



RADIO DEVICE REGULATION: DOES NOT WORK FOR US

Max and Jiska from TU Darmstadt, SEEMOO

BACKGROUND

- EU Directive 2014/53/EU: **New rules** for radio devices (Routers, Smartphones, ...)
- Implemented as “**Funkanlagenengesetz**” (FuAG) in Germany
- Draft law released by BMWi a few months ago
- Will be in the **Bundestag** soon™ - this is where we fix it



“Perla schwört auf Siemens Router” by Robert Agthe – licensed CC BY 2.0 – <https://www.flickr.com/photos/polarity/3454832833>

DOES NOT WORK FOR US

- **Prevent installation** of non-certified (i.e. 3rd party) firmware on certain devices (Freifunk?)
- No proper exception for **research and teaching**
- German law is **stricter** than the EU directive requires, banning operation of modified devices
- May also impact **SDRs**



Untitled image by Hans - public domain -
<https://pixabay.com/en/cat-cards-play-card-game-55509/>

POTENTIAL OUTCOMES

- No more **modifying off-the-shelf hardware** for projects?
- No more **operating modified systems**?
- No more **SDRs**?



Untitled image by GoranBGD – public domain –
<https://pixabay.com/en/cat-animal-domestic-hunt-roofs-1857404/>

WHAT TO DO

- A **joint statement** of different research groups
- Ask for **specific changes** that would fix some of the problems
- Not everything can be fixed at the German level :(
- But: if we can **open up the German law** a bit, it's a good starting point



Untitled image by dimitrisvetsikas1969 – public domain – <https://pixabay.com/en/cats-stray-in-a-row-three-cute-1753883/>

HOW TO JOIN

- Are you **working** in a **research group**?
- Contact 33c3@seemoo.de
- We have info material and the text of the statement at the **Chaoswelle** assembly in front of Hall 2, or online at seemoo.de/euradio
- Or **talk to us** directly



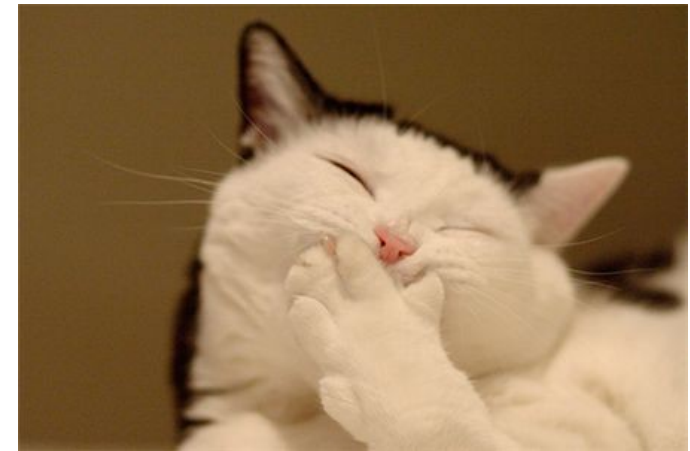
Untitled image by JaStra - public domain -
<https://pixabay.com/en/cat-tiger-mieze-pet-animal-1529520/>

I'M NOT A RESEARCHER... HOW CAN I HELP?

- German national? Write to your representative, esp. if they are in the **Ausschuss für Wirtschaft und Energie**
http://www.abgeordnetenwatch.de/wirtschaft_und_energie-1122-1323.html
- From another EU country? Check and fix **your local implementation** of 2014/53/EU
- From the US? Fix the related **FCC regulation**
- From somewhere else? **Sit back and laugh**



"Keyboard cat" by Cassandra Leigh Gotto - licensed CC BY-NC 2.0 - https://www.flickr.com/photos/threecheersformcr_xo/5340309206



"Cat laughing" by Rikki's Refuge - licensed CC BY 2.0 - https://www.flickr.com/photos/rikkis_refuge/5016931339