



One Care iT Limited

# The End Of The Traditional Landlines



**THE BIG SWITCH OFF IS COMING**  
Is your business ready?

## What is the 2025 switch-off?

In 2025, Openreach will retire the old copper analogue PSTN and ISDN networks. Businesses (and homes) with analogue infrastructure will have to migrate systems to a digital alternative.

The legacy (since the 1800s) copper systems no longer meet the needs of the digital world.

## What does this mean for my Business?

The extent of this project is significant. Anything currently using a copper line will be affected.

It's not just about telephone services. Any service that uses this infrastructure will be impacted. The most apparent services are analogue telephone lines (PSTN) and digital lines (ISDN), but it doesn't stop there.

- This change also affects dial-up devices, fax, alarm systems, modem, building management systems, lift lines, PDQ machines, EPOS machines and door entry systems.
- Phone systems mainly use ISDN 2e and ISDN 30e lines.
- Broadband services run over an analogue telephone line. For example, ADSL and FTTC Broadband.



Monitoring Equipment



Analogue Phone



Fax Machines



Franking Machines



ISDN



Lift Phone



Metering Equipment



Alarms



PDQ Machines



Telecare Services

## 2025 is years away, why are we talking about this now?

There are 15 million Business lines to be migrated, which will require a large-scale effort from Openreach. 2023 will mark the 'Stop Sell' for all analogues services. To not disrupt services too much before shifting completely into digital mode, ISDN networks will be retired first, followed by the Broadband service.

Your Business could be waiting for months before your installation date arrives. This mainly depends on what stage your local Exchange is at with the installation of the new digital infrastructure and how many others around you have placed orders too.

**2023**  
The sale of all copper product will end

**2024**  
ISDN Switch off begins, followed by PSTN retirement

**2025**  
Service Completely phased out

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# What are the **alternatives** options?

In order to turn off analogue services, new technologies are being phased in:

CURRENT SERVICES	REPLACEMENT SERVICES
<b>Telephony</b>	
PSTN and ISDN	VoIP and SIP trunks
<b>Broadband</b>	
ADSL and FttC	SoGEA and FttP

## Benefits of **fibre broadband**

Fibre optic cables are thinner, lighter and more durable than copper cables, allowing data to travel at light speed—up to 100 times faster than ADSL. The higher volumes of traffic do not impact download speeds. The seamless data transfer means you can move your business processes straight into the cloud. This is a business-friendly tool for applications, hosting and storing data with easy access to all cloud-hosted resources such as web conferencing, streaming HD video and SIP trunking.

Copper cables are notoriously unreliable. Fibre cables are constructed from glass, so they are not suspect to theft, electromagnetic interference or weathering.

## Benefits of **SIP & VoIP**

With the combination of SIP & VoIP, your phone numbers are no longer fixed to a set location, and your numbers can be available on different devices. Which makes things much more flexible. You can quickly transfer calls to different areas, which is very useful if you have offices or sites in multiple locations or hybrid working in place.

VoIP solutions are also easily scalable to fit your business needs.

## How Can **OCIT** help?

OCIT has consulted for SMEs, large corporations and new large scale developments. OCIT partner with the tier one companies that provide FttP, like BT, Vodafone and Virgin. We fully manage the process from selecting the correct solutions and provider for your business needs, to overseeing the site surveys until the product is installed and working.

### Our process can also include:

- **Audit of current systems:** The first step is to audit your existing systems. This will involve creating a catalogue of everything your organisation has that operates via PSTN, including all hardware, software and processes.
- **Create a defined plan of action:** Once you have received the above catalogue, We will create a clear strategy on upgrading or replacing these systems and who will be involved.
- **Implementation:** OCIT will implement and manage all 3rd party contractors.
- **Test, test and test again:** Test new systems are working according to your business needs.
- **Training:** Get your staff involved by training them on any new systems.

\* **ADSL** = Asymmetric digital subscriber line, **PSTN** = Public Switched Telephone Network (analogue line), **ISDN** = Digital phone line, **SoGEA** = Single Order Generic Ethernet Access, **VoIP** = Voice over Internet Protocol, **FttC** = Fibre-to-the-Cabinet, **FttP** = Fibre-to-the-Premises, **SIP** = Session Initiation Protocol.

