



network sunset: making way for 4G and 5G



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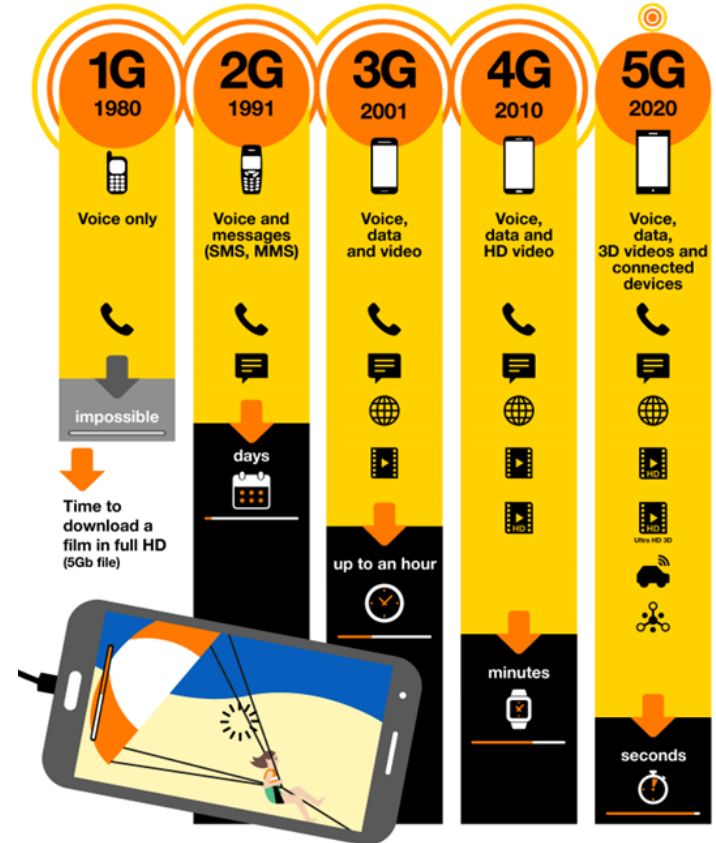
Pascal ROGARD, Director of Orange Brussels Office

Orange public announcement, GSMA MWC, Feb. 2022

- **Orange France:**
 - **2G** by 2025
 - **3G** end of 2028
- **Orange affiliates:**
 - **2G** by 2030
 - **3G** by 2025
- Each Orange affiliate has its own specific timeline varying from one country to the other
- The spectrum used to deliver 2/3G communication networks will be refarmed to support 4/5G technologies.

Natural evolution toward 5G - Ultra-fast and reliable

- Orange 5G available in 6 European countries, and in OPL based on 4G with dynamic spectrum sharing
- Orange 5G complements pre-existing networks as an add-on to 4G capacity
- Will evolve to 5G SA operation and be sliced according to different quality and security levels
- 5G is a game changer for enterprises' digital transformation towards Industry 4.0, smart and resilient urban planning, telemedicine and – consultation etc.



How to make way faster

5G spectrum allocation ASAP

- 5G 3.5Ghz spectrum has not yet been awarded in Poland

Next Generation eCall

- The update of the regulatory framework supporting Next Generation eCall is much delayed and needs to be updated ASAP;
 - We need a NG eCall with a formal regulatory obligation to make Car manufacturers moving
 - Member States need to support PSAPs move to NG 112
 - The update of the ITS Directive mandating a continuation of CS networks is an evolutionary step backwards (See EP amendment)

VoLTE roaming

- 112-call is mandated to operate in the “limited-service” state; even without a formal roaming agreement in place
- By the sunset of all CS-networks in the EU, VoLTE roaming agreements will be widely in place (GSMA WG formed to align network testing of devices)
- Orange is rolling back the sale of CS-only supported devices to make way for 5G services

Thanks