Voice peering shake up

i.e.

Do we need a world where prefix advertisement comes with a price tag?

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This is how you do it today

- ➲ Country specific E.164 number ranges are allocated by ITU-T to Ficora
- ➲ Ficora suballocates prefix to carrier
- ➲ Carrier announce prefix to everyone else
- ➲ Everyone else provision their routetables
- ➲ Everyone else sends invoice[1]

[1] it's like amplification attack

Remember number portability?

Originating network needs to use routing prefix

➲ Rinse and repeat:

➲ Ficora allocates telco id to carrier
➲ Carrier announce telco id to everyone else
➲ Everyone else provision their routetables
➲ Everyone else sends invoice[1]

[1] yes, again

Price tag (1/2)

Let's say 4 switches at your geo area,
legacy carriers typically charge 5k€ per switch
(per their switch, not your)

⮑ That's min. 20k€ for reachability in one geo-
graphic area (+3583, +3589, +35817, …)

Price tag (2/2)

Want to port-in any +358 number?

What about non-geographic or mobile numbers?

➲ Your price tag just tripled

Wait, we need to fix this first

Modest proposal

Spend your money to real investments

➲ Application for your users
➲ Another application for users
➲ Really nice WebRTC application for your users

➲ SIP proxy, media gateway or whatever your application needs for federation at domain level

Voice needs to learn old tricks from IP peering community

➲ dynamic route updates. like it's 1999

➲ voice LAN along IX infra a la GRX. Yay or nay?

➲ clearing house vs. settlement-free

Plan for reachability

➲ join community
➲ send & receive E.164 routes within community
➲ send & receive URI routes within community

➲ If you need to receive traffic from legacy carriers,
port your prefix to friendly SIP trunking provider

Thank you

Let's talk!

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