

**“Access ID card” API  
and QoS code of conduct  
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# Arcep's Data-driven regulation extensive toolbox



## Co-construction

- Open data by design
- « Access ID card » API
- « mon réseau mobile » roadmap
- Exploration of data mutualisation



## Mapping

- Monreseaumobile.fr
- Cartefibre.arcep.fr
- Coming next : monitoring service for fixed networks



## Signalling

- Jalerte.arcep.fr
- Occasional surveys

## Crowdsourcing



- Wehe application
- Code of conduct on Internet QoS
- Integration of third party measurements into « monreseaumobile »

## Partnership strategy on data



- Qosi
- SNCF
- RATP

## Regulatory actions

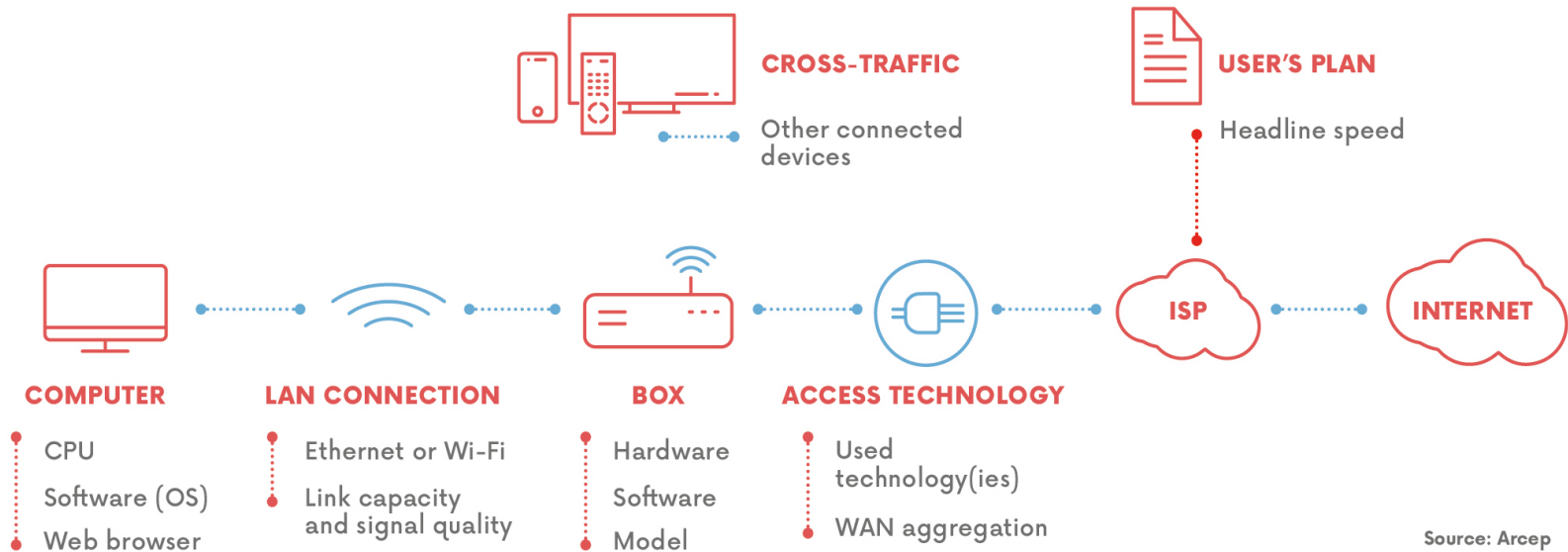


- Data unbundling
- Name and shame
- Formal investigations

**Data-driven regulation**

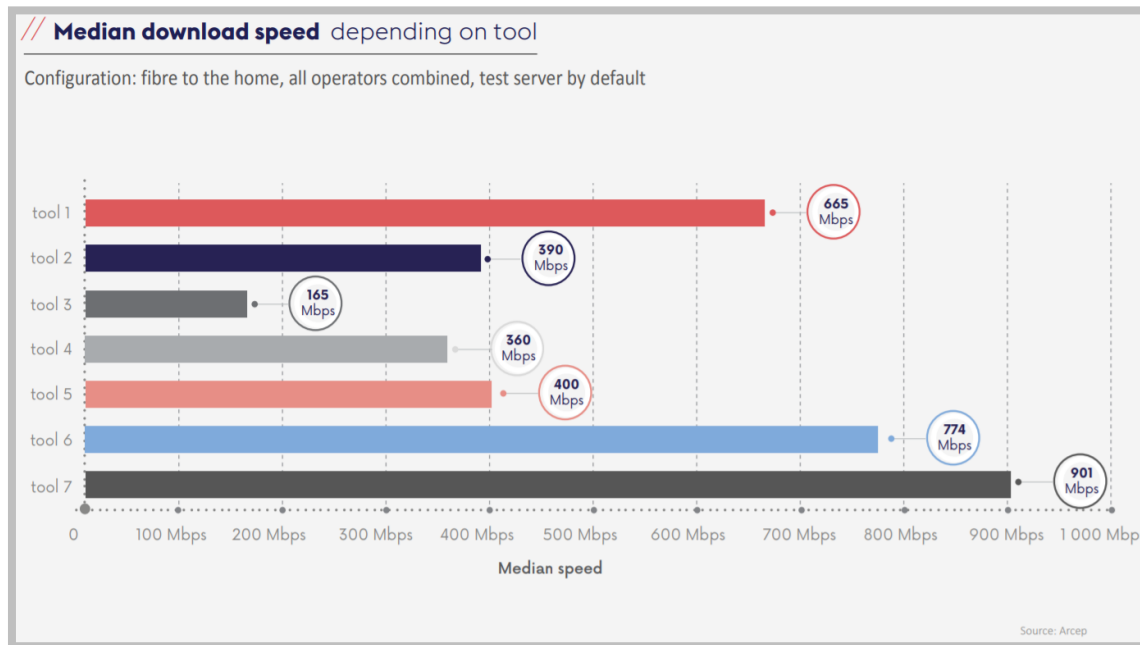
# User environment impact on QoS measurement

## CHARACTERISTICS OF THE USER ENVIRONMENT



# Other influencing factor

- **QoS measurement:**
  - Measurement methodologies
  - Test servers location / configuration

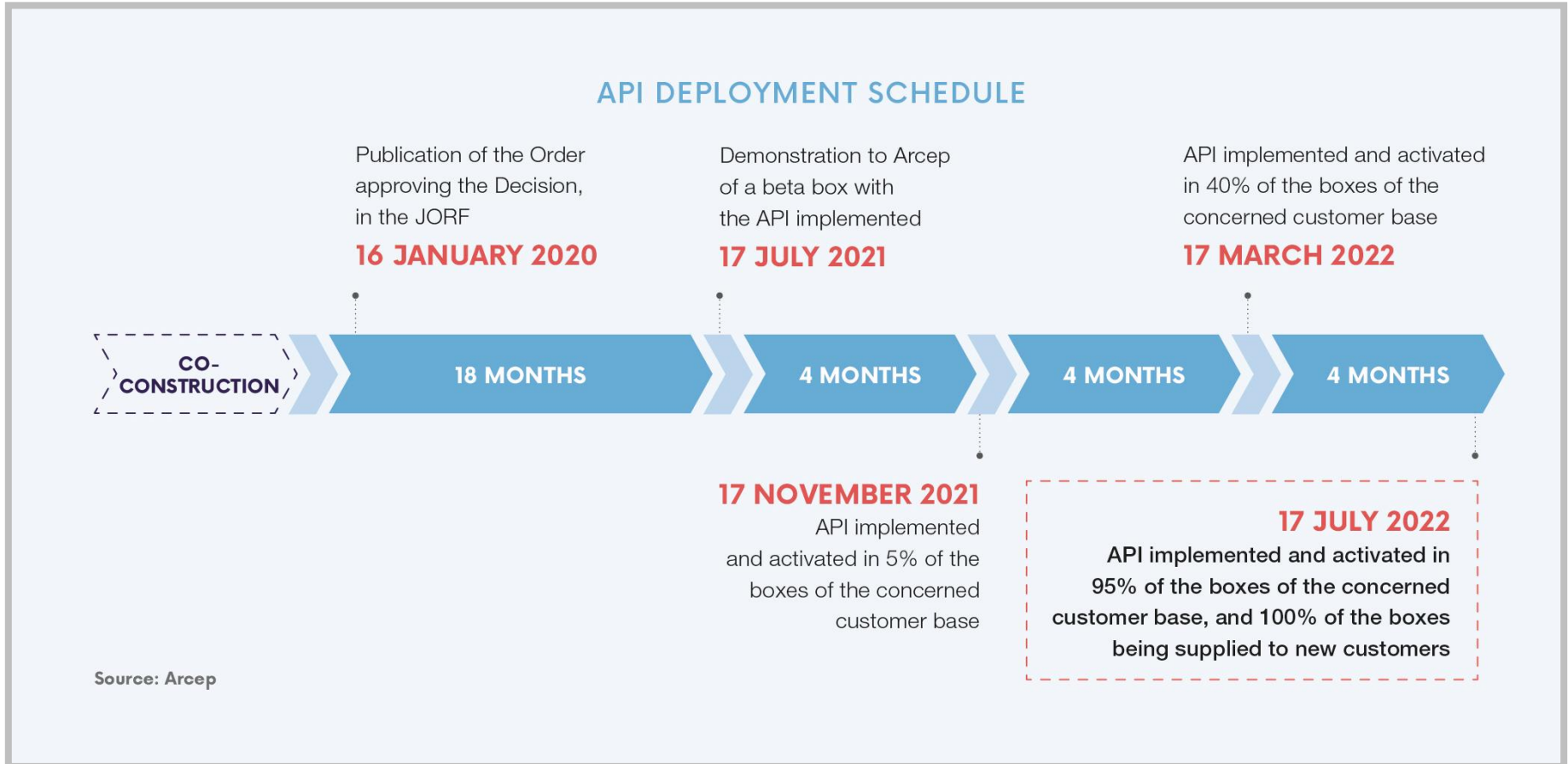


- **Aggregated publication:**
  - Post-processing methodologies of measurements / statistical representativeness

# Co-construction approach

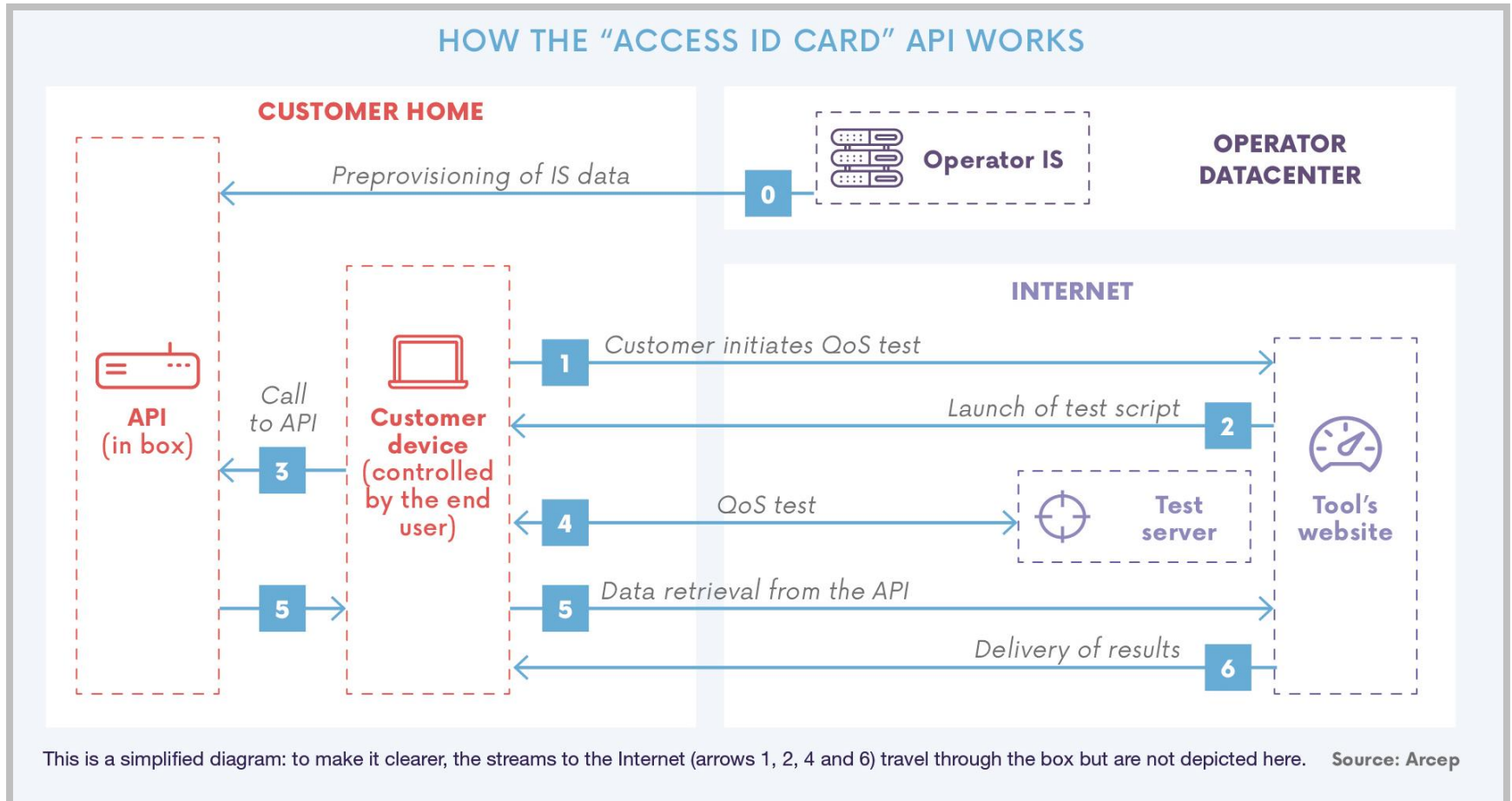


# An API to characterize user environment



Link to [Arcep « Access ID card » API decision \(in French\)](#)

# « Access ID card » API



# « Access ID card » API specifications

## Examples of provided information

- metadata: version of the API, timestamp;
- the advertised speed of the customer's Internet plan;
- type of Internet connection: FTTH, ADSL, VDSL, etc. and whether there is aggregation;
- speed of the connection between the box and the operator-side equipment, and the box and the terminal equipment;
- type of connection between the terminal equipment and the box: Wi-Fi, Ethernet, PLC;
- specifically for Wi-Fi: Wi-Fi version and Wi-Fi signal strength;
- information on cross-traffic: complete number of bytes used on the box between the beginning and end of the quality of service test.

## Secure access to the API

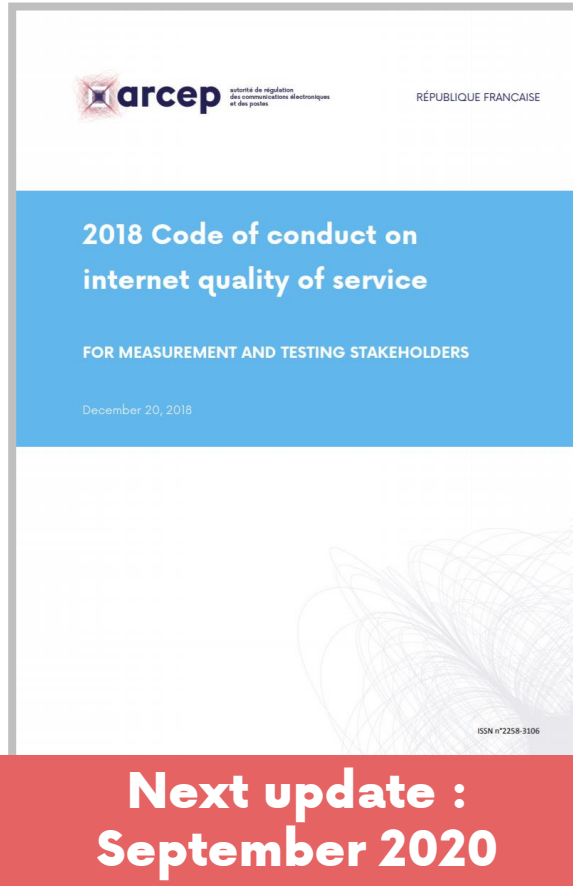
- API only listens to the LAN and does not respond to requests from the internet;
- Access restriction via CORS and Oauth 2.0 with 15 min validity token for authorized tools.



# The publication of a Code of conduct

## TRANSPARENCY CRITERIA

Allow any third party to explain the obtained results



## BEST PRACTICES ASSOCIATED

Collect the most robust possible results

So far, 5 QoS measurement tools respecting the 2018 Code of conduct

*Thank you  
for your  
attention*

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