

# IPv6 for End-Users

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## End-users

- Residential consumers
  - Families
  - Older people
  - Younger people
  - People with disabilities
- What we are when we go home

## Will IPv6 make a difference for end-users?

- End-users are not interested in the “plumbing” or engine-room
- BUT end-users want the best online experience
- Only some people will want to know about the car's engine
- Most people will want a well-designed car

## How do we plan for the best end-user experience?

- RIPE Draft Requirements for IPv6 in ICT Equipment

<https://www.ripe.net/ripe/docs/other-documents/requirements-for-ipv6-in-ict-equipment>

- Based on IETF RFCs
- Need to reduce regulatory complexity and expense
- CPE will benefit end-user if it is designed well

## Will we finally get the Internet fridge???

- Both LG and Samsung have announced “smart” fridges and washing machines
- Mechanical diagnostics
- Alerts on use-by dates of fridge contents
- Built-in screens with various levels of connectivity
- Have smart homes come of age?
- While IPv6 is not essential, it could pave the way for ubiquitous connected devices

## Will these IPv6-enabled devices be accessible and user-friendly?

- Using TV remote controls in the dark
- Using a mobile phone on a noisy street
- Do you feel temporarily disabled?

## Universal design (also called Inclusive Design)

- Designing products for end-users that meet the needs of more people in the community including older people and people with disabilities
- Seven principles of Universal Design

<http://www.universaldesign.ie/explore&discover>

## Examples of inclusive design

- Large buttons
  - good for men with big fingers or wearing gloves AND for person with arthritis, limited motor control or vision loss
- Large displays and good contrast
  - good in low light conditions AND for person with vision loss

## Examples of inclusive design

- Good sound quality
  - good in noisy environments AND good for people with hearing loss
- Intuitive navigation systems
  - good for people needing to make fast decisions AND for older people

## Towards more inclusive design

Thank you!

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