

# All IP Update

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Openreach

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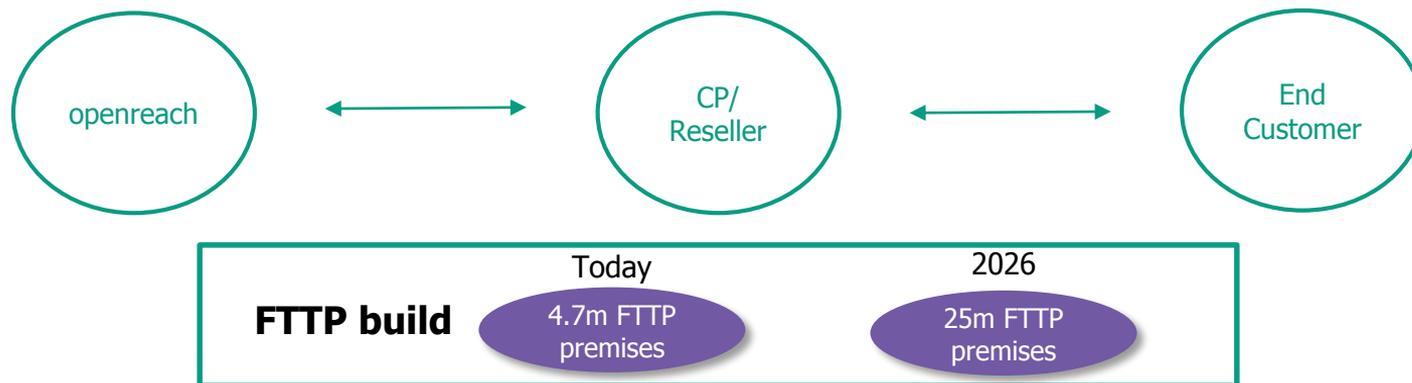
## Who are we?

Openreach looks after the fibres, wires and cables that connect the country. So whether you're making calls, video conferencing with clients, sharing files, downloading music, streaming movies, or indulging in a bit of online retail therapy – it's most likely on our network.

We don't sell phone, broadband or TV services to end customers. Instead, we work on behalf of over 650 Communications Providers (CPs) (such as Sky, TalkTalk, Gamma, BT and Daisy) to maintain the local access network that's available to 31.8 million customers, supporting 300 million telephone calls and 350 million internet connections every day.

We are:

- Investing £3 billion to upgrade our network and £14 billion over the past 10 years
- Making sure that over 28.5 million homes and businesses already have access to superfast fibre broadband of over 30Mbps
- Adding over 42,000 Fibre lines every week.
- Helping Industry prepare for the change



# What is the ALL IP Programme?

There are Three parts to the programme: 1. The withdrawal of the WLR portfolio 2. CP Migration 3. Roll-Out of FTTP

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## WLR Withdrawal

- The UK WLR PSTN network is reaching end of life, and will be shut down at the end of 2025
- The WLR product family is made up of WLR analogue, ISDN 2, ISDN 30 and broadband that runs over analogue lines
- All end customers must move from the withdrawn products before the end of December 2025.

## CP Migration

- All CPs must migrate their customers who use WLR services to either SoGEA or FTTP. Openreach will support CPs with this
- All CPs will work to their own timescales and plans

## Fibre First and Stop Sell

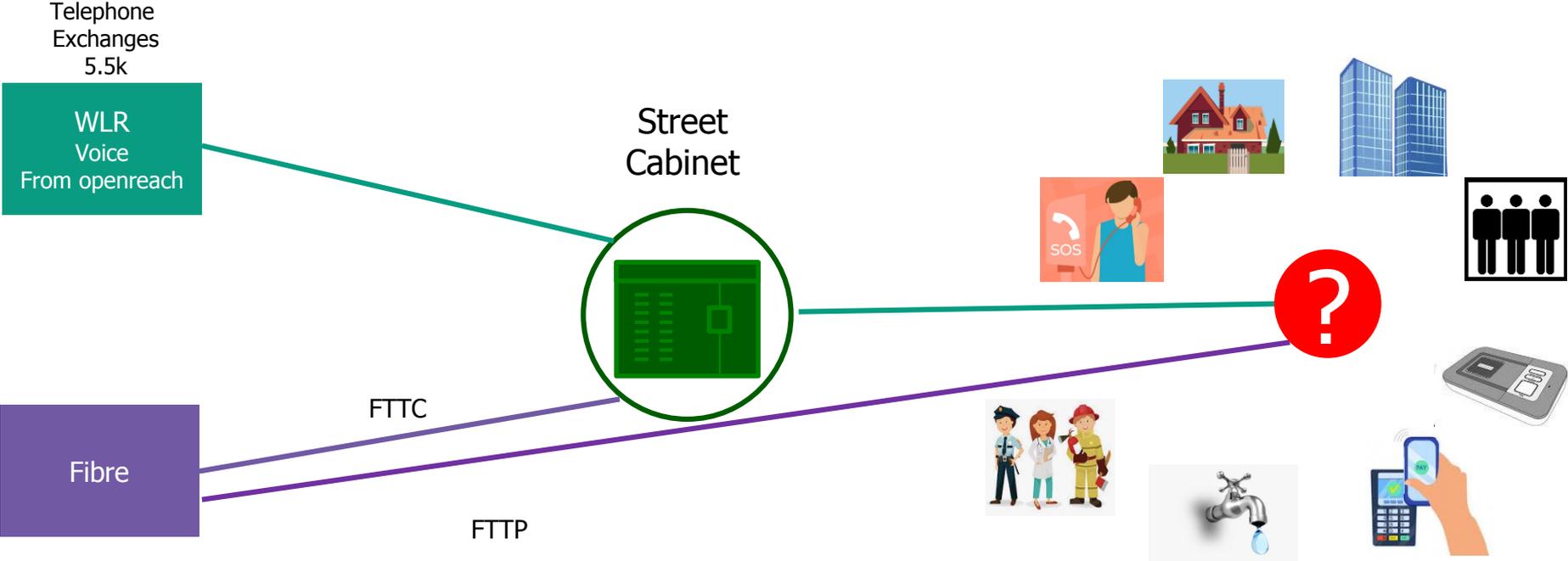
- Currently there are around 15M lines and channels to minimise the scale of migration, a National WLR "Stop Sell" will be implemented in [September 2023](#)
- FTTP is now being rolled out across whole exchange areas on a quarterly notification cycle.
- When FTTP coverage reached 75% of all premises in an exchange area, a "Stop Sell" will come into effect for all copper based services where the premises is enabled for FTTP. 297 Have already been identified and communicated to CPs
- "Stop Sell" means that there will be limitations for new supply and what can be done with existing lines.

## What are the key messages?

- On Dec 31 2025 all lines that rely on copper from the exchange to the cabinet will be disconnected from the exchange equipment
- This will remove power from the line and the ability to make voice calls
- The replacement is either part fibre or full fibre lines
- Migration to All IP (Digital) is done by the Communications Provider according to their own time scales
- Voice calls will take place over VoIP through the router
- Any Special Services (telecare, alarms, lift alarms, telemetry, fax etc) will need to connect to the router
- In the event of a power outage, the line will rely on the router being powered and so local power will need to be provided by the customer
- If you are moved to FTTP (Full Fibre) you will have an ONT fitted to replace your master socket. This will also need power and battery back up
- From September 2023 a national stop sell will go into force and all new connections must be on Full or part fibre lines
- Even now some exchanges are moving to an earlier stop sell date because they have a high availability of FTTP
- If you are in a stop sell exchange area, you can carry on using your analogue services until your Communications Provider migrates you, however you will be restricted on how you can make changes such as home moves and change of supplier. These will need to migrate to FTTP if available at that premises

# What's changing?

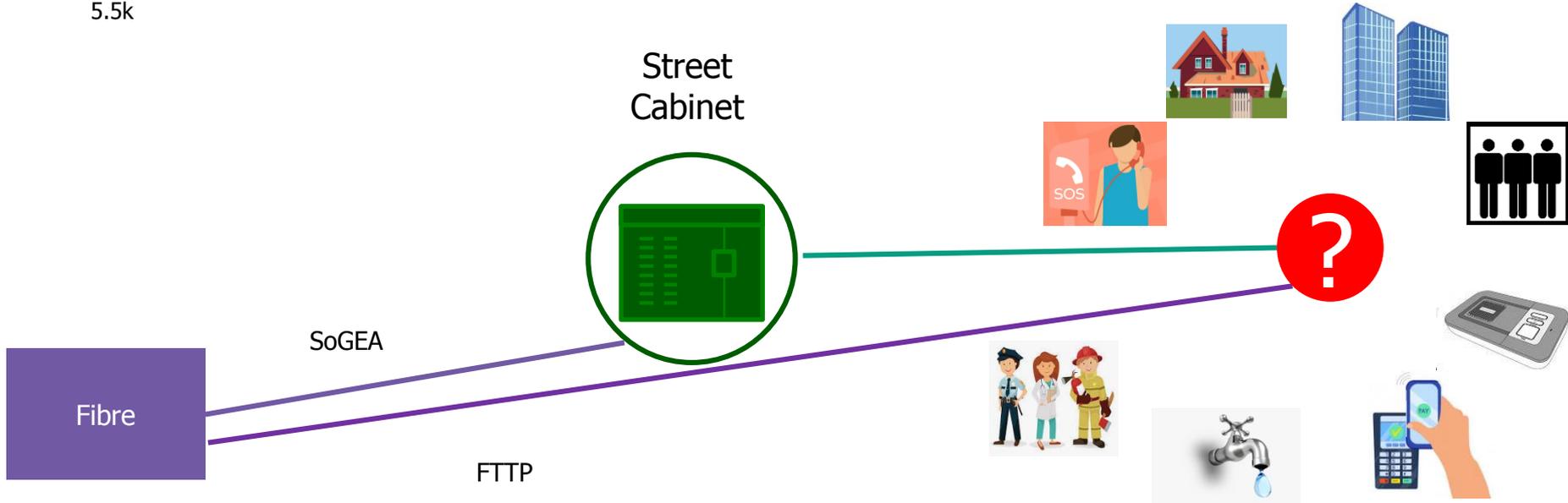
## The Network Today



# What's changing?

## The Network Today

Telephone  
Exchanges  
5.5k



SoGEA = Single Order Generic Ethernet Access

# The impacts of Stop Sell

- Stop Sell restricts the usage of certain products where there is a strategic aim to withdraw the product at a later date.
- Where the strategic product is available at the premises, order restrictions will be applied, prioritising use of the strategic product(s). Exceptions can apply.
- Where the premises has not been enabled for the new technology legacy products will still be available.

The following order scenarios will not be possible for products restricted by the Stop Sell:



New Supply



Working Line  
Takeovers



Start of Stopped  
Lines



Addition of lines and  
channels to existing  
installations



Migrations



CP Transfers



Bandwidth  
Modify



Addition of Broadband to  
Copper Voice Lines

## What products might not work?

If you have products connected today into a telephone line these may not work when the line is changed migrated to ALL IP

Phones  
?

PDQ  
Machines  
?

Alarms  
?

Telecare  
Pendants  
?

Monitoring  
Equipment  
?

Metering  
?

Lift Phones  
?

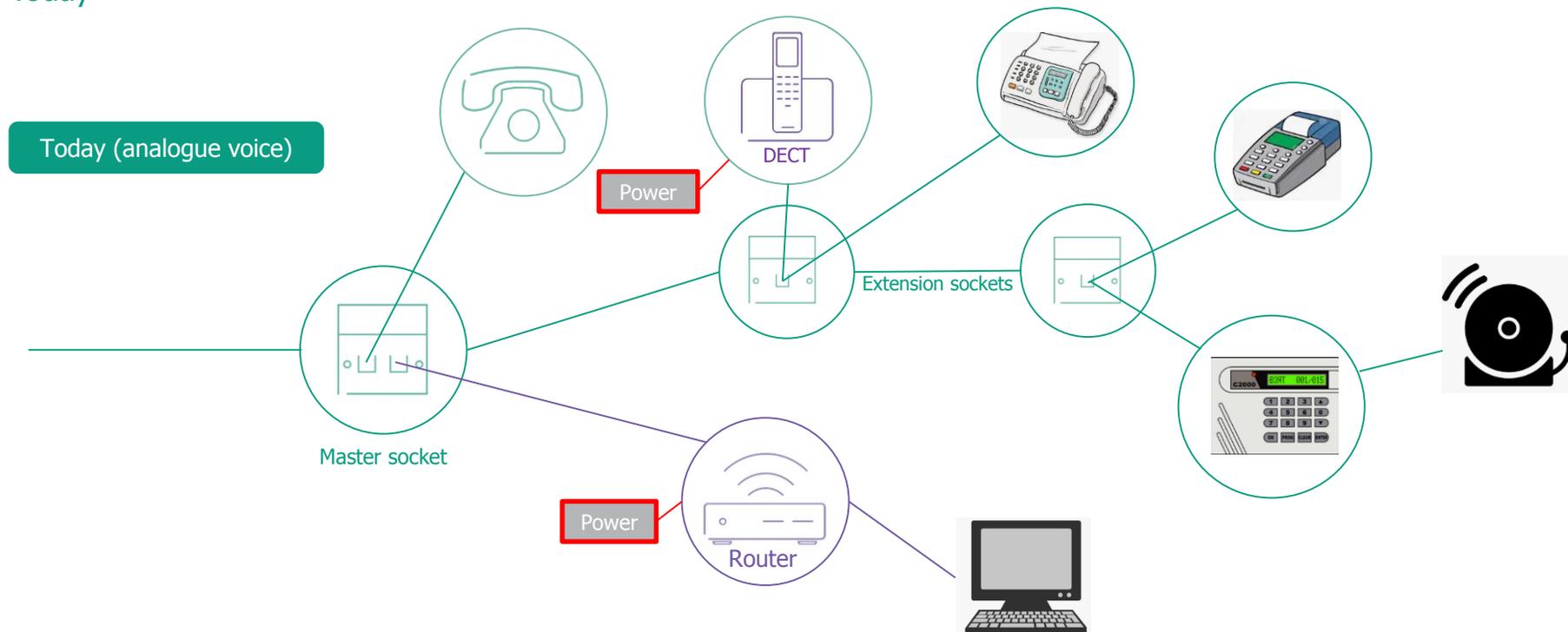
Motorway  
Breakdown  
?

?

You know your business better than anyone. Take the lead in protecting your business and your customers

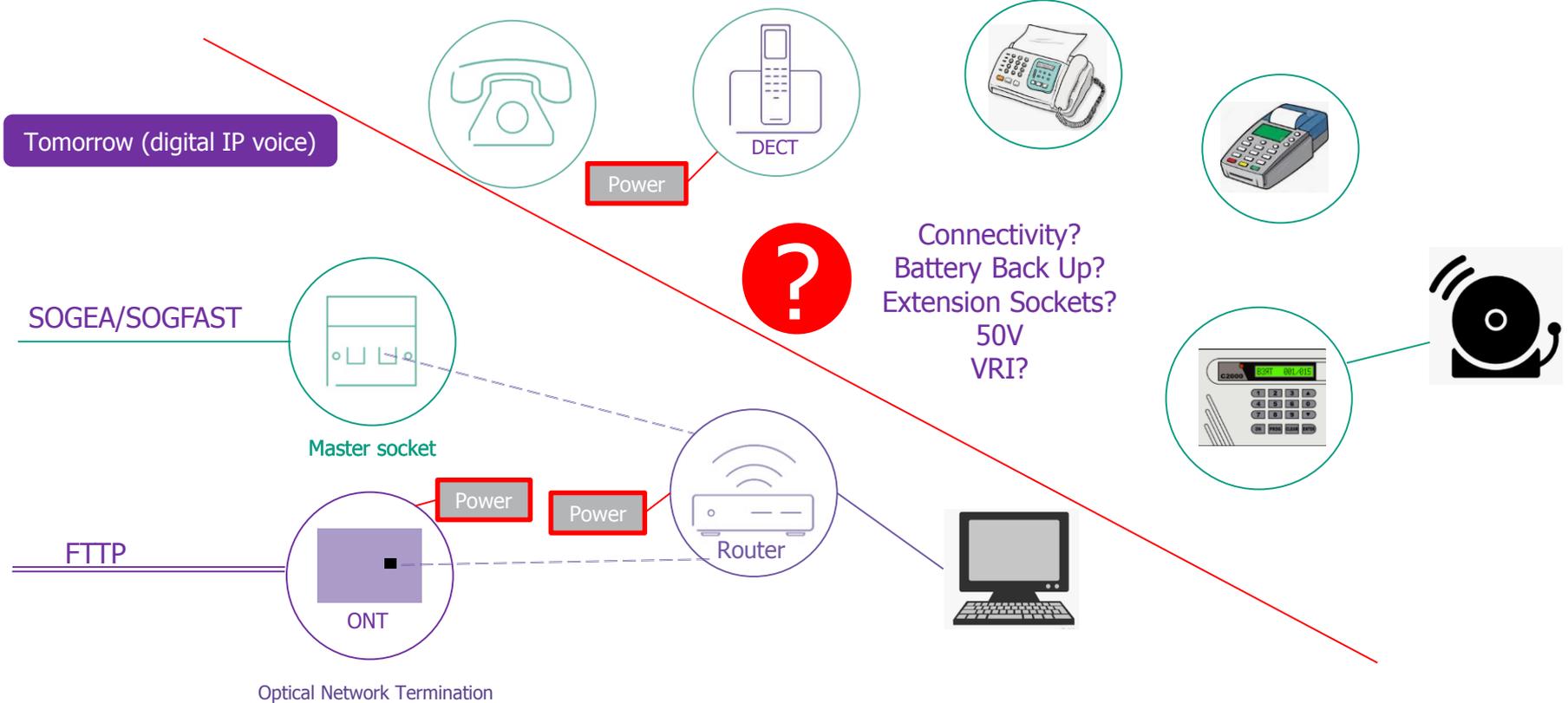
# So what's changing inside the premises ?

Today



# So what's changing in the premises ?

The Future-Services are provided by the Router **not** the wall socket



- Do you have IP Ready devices?
- What devices do you currently use and will they transfer seamlessly to the router?
- Will your CP provide you with an ATA (analogue port) on the back of the router?
- Who will move analogue products you want to continue to use from the wall sockets to the router?
- Will you need to buy separate ATA hardware independently of your CP?
- You will no longer get power provided down the telephone line (50v). Do you devices rely on that today?
- What will you do in a power outage locally? UPS? Battery Back-up?
- Think of your procurement policy and beware of scams

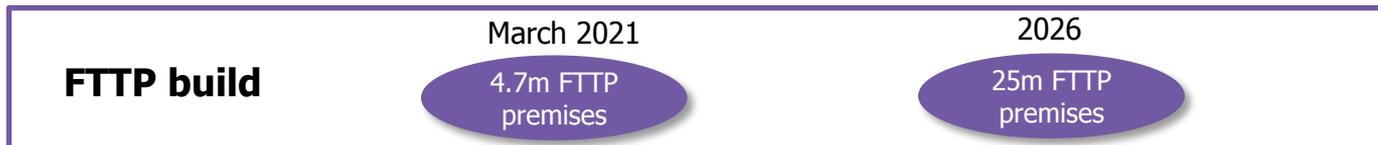
## So, what should I do now ?

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- Think about the services provided over your customer's lines and your own.
- Will they work on an All IP network ?
- What about local powering and battery back-up ?
- What will you say to your customers and when ?
- How will your and your end customer migrations be performed ?
- Plan – there seems to be plenty of time to complete the change, but there is so much to do
- Talk to Communication Providers
- Keep tabs on our Industry Web Site -
- <https://www.openreach.com/upgrading-the-UK-to-digital-phone-lines>
- <https://www.openreach.com/upgrading-the-UK-to-digital-phone-lines/industry>
- Register for our newsletter <https://www.openreach.com/wlr-withdrawal-newsletter-subscription-form>
- Test at our lab (current launch date July 2021)

# Update on progress in transitioning to All IP

## Stop sell locations are growing quickly as FTTP build grows



**Salisbury is now live and we will be announcing additional FTTP Stop sell exchanges every quarter**

**National WLR Stop sell** September 2023

**Salisbury Stop sell implemented** 1 December 2020

**Mildenhall Stop sell implemented** 4 May 2021

**Tranche 4 of FTTP exchange Stop sell** 77 exchanges notified on 29 April 2021

**Ongoing quarterly Stop sell exchange announcements**

**Circa 3 million Premises covered in the 297 notified exchanges**

# Stop Sell Exchanges

## Schedule

Upcoming Stop Sells		
<b>Salisbury Trial</b> (FTTP Priority Exchange)	1 Exchange	Starts <b>01/12/2020</b>
<b>Mildenhall Trial</b> (WLR Withdrawal)	1 Exchange	Starts 04/05/2021
<b>Tranche 1a</b> (FTTP Priority Exchange)	13 Exchanges	Starts 29/06/2021
<b>Tranche 1b</b> (FTTP Priority Exchange)	104 Exchanges	Starts 05/10/2021
<b>Tranche 2</b> (FTTP Priority Exchange)	51 Exchanges	Starts 05/10/2021
<b>Tranche 3</b> (FTTP Priority Exchange)	51 Exchanges	Starts 25/01/2022
<b>Tranche 4</b> (FTTP Priority Exchange)	77 Exchanges	Starts 29/04/2022
<b>National WLR Stop Sell</b> (WLR Withdrawal)	ALL Exchanges	Starts 09/2023
<b>Trial End</b>	Salisbury and Mildenhall	Ends 16/12/2022

# Salisbury and Mildenhall trials

## Salisbury, Wiltshire



### FTTP transition

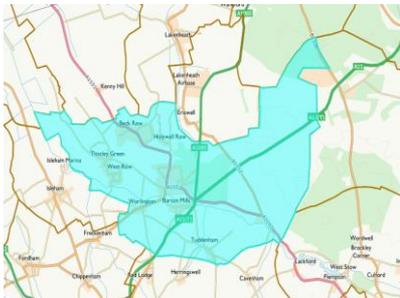
Single exchange area

- 20.5k residential premises
- 1.5k business premises
- The exchange is an OHP
- WLR and MPF will be subject to stop sell

Trial dates are firm:

Milestone	Date
Trials start	6 Jan 2020
Salisbury Products Stop Sell	1 Dec 2020
Mildenhall Products Stop Sell	4 May 2021
Salisbury Products withdrawal	5 Dec 2022
Mildenhall Products withdrawal	5 Dec 2022
Trials Closure	16 Dec 2022

## Mildenhall, Suffolk



### SOGEA transition

- 7.5k residential premises
- 750 business premises
- OHP at Newmarket
- WLR and MPF will be subject to stop sell

Commercial offer in place

## Thanks

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To contact us about the All IP Programme please email

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# openreach

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