

Get ready to replace your copper network with a fiber optic network

ILR

INSTITUT
LUXEMBOURGEOIS
DE RÉGULATION



FINDING OUT WHEN MY COPPER LINE WILL BE DISCONNECTED

If you have not yet been contacted by your operator, you can check the disconnection date for your copper line on:

myILR.lu

If necessary, contact your operator or any other operator of your choice to discuss possible alternatives.

If you have already opted for an electronic communications service (fixed telephony and Internet) based on a very high-speed network (fibre network, coaxial cable, 5G or satellite), you will not be impacted by the closure of the copper network at your address. If in doubt, contact your operator.



WHAT TO DO?

If your connection is based on the copper network, then it is time to move up a gear by choosing a very high-speed fibre, coaxial cable, 5G, or satellite network.



REASONS FOR EVOLVING TECHNOLOGY ?

The replacement of the copper network by a fibre optic network is accelerating.

Digitalization is playing an increasingly important role in society. A very high-speed network – fast, modern, and reliable – becomes essential. Today, the copper network is reaching the limit of its technical capacities. The aging and sometimes obsolete copper network no longer meets the needs and demands of a society that consumes and produces data in an exponential way, in particular with the use of online tools related to teleworking or training, streaming applications, or online administrative services.

Very high-speed networks deliver higher speeds and greater efficiency in terms of use, are less expensive and limit the environmental footprint. With the deployment of fibre optic infrastructure, maintaining the copper network is no longer relevant. The copper network will be phased out gradually until 2030.



ADVANTAGES OF VERY HIGH-SPEED NETWORKS COMPARED TO THE COPPER NETWORK

- Faster and more efficient data transfer, allowing speeds of up to 1 Gbit/s and more
- Less energy consuming
- Low latency, essential for videoconferencing or video games
- Possibility to connect several devices simultaneously to the Internet while keeping the same quality of service with a fluid connection and without interruption
- Enables new uses (e-health, virtual reality, etc.)



POSSIBLE TECHNICAL SOLUTIONS

Optical fibre – coaxial cable – 5G – satellite

The incumbent operator is gradually replacing its copper network with a fibre network, but other very high-speed technologies exist, such as coaxial cable, satellite or 5G.

- Optical fibre: currently available for about 85% of households
- High-speed coaxial cable (DOCSIS 3.1): covers nearly 85% of households, up to 1 Gbit/s download speed
- 5G: available nationwide, also suitable for fixed usage
- Satellite: alternative solution for remote areas or where cable connections are difficult

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WHAT IS THE ILR ?

The Institut Luxembourgeois de Régulation, independent authority, is responsible for regulating electronic communications networks and services.