

Improving EV Infrastructure Availability

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The Challenge.

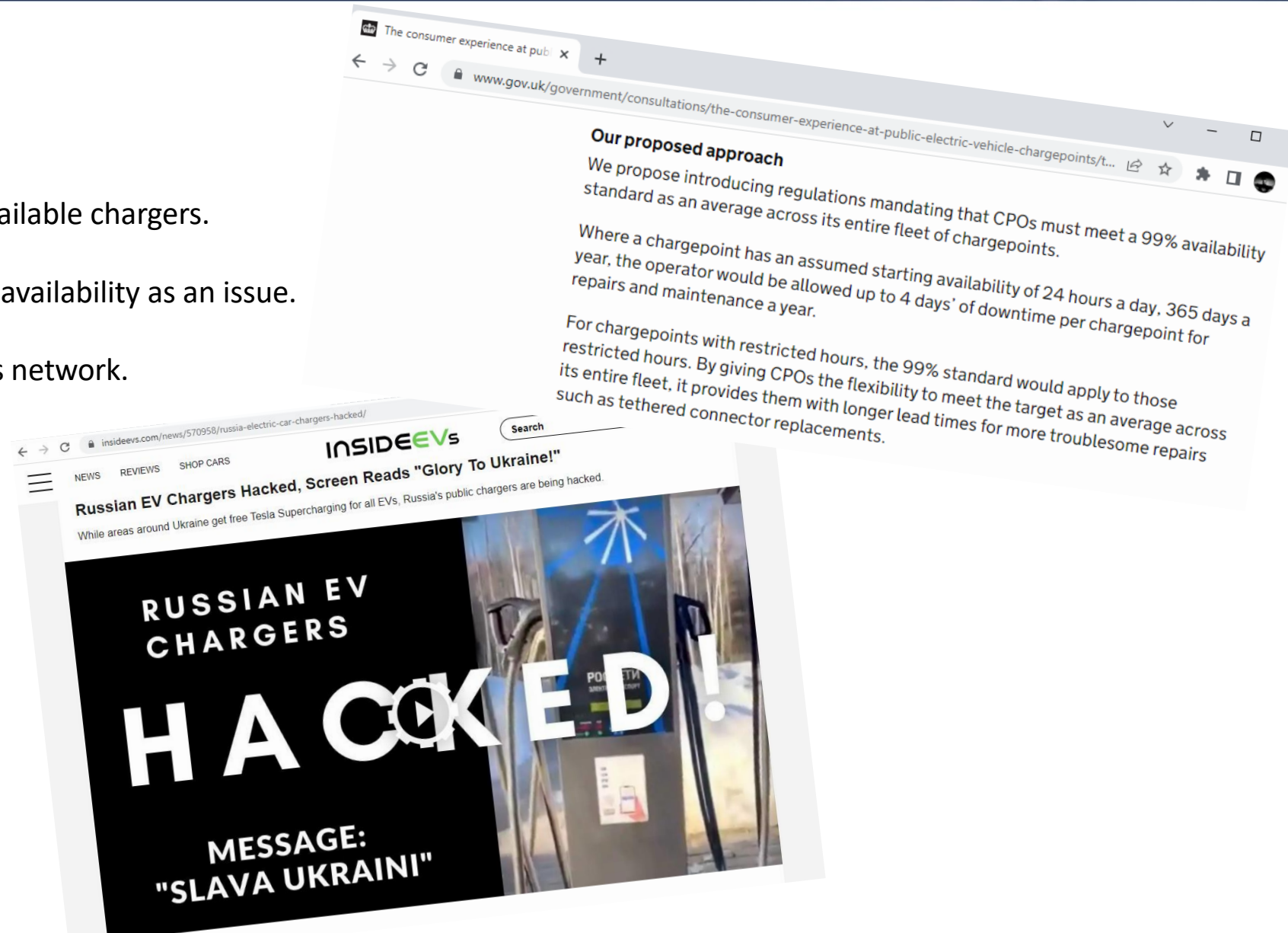
More drivers mean higher demand than available chargers.

The Governments consultation highlighted availability as an issue.

Mandating 99% availability across the CPOs network.

Poor comms is a common issue

- Failed card payment
- Failed charge activation
- No remote support
- Free vend?



Questions to ask your comms provider-

What type of SIM is it?

- Voice/Mobile Broadband - this is for your phone – fair usage policy
- The default is voice/MBB
- M2M / IoT – this is for your EV charger

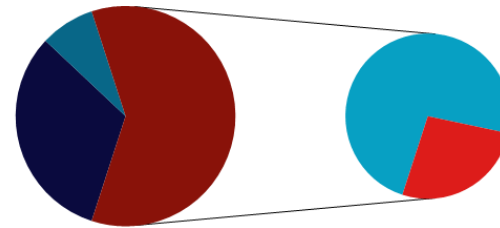
Uptime over last 3 years

- If lower than 99% how will you meet the target in the future?

Minimum security criteria

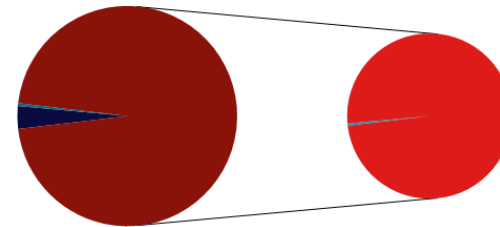
- NCSC Cyber Essentials Plus
- PCI/DSS

MBB Attachment

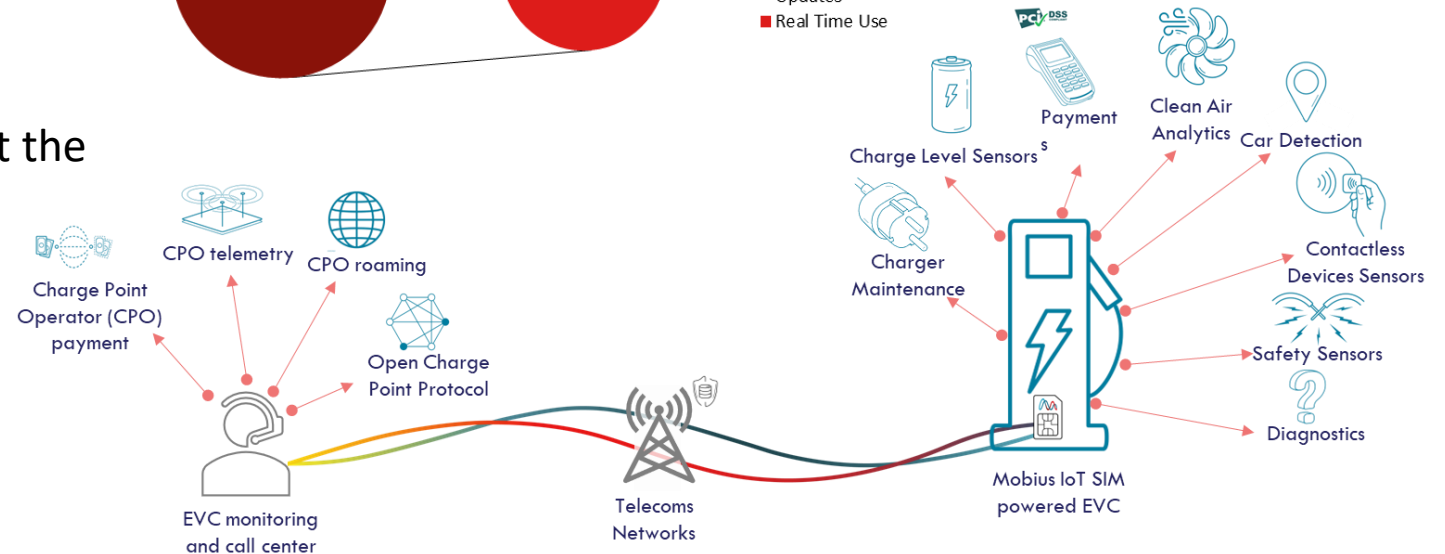


- Signaling
- Not on Network
- Background Updates
- Real Time Use

IoT Attachment



- Signaling
- Not on Network
- Background Updates
- Real Time Use



Things to think about

Millions spent on developing your hardware, the payment gateway, installation...

Communications should be tested with the same vigour

Networks are designed to support phone users

understand how your product is different and work with the networks not against them

Communications security is an issue

It is easier to build a secure system from the ground up than to try and add it in later

Thank you.

For more information come and talk to us in The Merchant Suite or contact me at

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Presentations will be uploaded onto TTF Conference Website within the next 7-10 days

