

All IP Update

Phil Laws
Openreach

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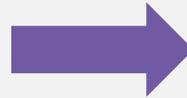


Programme Summary

- The UK PSTN is reaching end of life, and needs to be replaced
- WLR and related products will be withdrawn at the end of **December 2025**
- National WLR stop sell - no new supply from **September 2023**
- Openreach will not provide a voice offering post WLR withdrawal
- All end customers must move from the withdrawn products before the end of December 2025
- >15 Million Lines/channels to be transferred

Products to be withdrawn:

WLR3 analogue
ISDN 2, ISDN 30
LLU SMPF, SLU SMPF
Narrowband Line Share
Classic



'Destination' products:

GEA FTTP
SOGFAST
SOGEA
SOTAP
MPF

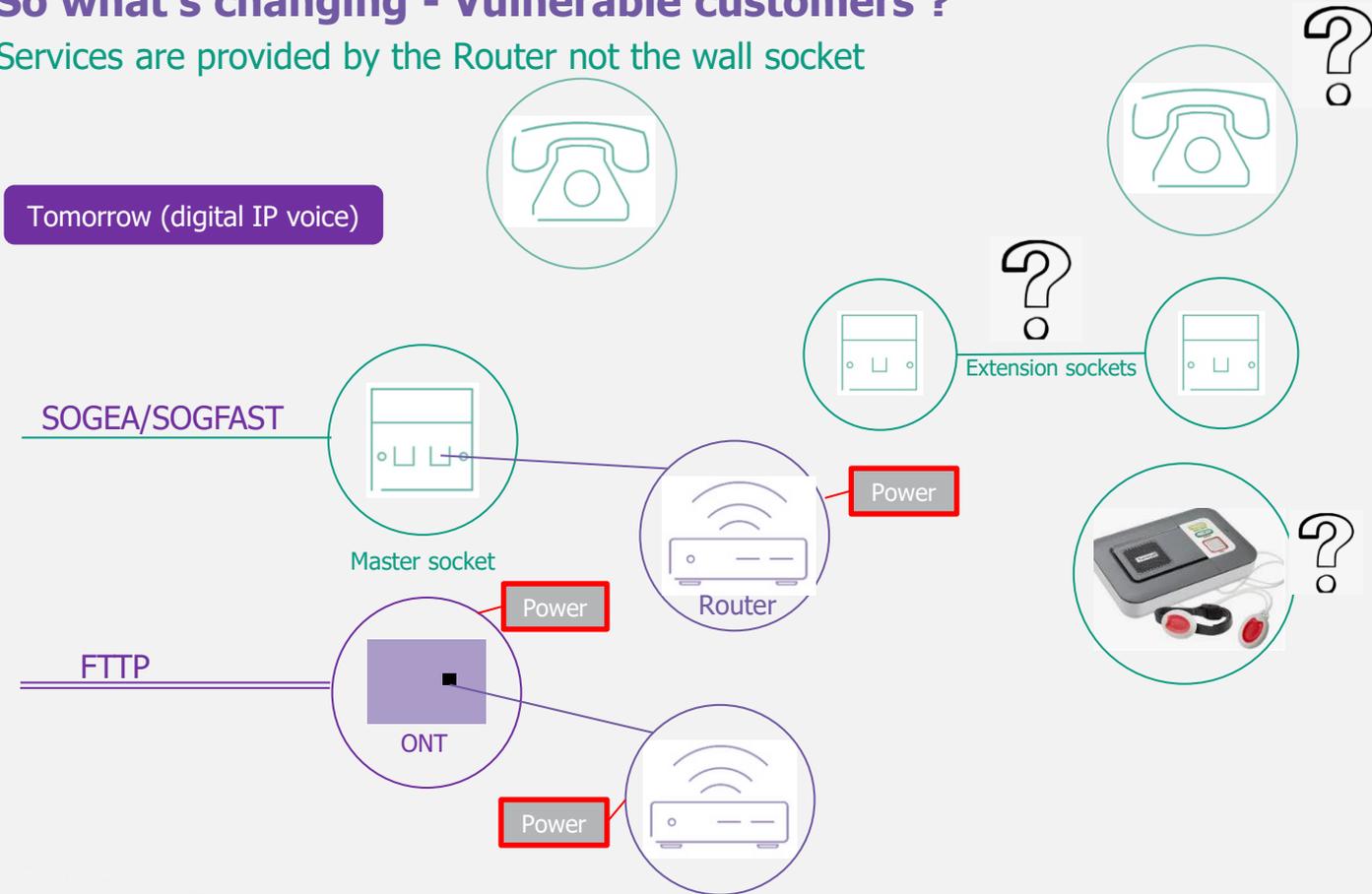
- Industry working groups in place co-chair Office of the Telecommunications Adjudicator (OTA)
- <https://www.openreach.co.uk/orpg/home/products/wlrwithdrawal/wlrwithdrawal.do>

Impact on end customers

- End customers using WLR and related products must migrate to alternative products based on Broadband
- Local powering will be necessary to run services
- End customers need to understand what WLR services they use and for what purpose
- Are any special services running over the lines ?
e.g. EFTPOS machines, alarms, monitoring
 - Will these work on the new access products? Safe is to assume not & test
- Communications providers will be in touch with their customers
 - Ofcom have encouraged CPs to identify & support vulnerable customers

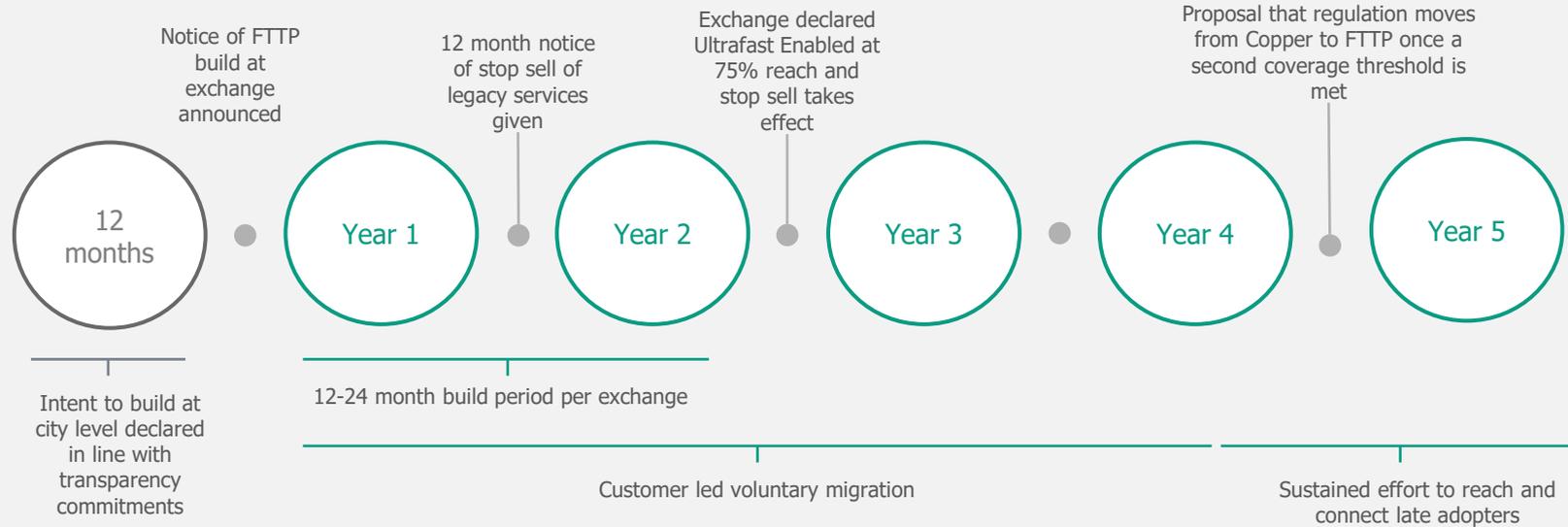
So what's changing - Vulnerable customers ?

Services are provided by the Router not the wall socket



Exchange upgrade programme

A planned 5/6 year cycle per exchange for FTTP deployment and transition



**118 FTTP exchanges are already under stop sell notification
(c. 1.2M premises)**

Update on progress in transitioning to All IP

Stop sell locations are growing quickly as FTTP build grows



Stop sell is fast approaching and we will be announcing additional FTTP stop sell exchanges in October

National WLR Stop sell September 2023

Salisbury 60 days to go Stop sell 1 December 2020

Mildenhall Stop sell May 2021

**118 FTTP exchanges
1.2m premises** Stop sell 29 June 2021

**Next tranche of FTTP
exchange stop sell** 12 month notification October 2020

Ongoing quarterly stop sell exchange announcements

All IP programme update

Products

- SOGEA & FTTP low bandwidth launched
- FTTP premium managed install launch
- Stop sell systems delivery on track
- Emergency restoration of copper and stop sell exceptions published for trials
- Industry best practice guide published
- Fault to fibre proposal shared with CPs

Trial update

- New CP champion approach to trial engagement with several CPs progressing well
- FTTP volumes in Salisbury ramping up

Industry engagement

- Working group well attended >200 participants
- Created a new industry All IP steering group (Joint Openreach/OTA chair) to drive more detailed engagement with smaller group, membership by invitation

Salisbury and Mildenhall trials

Salisbury, Wiltshire



FTTP transition

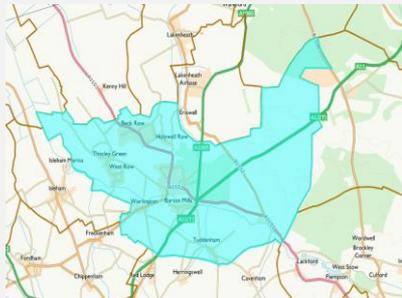
Single exchange area

- 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

So, what to do ?

- Think about the services provided over your & your customers' lines
- 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 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
- Openreach are here to support you

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