

# The move to All-IP

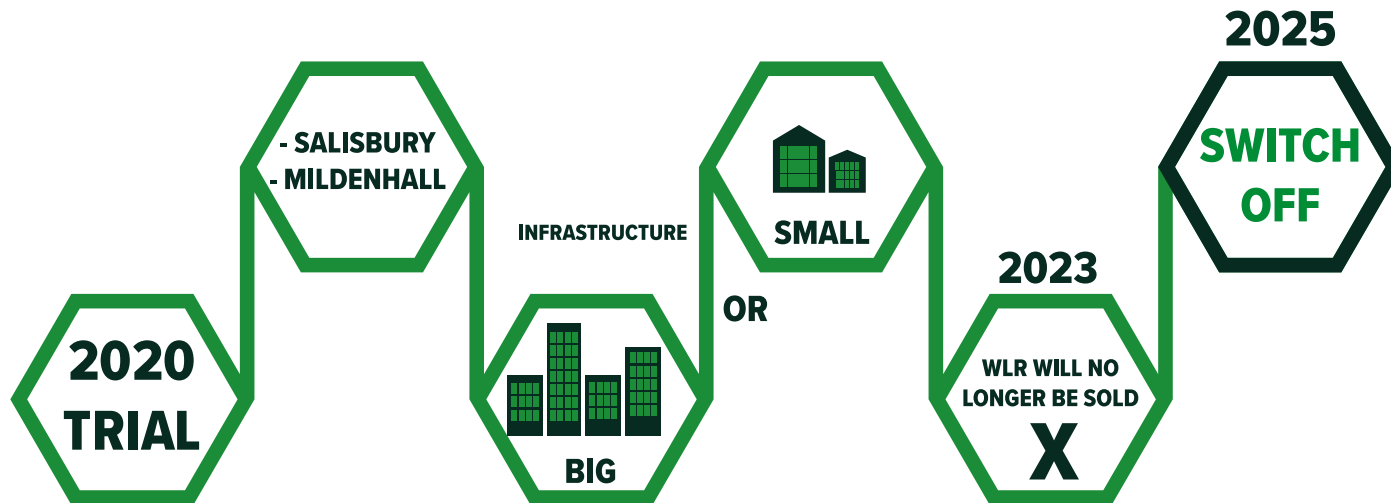


# Understanding the Switch Off

The PSTN/ISDN switch off has been coming for some time now. Back in 2015 the intentions for the switch off were announced by Openreach.

Fast forward to the present day and it's now less than four years until the switch off date, which will come round quickly. We have created this document to give you an overview of what the switch off means and advise you on dates you need to know about.

In this document, we will explain what PSTN is, why it's being switched off, when and how it will affect your business and what you can do to avoid any major disruption to your business operations.



# What is PSTN?

PSTN is the Public Switched Telephone Network which has operated since the 1800s. It's the network that we have used for decades for our land based telecommunications.

Just as many other areas of our daily lives are undergoing change due to advances in technology, it is time for that traditional technology to be updated so that it can match up with the digital landscape and requirements of business today. PSTN is now considered a legacy network and the so the switch off is being planned for a 2025 completion.

## What does this mean?

This means that you will have to migrate your existing telephone system to either hosted voice or VoIP (Voice over Internet Protocol) which uses internet lines to make your phone calls, rather than traditional copper.

Much the same as it is with the switch to personal apps and calls over WiFi, switching your business systems to either of these options will provide you with more features and greater flexibility. There is also a less of a need for need for physical hardware environments, thereby reducing the average cost of infrastructure services and support.

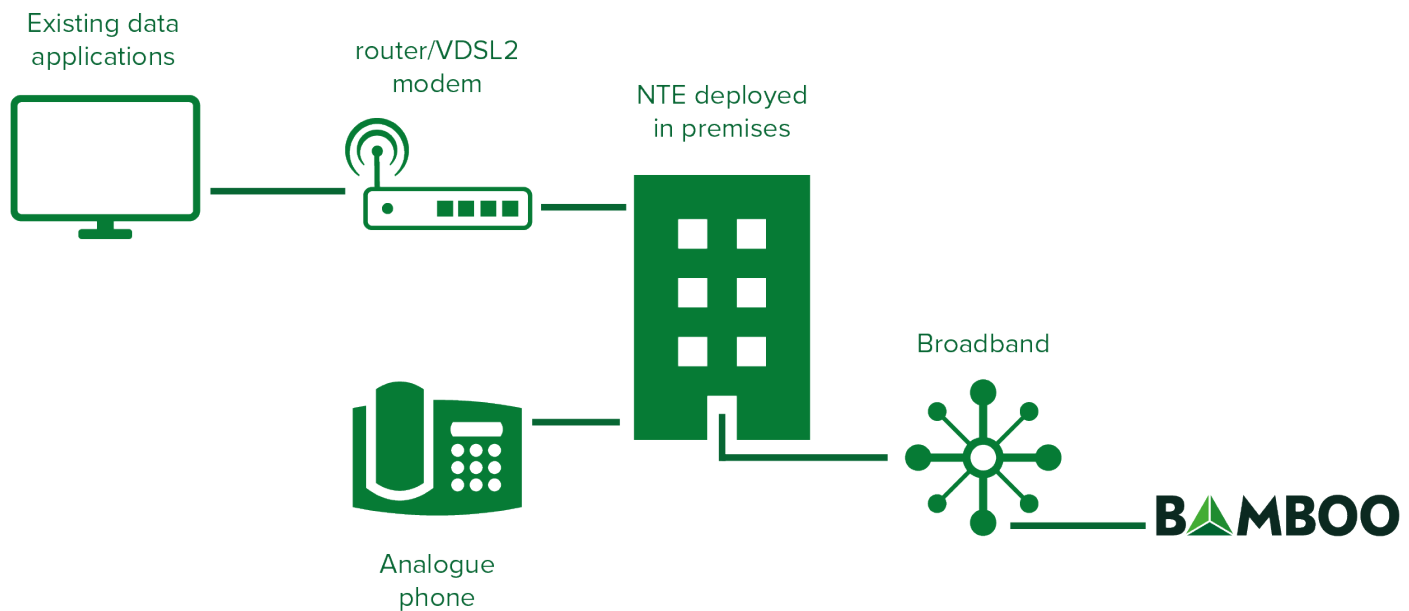


# How things are now...

Broadband services are reliant on the provision of a traditional telephone line.

This means that separate voice and broadband services are delivered to premises to enable data connectivity.

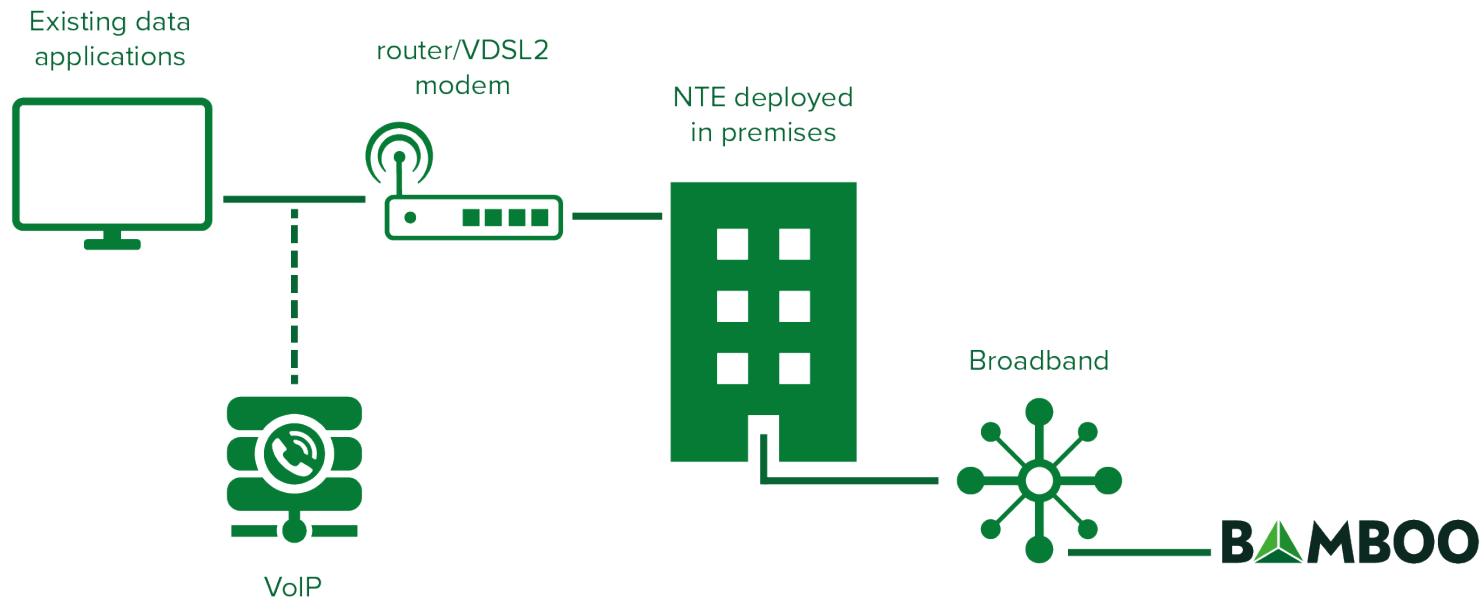
When the voice line has its service ceased, the broadband connectivity is also lost.



# After the switch off

With the move to new technologies and services (Next Generation Services as they are referred to), connections like SoGEA (Single order Generic Ethernet Access) and FTTP (Fibre To The Premise) no longer need the base layer of a WLR/voice connection. WLR (Wholesale Line Rental) is for business what a landline is to residential premises.

Data services are delivered directly to the property. Voice services are available over that service using IP (Internet Protocols).



# How will this affect your business?

The PSTN network will be ceased in 2025, meaning all business will need to move away from fixed line services such as analogue or ISDN lines. These services will simply not be available.

Customers will need to evolve their current telecoms before 2025 in order to have voice services following the switch off.

Now is the time to start talking to customers about migrating their comms to the new technology. Cloud infrastructures that can accommodate hosted telephony or VoIP systems need to be prioritised.

In the lead up to 2025 the traditional exchanges that we've all come to recognise as the green boxes on our streets will gradually be decommissioned for traditional services. Stop sell orders will be implemented meaning customers will be unable to order any new analogue or ISDN phone lines. It also means that new phone lines or channels to existing installations will not be possible.

**Please note:** Once an exchange has been placed under 'stop sell' restrictions, if FTTP is available at the address, then this will be the only product you can connect to. Broadband checkers may indicate that other products and services are available but they will not be able to be purchased when a stop sell comes into force on that particular exchange.





# Industry definitions for All-IP

## **Stop sell**

Change orders and new services are no longer available.

Existing services will continue to operate until stop sell timeframes are concluded.

Stop sell orders will be announced one year before the stop sell comes into forces, giving time to migrate services.

## **Withdrawal**

This means the product has been retired and all services are ceased.

## **Affected services**

- WLR (Wholesale Line Rental)
- PSTN (Public Switched Telephone Network)
- ISDN 2 (Integrated Services Digital Network)
- ISDN 30
- ADSL (Asymmetric Digital Subscriber Line)
- ADSL 2+
- FTTC (Fibre to the Cabinet)
- G.FAST

# More about SoGEA

SoGEA is a data-only broadband solution that is provisioned on a single order. Voice can be activated as an OTT (Over The Top) service through system or router configuration.

You will be familiar with this as a technology as it is based on the current FTTC (Fibre To The Cabinet) technology that uses a combination of copper and fibre technology and also doesn't need a traditional voice/land line for voice services.

SoGEA is available as 40:10 and 80:20 services, at 100GB and unmetered.

There are two installation options – Standard Managed Install and Premium Managed Install.

## How will SoGEA benefit your business?

- Equal speeds to FTTC.
- Cost and installation times are lower than Ethernet-based connectivity technologies.
- Future-proof connectivity to prepare your customers for the move to All-IP.
- Available to 28 million UK premises.
- Migration made simple.
- Simple to sell and simple to support.





## More about FTTP

FTTP (Fibre to the Premise) uses a full fibre connection and offers speeds reaching 330MBps.

The FTTP product uses fibre infrastructure and provides an alternative solution to SoGEA.

FTTP and SoGEA seek to complement each other and as a result, SoGEA and FTTP may both be available within an individual exchange area, but each set of premises will generally only be served by one product or the other.



## Talk to us...

If you have any questions regarding these upcoming changes or you would like to understand a little more about what it means for you, then talk to us.

Email us [hello@bamboo.tech](mailto:hello@bamboo.tech) or call 01242 246 700 to speak to a member of the team.

[www.bamboo.tech](http://www.bamboo.tech)