

Physical Layer Transmission

Mission Statement:

The Physical Layer Transmission Work Area provides test plans, technical documentation, and marketing papers to enable multi-vendor interoperability in deployments for both access and in-premises networks.

Work Area Director: [Herman Verbueken](#), Nokia

Business Impact:

The focus of the PHYtx WA is to develop technical recommendations which will help service providers deploy equipment that will give a better quality of experience for their end users.

Standardized interoperability and certification, create a trusted base of equipment and services providing operators with an accelerated time to market, avoiding large investments in time and customizations. Interoperability provides invaluable intelligence as feedback to both developers and implementers of new products and services.

Scope:

- Definition of test plans for access network physical layer transmission technologies (such as VDSL2 and Gfast) and Reverse Power Feeding technologies
- Definition of test plans for in-premises network physical layer transmission technologies such as power line communications
- Creation of best practice or use cases documentation for advanced features, such as Fiber extensions, cable models.

Active Project Streams:

Project Stream	Description	PS Leaders
Non-PS Assigned	Projects that don't fit under the scope of an existing Project Stream or if they fit under the scope of more than one Project Stream, are developed under the Non-PS Assigned category.	Herman Verbueken , Nokia
FANCE (Fiber Access Network Copper Extensions)	Development of technical documentation for the deployment of copper transmission technologies that extend fiber networks to end-users using existing copper infrastructure at the premises. Technologies covered include but are not limited to Gfast, G.hn and MoCA.	Aleksandra Kozarev , Intel
G.fast and RPF Certification	Development of test plans and related technical documentation for certification and performance testing of ITU-T G.fast and its associated reverse power feeding. This work may be leveraged within certification programs operated by the Broadband Forum.	Frank Van der Putten , Nokia



Physical Layer Transmission Work Area Email Lists

- phytx@broadband-forum.org: PHYtx meeting notification, agendas, discussion, etc.
- [Join or Leave BBF Groups and Email Lists](#)
- Go to your [JIRA profile page](#) to see all of your current BBF group memberships.

PHYtx Calls, Minutes, Agendas

- [PHYtx Calendar](#)
- [PHYtx Meeting Reports](#)
- All Broadband Forum [T eleconference Meetings](#)

See also:

Home Networki ng	Development of technical documentation for comparison of in-home network devices and their co-existence.	Marcos Martinez, MaxLine ar
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Active Projects

Completed or Inactive Project Streams:

- These can be found on the [PHYtx - Archived Project Streams and Projects](#) page