link, or component to a disturbed pair of another channel, permanent link, or component, measured at the far end.

**alien far-end crosstalk loss, power sum:** The power sum of the unwanted signal coupling from multiple disturbing pairs of one or more channels, permanent links, or components to a disturbed pair of another channel, permanent link, or component, measured at the far end.

**alien near-end crosstalk:** Unwanted signal coupling from a disturbing pair of a channel, permanent link, or component to a disturbed pair of another channel, permanent link, or component, measured at the near end.



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**alien near-end crosstalk loss, power sum:** The power sum of the unwanted signal coupling from multiple disturbing pairs of one or more channels, permanent links, or components to a disturbed pair of another channel, permanent link, or component, measured at the near end.

**equal level transverse conversion transfer loss:** A calculation, expressed in dB, of the difference between measured transverse conversion transfer loss and the differential mode insertion loss of the pair.

### 3.2 Definitions Deferred

**equal level transverse conversion transfer loss:** A calculation, expressed in dB, of the difference between measured transverse conversion transfer loss and the differential mode insertion loss of the pair.

### 3.3 Definitions Rejected (common terms)

**rated (or rating):** Term used to classify data centers in ANSI/TIA-942.

**UPS module:** A basic incremental capacity component of a UPS system.

**UPS unit:** Uninterruptible power supply equipment which is used to provide continuous conditioned power.

## 4 Next Subcommittee meeting.

The next Subcommittee meeting will be **October 3-7, 2022; hybrid** virtual and in-person. Location TBD – Florida.

## 5 Adjournment

Meeting was adjourned at 8:42am CST.

This meeting was conducted in accordance with the TIA Legal Guidelines and the engineering procedures.

### AVAILABILITY OF MEETING DOCUMENTS:

TR-42.5 members/participants are instructed to download contributions and other meeting documents from TIA Connect ([connect.tiaonline.org](https://connect.tiaonline.org)) before the meeting.

**To access the meeting's contributions, please follow the directions below:**

- Go to [connect.tiaonline.org](https://connect.tiaonline.org)
- Enter your *Username* (your email address in the TIA database)
- Enter your *Password*
- Click "LOGIN"

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## Meeting Report

- Click the “*Communities*” tab and then select “*All My Communities*”
- Scroll down the page and select “*TR-42.5 Telecommunications Infrastructure Terms and Symbols*”
- Click on “*Documents*” and then select the “*2021-06 Virtual*” folder

### NEW CONTRIBUTIONS:

Contributions shall use the approved templates and specific wording provided by TIA. Contributions affecting a document are to include a TIA cover sheet, proposed text to be included in the document, and the rationale/substantiation for the contribution. File templates are available on TIA Connect under the Standards Procedure Toolbox tab in the Form folder for download. All contributions shall be submitted to the electronic document coordinator (EDC). All electronic files shall be provided in either Adobe Acrobat (\*.PDF); Microsoft Word (\*.DOC); Microsoft PowerPoint (\*.PPT); or in Microsoft Excel(\*.XLS). Compressed files shall be accessible using PKUNZIP or WINZIP (\*.ZIP).

Early submittal and posting of contributions for consideration in meetings is highly encouraged. Contributions shall be submitted to the EDC as soon as possible and then posted to the appropriate TIA Connect folders by the EDC as soon after receipt as possible, preferably within one business day. All contributions shall be posted to the appropriate location on TIA Connect no later than 12:00 noon EST on the Monday preceding the week of the meeting in which the contribution is to be considered (example: if the meeting will be held on Thursday the 20th, the contributions shall be posted by noon on Monday the 10th).

### LATE CONTRIBUTIONS:

Contributions not posted as described in the timing above shall be classified as “late contributions.” They may be considered in the meeting to which they are addressed provided that an appropriate motion receives 50% or greater of a vote.

All late contributions shall be provided to the EDC and to the committee members on a memory stick or CD-ROM along with sufficient paper copies for those members without a PC. All late contributions shall be posted to TIA Connect within one week of meeting adjournment.

**Questions and comments on this meeting report should be submitted in writing to:**

Diane Forbes, Chair 42.5	<a href="mailto:Diane.Forbes@NIS.consulting">Diane.Forbes@NIS.consulting</a>
Ron Tellas, Vice Chair 42.5	<a href="mailto:ronald.tellas@belden.com">ronald.tellas@belden.com</a>