

Please do not limit the ability of citizens to modify the software installed on their electronics. This stature would limit the population in a number of ways:

Wireless networking research depends on the ability of researchers to investigate and modify their devices.

Americans need the ability to fix security holes in their devices when the manufacturer chooses to not do so.

Users have in the past fixed serious bugs in their wifi drivers, which would be banned under the NPRM.

Billions of dollars of commerce, such as secure wifi vendors, retail hotspot vendors, depends on the ability of users and companies to install the software of their choosing.

Mesh networking which helps first responders in emergencies, also helps provide anonymity, creates a backup/alternative communications network, will become more difficult than it needs to be with these new rules.

Users should be able to manipulate and control all aspects of their devices.

The ability to run fully open source software on your devices will be severely hampered and possibly impossible with these new rules.

These new rules will make it extremely difficult if not illegal, to make an open source baseband for cellphones to prevent rogue towers like Stingrays. It will also harm any attempts to build open source cell towers and systems.

Please Do Not Reply To This Email.

Public Comments on Equipment Authorization and Electronic Labeling for Wireless Devices:=====

Title: Equipment Authorization and Electronic Labeling for Wireless Devices

FR Document Number: 2015-18402

RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: David

Last Name: Potter

Mailing Address: 3325 East Texas Street 254-F

City: Bossier City

Country: United States

State or Province: LA

ZIP/Postal Code: 71111

Email Address: pott2396@gmail.com

Organization Name: null

Comment: This proposed FCC rule is just a POWER GRAB by those who do not wish to see the Linux operating system installed on computers, or MESH NETWORKS being created. It will serve absolutely no other purpose.

The Linux operating system is a FREE operating system, that people can download from the internet. As a normal part of it's operation, it makes necessary modifications to Wifi routers. The laptop that I am writing to you from, uses a Linux operating system, and a Wifi that has been changed from it's factory specifications, to accept the Linux operating system. Without these changes, which in no way interferes with any other Wifi in the area, it would be impossible for my computer - using the Linux operating system - to connect to the internet by using WiFi. So I suspect that at least one of the groups that would be opposed to Linux, would be the software manufacturers. And specifically, the group of software manufacturers that create propriety operating systems, like Windows. But it is also possible, that the telecoms would be opposed to this, since the Linux operating system can be used in ways that Windows can not be, in the creation of mesh networks.

Mesh networks, are likely opposed by the same telecom industries that oppose net neutrality. These are basically small wireless networks, that can operate independently of the internet as a whole, but which also have the ability to to bring the internet to a small town. Mesh networks operate by using modified WiFi routers, to relay a single internet connection over multiple WiFi routers, over a given area. This area could be the size of a small town. If a mesh network is installed in a small town, that entire town acts as a small node within the larger internet. In other words, it gives small towns the ability to become their own internet providers, in direct competition with the telecoms.

Changing the rules for WiFi routers would be counterproductive for computer owners using Linux, and absolutely disastrous for small towns that might wish to install a mesh network, in direct competition with the telecoms. It is my opinion that since the major telecoms could not win a victory in the net neutrality rulings, that they are NOW going after the specific types of hardware, and hardware modifications, that could be used to directly compete with them.

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Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Alex

Last Name: Noto

Mailing Address: 1506 N 59th St

City: Omaha

Country: United States

State or Province: NE

ZIP/Postal Code: 68104

Email Address:

Organization Name:

Comment: I strongly disapprove of this proposed rule. It restricts my right to modify my personal property. I am a Linux and open source user, and I'm concerned this proposal will limit my ability to modify my operating systems on my computers. I do not support this measure.

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Submitter Info:

First Name: Damien

Last Name: Esposito

Mailing Address: 18 Palmer Rd Unit 23

City: Monson

Country: United States

State or Province: MA

ZIP/Postal Code: 01057

Email Address: d-espo@comcast.net

Organization Name: University of Massachusetts UITS

Comment: Allowing consumers to install software of their choosing on wireless computing devices is vital to encouraging innovation and consumer choice. Many times companies will cease ongoing support development for their products after 1-2 years following their release, and without user-generated fixes, many of these devices will be left with un-patches security and performance issues for the remainder of their lifespans. Many important improvements which are eventually adopted industry-wide also originate with open source user generated software projects.

Allowing consumers to install software of their choosing on wireless computing devices is vital to encouraging innovation and consumer choice. Many times companies will cease ongoing support development for their products after 1-2 years following their release, and without user-generated fixes, many of these devices will be left with un-patches security and performance issues for the remainder of their lifespans. Many important improvements which are eventually adopted industry-wide also originate with open source user generated software projects.

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Submitter Info:

First Name: paul

Last Name: hizo

Mailing Address: 2106 mccormick road

City: west lafayette

Country: United States

State or Province: IN

ZIP/Postal Code: 47906

Email Address:

Organization Name:

Comment: please don't

please don't

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Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Zachary

Last Name: Persson

Mailing Address: 8 Clark Street

City: Danvers

Country: United States

State or Province: MA

ZIP/Postal Code: 01923

Email Address:

Organization Name:

Comment: Public servants of the Federal Communications Commission,

It is with great concern that I write you today regarding the latest proposal to restrict free use and research by private citizens of alternative wireless and computing systems.

The ability for private citizens alongside, but not in conjunction with, federally approved researchers to conduct their own research and use of any and all methods of electronic communication is paramount to the future progress of technological advancement of this very necessary field of technology.

On the subject of liberty it is not at all acceptable that, given we live in a free society, our use of technology should be dependent upon federal approval of certain manufacturer's technology nor should our separate but intersecting third party devices be limited by some arbitrarily concocted regulations. It is not within the federal government's powers or mandate to codify specific software and hardware solely on the basis that it lies outside standard mainstream consumer products. Further, information security is paramount in today's world and often alternative operating systems offer a higher degree of internal systems security not found in most popular and conventional forms of consumer products. The FCC could find itself in quite a precarious position should a large number of citizens find their data in the hands of unscrupulous individuals which could have been averted were they able to use alternative technology systems but were denied due to the FCC's own regulatory measures.

Americans must also be able to secure their own data when the companies we rely on abstain from patching their own security flaws. That the FCC would be considering a proposal which could leave private citizens at the mercy of individuals operating outside the boundaries of the law is worrisome to say the least and in the past it has often been the case that privacy gaps and security flaws in wireless hardware which transmits sensitive data has been fixed as a result of the efforts of private individuals. This and many similar actions would be banned under the NPRM.

The FCC may also run afoul of the First Amendment to the Constitution by limiting those citizens who seek to use alternative methods and hardware to transmit wireless data as a matter of political principals and the desire to express political dissent through legitimate consumption practices. The NPRM would stifle this very legitimate speech, protected under the First Amendment, and may find itself on the wrong side of Constitutional Law and Supreme Court precedent.

I hope my words have not been met by deaf ears and the Federal Communications Commission takes seriously the implications of this very dangerous precedent being set should this regulatory measure come into effect. I am confident in the FCC's ability to make the right choice by setting aside this regulatory measure and hanging it up in the "extremely

bad" category of regulatory ideas.

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Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Nathan

Last Name: Rimolde

Mailing Address: 3106 County Road 5

City: Barnum

Country: United States

State or Province: MN

ZIP/Postal Code: 55707

Email Address:

Organization Name:

Comment: Thank you once again for taking comments from the public. I am writing this to ask that you oppose rules that would prevent installation of custom software and operating systems on computer systems.

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Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Curtis

Last Name: Pittard

Mailing Address: 13702 Stallion Way

City: Midlothian

Country: United States

State or Province: VA

ZIP/Postal Code: 23112

Email Address: CurtisPittard@gmail.com

Organization Name:

Comment: Salutations to whom it may hopefully concern,

This is a note urging you folks to not implement rules that take away the ability of users to install the software of their choosing on their computing devices. Putting aside the elephant in the room regarding ownership and focusing only on brass tacks:

Wireless networking research depends on the ability of researchers to investigate and modify their devices.

Americans need the ability to fix security holes in their devices when the manufacturer chooses to not do so.

Users have in the past fixed serious bugs in their wifi drivers, which would be banned under the NPRM.

Billions of dollars of commerce, such as secure wifi vendors, retail hotspot vendors, depends on the ability of users and companies to install the software of their choosing.

Regards,

Curtis Pittard

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Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Matthew

Last Name: Copeland

Mailing Address: 4161 Blackjack Oak Dr.

City: Lawrence

Country: United States

State or Province: KS

ZIP/Postal Code: 66047

Email Address:

Organization Name: null

Comment: I am against the proposed rule to no longer allow end user updates to software defined radios. I work in Information Technology. The vast majority of device manufacturers are not timely in providing security fixes to device or properly providing security hardened devices in the first place. IT Workers and home end users will often flash a new firmware onto these devices to both harden the devices and provide additional software functionality. In some cases, the manufacturer has faulty software with regards to the radio portions of the code, which only get fully fixed by utilizing a third party firmware solution. This firmware replacement has even been encouraged by some of the manufacturers and by many industry experts.

As a software developer, I can tell you that a great deal of the development work that is done within this segment of the industry for moving things forward is performed by independent software developers, who flash the new software they are working on to an existing router. Manufacturers utilize this work done by individuals in the products they create. This rule would wipe out the capability to do this kind of work within the United States. I work at a University, which causes me to think about what the impact would be in this setting. Since a large amount of research is done by private individuals and academics in the United States in this area, this rule would have a large and negative impact on the ability of the industry to move forward. Thousands of scholarly articles on wireless networking technologies specifically reference open and modifiable hardware. If all of the work must be done by manufacturers, then we can expect prices to increase as costs rise for manufacturers. This rule will also cause a shift for expertise and development of new technologies to leave the United States, which I don't think we want at all.

Please find a better way to reach your original objective that does not include restricting companies and individual user's from replacing the software within networking equipment.

I am against the proposed rule to no longer allow end user updates to software defined radios. I work in Information Technology. The vast majority of device manufacturers are not timely in providing security fixes to device or properly providing security hardened devices in the first place. IT Workers and home end users will often flash a new firmware onto these devices to both harden the devices and provide additional software functionality. In some cases, the manufacturer has faulty software with regards to the radio portions of the code, which only get fully fixed by utilizing a third party firmware solution. This firmware replacement has even been encouraged by some of the manufacturers and by many industry experts.

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Submitter Info:

First Name: John

Last Name: Roselli

Mailing Address: 301 E Leamy Ave.

City: Springfield

Country: United States

State or Province: PA

ZIP/Postal Code: 19064

Email Address:

Organization Name:

Comment: Consumers must be permitted to modify the devices we are purchasing as we please. Requiring manufacturers to solely be responsible for keeping them secure would be an illusion due to this failure already existing.

Thank you.

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Submitter Info:

First Name: Kenneth

Last Name: Bumgarner

Mailing Address: 4868 Thoreau Drive

City: Conover

Country: United States

State or Province: NC

ZIP/Postal Code: 28613

Email Address: alanb@charter.net

Organization Name: null

Comment: I am absolutely against any restrictions like is proposed in "Equipment Authorization and Electronic Labeling for Wireless Devices" rule. As a consumer I should have the right to do what I want with hardware that I have purchased. In fact I feel very strongly that my rights as a consumer should go much further than this. It should include cell phones, tablets, and other such electronic devices. I should be able to install and run any software that is compatible if I so choose.

Again I am against this proposed rule.

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Submitter Info:

First Name: Steven

Last Name: Modica

Mailing Address: 10021 Barnes Trail

City: Inver Grove Heights

Country: United States

State or Province: MN

ZIP/Postal Code: 55077

Email Address: modica_steven@bah.com

Organization Name: Booz Allen Hamilton

Comment: Please do not implement rules preventing people from installing custom software (even software defined radio software) on these devices.

I'm an embedded developer that does prototypes for the US Army. Loading software like openWRT or Android onto a piece of COTS hardware is often the best and easiest way of testing a simple concept. If you lock all of this hardware down, it will become very difficult to do testing like this since we'll either have to build custom hardware, or vendors will have to make "non-commercial" development equipment that will be much more expensive.

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Submitter Info:

First Name: Justin

Last Name: Mitzel

Mailing Address: 7605 Lakeside ave

City: Harrisburg

Country: United States

State or Province: PA

ZIP/Postal Code: 17112

Email Address: mitzeljg@gmail.com

Organization Name:

Comment: It seems kind of absurd to lock down pretty much every computer device in the US just to stop something that hasn't been that big of a problem in the 15 odd years we've had consumer wi-fi devices.

I've also seen some really good arguments on why not to do this including:

Wireless networking research depends on the ability of researchers to investigate and modify their devices.

Americans need the ability to fix security holes in their devices when the manufacturer chooses to not do so.

Users have in the past fixed serious bugs in their wifi drivers, which would be banned under the NPRM.

Billions of dollars of commerce, such as secure wifi vendors, retail hotspot vendors, depends on the ability of users and companies to install the software of their choosing.

So, I think that you should not do this.

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Submitter Info:

First Name: Leland

Last Name: Hulbert

Mailing Address: 61 ELMWOOD AVE

City: GLOVERSVILLE

Country: United States

State or Province: NY

ZIP/Postal Code: 12078

Email Address: pythor@gmail.com

Organization Name:

Comment: The FCC summary contains the phrase "that certified equipment is not capable of operating with RF-controlling software for which it has not been approved".

No manufacturer could make such a statement. It is impossible, in light of the complexity modern operating systems and code, to prevent a device from being changed in such a manner.

In addition, even the attempt to make such a claim is disastrous. Many end users, including network professionals, researchers, and home hobbyists; choose to use an open source and/or third party software to run their wireless networking devices. The regulation being proposed would require manufacturers to make it impossible for such independent software to be used. This would seriously constrain the freedom of millions of Americans.

It is a well established right that the end user has the right to modify his/her purchased equipment. It is always a shame when manufacturers try to use technical means (which are never fully successful) to prevent such modifications. This change would require such an intrusion by the manufacturers of all software enabled wireless devices.

I cannot support these changes.

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Submitter Info:

First Name: Jordan

Last Name: Simpson

Mailing Address: Kooloobong Village

City: Wollongong

Country: Australia

State or Province: NSW

ZIP/Postal Code: 2522

Email Address:

Organization Name:

Comment: Go have a look at all the communities and what you will be destroying. If I buy a phone, that phone is mine, I should be able to do what I will with it, including but not limited to loading a custom firmware onto it. I know you're being paid by big telecom businesses to stunt the research of mesh networking, yes it will likely bring an end to those businesses, but humanity will advance, you can't stop it, you can only slow us down. Go and research the advantages of mesh networking, if you even know what it is. BTW LINUX. I want it.

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Submitter Info:

First Name: Max

Last Name: Kay

Mailing Address: 00517 - 228

City: Nairobi

Country: Kenya

State or Province: Nairobi

ZIP/Postal Code: 00100

Email Address:

Organization Name:

Comment: No. No. No.

Just because a rule and regulation isn't made to harm, doesn't mean it won't be abused and twisted to those very ends.

Wireless networking research depends on the ability of researchers to investigate and modify their devices. Custom patches are created to fix security holes in devices when the manufacturer, for some reason, chooses not to fix them.

This is the type of rule that creates way more problems than it fixes.

It has far reaching effects.

No. No. No.

Just because a rule and regulation isn't made to harm, doesn't mean it won't be abused and twisted to those very ends.

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Submitter Info:

First Name: Carl

Last Name: Wagener

Mailing Address: PO Box 1464

City: Fairfield

Country: United States

State or Province: IA

ZIP/Postal Code: 52556

Email Address: meshed.gears@gmail.com

Organization Name: null

Comment: Why is the FCC attempting to suppress the ability for Americans to develop new protocols, improved implementations of devices, innovative applications of technology, and repurposing of equipment in a market characterised by a life-cycle of months not years, when this will result in such development moving to our technological competitors and significantly increasing costs to American users?

A regulatory approach like this is a blatant fail, because it will always be possible for somebody knowledgeable possessing the equipment to modify it, no matter how many rules you wrap the device in, so the rule as proposed disadvantages the vast majority of users because of concerns about possible issues with users breaking the rules, without actually preventing users from breaking the rules.

The simple approach, as now, is to rely on the user to respond to problems caused by their equipment if and when it interferes with the ability for other users sharing spectrum.

Why is the FCC attempting to suppress the ability for Americans to develop new protocols, improved implementations of devices, innovative applications of technology, and repurposing of equipment in a market characterised by a life-cycle of months not years, when this will result in such development moving to our technological competitors and significantly increasing costs to American users?

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Please Do Not Reply To This Email.

Public Comments on Equipment Authorization and Electronic Labeling for Wireless Devices:=====

Title: Equipment Authorization and Electronic Labeling for Wireless Devices

FR Document Number: 2015-18402

RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Jerome

Last Name: Stepp

Mailing Address: 10073 E Wing Rd

City: Shepherd

Country: United States

State or Province: MI

ZIP/Postal Code: 48883

Email Address: exohuman@gmail.com

Organization Name:

Comment: There must be a way for consumers and tinkerers to run wifi and cellular devices and experiment with them without running into problems with the law.

If I buy a device that has wifi, cellular, or bluetooth, I should be able to modify it to suit my needs. If this regulation locks those devices down then it is stifling innovation and really hurting only consumers since big business can get whatever they want.

I am firmly against this new regulation and question what problem it is trying to solve.

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Title: Equipment Authorization and Electronic Labeling for Wireless Devices

FR Document Number: 2015-18402

RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Brian

Last Name: Smyla

Mailing Address: 1227 Main St.

City: Pittston

Country: United States

State or Province: PA

ZIP/Postal Code: 18640

Email Address: bsmyla@gmail.com

Organization Name:

Comment: I respectfully request that the FCC not implement rules that remove the ability of users to install the software of their choosing on their electronic and computing devices.

Wireless networking research depends on the ability of researchers to investigate and modify their devices. Let's not forget that current wireless telephone technology has its roots in the experimentation and research done by amateur radio operators. Future innovations in wireless technology could be stifled if rules are implemented that restrict researchers' ability to modify their devices.

Americans need the ability to fix security holes in their devices when the manufacturer refuses to do so. Many of these devices are manufactured outside of the US, opening the possibility of deliberate security holes being installed in devices shipped to the US. Americans need the ability to close these holes themselves. This ability would be banned under this NPRM.

Billions of dollars of commerce, such as secure wifi vendors and retail hotspot vendors, depends on the ability of users and companies to install the software of their choosing.

I respectfully request that the FCC not implement rules that remove the ability of users to install the software of their choosing on their electronic and computing devices.

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FR Document Number: 2015-18402

RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Jesper

Last Name: Jrgensen

Mailing Address: jesperbroge@gmail.com

City: Aalborg

Country: Denmark

State or Province: Denmark

ZIP/Postal Code: 9220

Email Address:

Organization Name:

Comment: This will make it almost impossible to run free and open source software on this type of devices. This will in turn make the barrier to entry in the market much higher and thereby stagnate innovation.

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RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Philip

Last Name: Almueti

Mailing Address: 18205 Gantry Drive

City: Pflugerville

Country: United States

State or Province: TX

ZIP/Postal Code: 78660

Email Address:

Organization Name:

Comment: The ability to truly own the hardware purchased by a consumer is absolutely necessary to progress the US capability in IT communication understanding and progress our capabilities as a nation holistically in IT from a global perspective.

I submit my own experiences as an example of the progress that being able to truly own my devices has permitted:

I utilized custom firmware on routers and devices in the past to better understand the wireless communications and segmentation permitted with such technology. With this I have worked at several large corporations that permitted me to share my knowledge and further secure our corporations interests, starting with this one little seed.

Furthermore, customization of alternative devices such as my PC or Virtual Appliances is necessary for my continued education and the education of those I tutor to further progress American's capabilities in the field of IT. Limitations of being able to customize, monitor, and change devices I have purchased and rightfully own will absolutely limit my ability to further my own capabilities in the field.

In summary, I believe that the limitation to customize and participate in the spirit of open source solutions and free IT implementations is a debilitating factor in this nations progression in the communication network in comparison to the rest of the world. Without it, it becomes impossible to self-study and compete in the field.

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Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Raymond

Last Name: Lemar

Mailing Address: 285 Birch Point Rd Lot 5

City: Wiscasset

Country: United States

State or Province: ME

ZIP/Postal Code: 04578

Email Address:

Organization Name:

Comment: Please do not enact this. I use a custom router made from an old PC. These new rules and regulations would make something like that illegal. Not only does it mean I create more electronic waste. It also means I am forced to purchase garbage from manufacturers that is not only inferior to what I have but far more expensive. The ability to customize the software that runs on various routers is a necessity. It spurs innovation and manufacturers to constantly improve not only the hardware but their software, firewalls, packet routing etc. By stopping users from doing modifications all you have done is make it easier for manufacturers to become complacent. I know its hard to keep the public interest in mind but please do not succumb to bullshit lobbying from corporate interests.

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Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Alexander

Last Name: Stamps

Mailing Address: 17458 Karen St

City: Omaha

Country: United States

State or Province: NE

ZIP/Postal Code: 68135

Email Address:

Organization Name:

Comment: If I buy the product, I own it. It is my decision what happens to my property. Please do not change this.

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RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: chris

Last Name: trent

Mailing Address: 910 328 st s

City: roy

Country: United States

State or Province: WA

ZIP/Postal Code: 98580

Email Address: jimfoxjones@hotmail.com

Organization Name:

Comment: There are several reasons I am against this. These regulations are to wide and non-concise, meaning it could have unintended reproductions.

I see no need for these regulations in the first place, it's addressing something that is not a problem.

Many end users have extended the left of their older hardware by loading on newer non-factory software, many times including security fixes and adding new features. Hardware makers only offer support for a limited period of time, then updates for older devices is stopped, leaving users the only option of throwing it away and buying new hardware unnecessarily.

We have enough electronic waste as it is, this will only add to that problem. The end result this will be an anti-environmentally friendly set of laws. In addition, with worldwide shopping site like Ebay and Alibaba, users would simply start purchasing non-US models of hardware to avoid these new laws and feature restrictions. And by doing that would have equipment possible will operating out of fcc rules, such as channels frequency and power output.

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RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: John

Last Name: Boyd

Mailing Address: 3921 E San Miguel APT 2

City: Colorado Springs

Country: United States

State or Province: CO

ZIP/Postal Code: 80909-3418

Email Address: johncboyd@gmail.com

Organization Name:

Comment: I am respectfully asking the FCC to not implement rules that take away the ability of users to install the software of their choosing on their computing devices. Additional points of emphasis you should consider:

Wireless networking research depends on the ability of researchers to investigate and modify their devices.

Americans need the ability to fix security holes in their devices when the manufacturer chooses to not do so.

Users have in the past fixed serious bugs in their wifi drivers, which would be banned under the NPRM.

Billions of dollars of commerce, such as secure wifi vendors, retail hotspot vendors, depends on the ability of users and companies to install the software of their choosing.

Please do not do pass this proposed law.

Thank you!

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Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Malec

Last Name: Sandakli

Mailing Address: 6881 Stahelin Ave

City: Detroit

Country: United States

State or Province: MI

ZIP/Postal Code: 48228

Email Address: sandakli2010@gmail.com

Organization Name:

Comment: Public servants of the Federal Communications Commission,

It is with great concern that I write you today regarding the latest proposal to restrict free use and research by private citizens of alternative wireless and computing systems.

The ability for private citizens alongside, but not in conjunction with, federally approved researchers to conduct their own research and use of any and all methods of electronic communication is paramount to the future progress of technological advancement of this very necessary field of technology.

On the subject of liberty it is not at all acceptable that, given we live in a free society, our use of technology should be dependent upon federal approval of certain manufacturer's technology nor should our separate but intersecting third party devices be limited by some arbitrarily concocted regulations. It is not within the federal government's powers or mandate to codify specific software and hardware solely on the basis that it lies outside standard mainstream consumer products. Further, information security is paramount in today's world and often alternative operating systems offer a higher degree of internal systems security not found in most popular and conventional forms of consumer products. The FCC could find itself in quite a precarious position should a large number of citizens find their data in the hands of unscrupulous individuals which could have been averted were they able to use alternative technology systems but were denied due to the FCC's own regulatory measures.

Americans must also be able to secure their own data when the companies we rely on abstain from patching their own security flaws. That the FCC would be considering a proposal which could leave private citizens at the mercy of individuals operating outside the boundaries of the law is worrisome to say the least and in the past it has often been the case that privacy gaps and security flaws in wireless hardware which transmits sensitive data has been fixed as a result of the efforts of private individuals. This and many similar actions would be banned under the NPRM.

The FCC may also run afoul of the First Amendment to the Constitution by limiting those citizens who seek to use alternative methods and hardware to transmit wireless data as a matter of political principals and the desire to express political dissent through legitimate consumption practices. The NPRM would stifle this very legitimate speech, protected under the First Amendment, and may find itself on the wrong side of Constitutional Law and Supreme Court precedent.

I hope my words have not been met by deaf ears and the Federal Communications Commission takes seriously the implications of this very dangerous precedent being set should this regulatory measure come into effect. I am confident in the FCC's ability to make the right choice by setting aside this regulatory measure and hanging it up in the "extremely

bad" category of regulatory ideas.

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RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Jacob

Last Name: Harrington

Mailing Address: 5615 Albert St

City: Shoreview

Country: United States

State or Province: MN

ZIP/Postal Code: 55126

Email Address: imagamer27@msn.com

Organization Name:

Comment: Please don't implement these rules. They would prevent customers from using their devices in legitimate ways.

Please don't implement these rules. They would prevent customers from using their devices in legitimate ways.

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FR Document Number: 2015-18402

RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: GP

Last Name: Garcia

Mailing Address: PO Box 4251

City: Austin

Country: United States

State or Province: TX

ZIP/Postal Code: 78765

Email Address: tenthandhess@gmail.com

Organization Name:

Comment: This is a terrible rule. Devices should be modified by the user if they wish, as they own the device. Allowing modifications to firmware and operating systems is one of the great things about electronics. Users can most times improve upon the work started by the manufacturer as well as fix problems with the devices that the manufacturers seem to ignore. This regulation would only hurt consumer tech, not help it.

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RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: James

Last Name: Lively

Mailing Address: 302 1/2 e thorn st

City: Colfax

Country: United States

State or Province: WA

ZIP/Postal Code: 99111

Email Address: null

Organization Name: null

Comment: Do not implement rules that take away the ability of users to install the software of their choosing on their computing devices. Additional points of emphasis you should consider adding:

Wireless networking research depends on the ability of researchers to investigate and modify their devices. Americans need the ability to fix security holes in their devices when the manufacturer chooses to not do so. Users have in the past fixed serious bugs in their wifi drivers, which would be banned under the NPRM. Billions of dollars of commerce, such as secure wifi vendors, retail hotspot vendors, depends on the ability of users and companies to install the software of their choosing.

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RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Jasmine

Last Name: Ying

Mailing Address: 2262 w. 232nd St.

City: Torrance

Country: United States

State or Province: CA

ZIP/Postal Code: 90501

Email Address: Tertiaryemail3@gmail.com

Organization Name:

Comment: Please do not implement these ideas. A person should especially be allowed to fix any security gaps in their system if the manufacturer does not. Especially in a time where the stealing of data from some of the largest companies in the world is fairly common, wanting to protect ones own information should not be a crime. I think it absurd that users be punished for wanting to utilize their own devices are punished in some way, much like how Samsung punishes users who modify their devices by not allowing them to access the latest security update. Companies who fail to protect their customers should be held accountable and the same customers should not be limited to depending on these companies for their security. I strongly believe in the right of the consumer to be able to use their devices however they wish, especially in terms of protecting themselves from a variety of dangers, such as identity theft or spying.

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Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: JOSH

Last Name: BENOIT

Mailing Address: 185 Hayden Street

City: New Hope

Country: United States

State or Province: AL

ZIP/Postal Code: 35760

Email Address:

Organization Name:

Comment: ATTN FCC, AND WHOM ELSE THIS MAY CONCERN

RISK ASSESSMENT

PUBLIC BACKLASH LIKELY TO BE SEVERE, PRIVATE SECTOR RISK ASSESSMENT PREDICTS 35% OR MORE OF THE POPULACE WILL RESPOND, WITH STRONG POTENTIAL FOR VIOLENCE -- STRONGLY RECOMMEND REVISION OF "Notice of Proposed Rule Making, ET Docket No. 15-170, FCC 15-92, adopted July 17, 2015, and released July 21, 2015" TO REDUCE IMPACT OF PROPOSED LEGISLATION. COMMON SUGGESTIONS ARE AS FOLLOWS

DO NOT LEGISLATE TO THE IMPACT OF "FLASHING FIRMWARE ONTO DEVICES", APPLY FINES WHERE APPLICABLE ON CASE-BY-CASE BASIS, WHERE NOTICEABLE IMPACT OR INTERFERENCE CAN BE PROVEN -- MANPOWER REQUIRED WOULD LIKELY BE EXTRAORDINARY, BUT IS THE ACTION LEAST PLAUSIBLE TO CAUSE BACKLASH.

REDUCE LEGISLATION TO ALLOW CERTAIN KINDS OF FIRMWARE FLASHING, BUT NOT OTHERS. BACKLASH RISK REDUCED BUT NOT COMPLETELY MITIGATED.

CONTINUE WITH LEGISLATION AS PROPOSED. IGNORE SMALL PROBLEMS IN RESIDENTIAL AREAS, RESPONDING ONLY TO COMPLAINTS FILED. BACKLASH RISK SIGNIFICANTLY REDUCED, BUT STILL LIKELY.

LEGISLATE AGAINST CAUSING INTERFERENCE, WITH A NOTICE TO OFFENDERS THAT AFOREMENTIONED ARE CAUSING UNWANTED INTERFERENCE, AND MAY BE FINED IF THE ISSUE IS NOT RECTIFIED, AND AN OFFICIAL INVESTIGATION FINDS THAT AFOREMENTIONED ARE INDEED CAUSING INTERFERENCE DEFINED AS UNDESIRABLE. ---RISK ASSESSMENT PREDICTS BACKLASH IN REACTION UTILIZING A REACT-TO-INTERFERENCE METHOD WILL BE MINIMAL.

END RISK ASSESSMENT.

ATTN FCC, AND WHOM ELSE THIS MAY CONCERN

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RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Steven

Last Name: Irby

Mailing Address: 735 SW Saint Clair Ave APT 701

City: Portland

Country: United States

State or Province: OH

ZIP/Postal Code: 97205

Email Address: steven.a.irby@gmail.com

Organization Name: null

Comment: Locking down personal hardware is akin to telling consumers they don't have the right to install a different Operating System on their computer. It's silly and potentially dangerous. This could have a chill effect on privacy and innovation in the US. Right now the US is at cusp of the next era of computer. Dubbed the "internet of thing". New exciting technology and hardware is coming out every year which relies on customization software to be placed on machines.

As with the internet, next generation of hardware, wearable devices, and connected devices will help power the United States economy. We rely on open and fair laws to enable innovation and protect privacy.

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FR Document Number: 2015-18402

RIN:

Publish Date: 8/6/2015 12:00:00 AM

Submitter Info:

First Name: Behrang

Last Name: Saeedzadeh

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Country: Australia

State or Province: Southbank

ZIP/Postal Code: 3006

Email Address: behrangsa@gmail.com

Organization Name: null

Comment: Dear Sir/Madam,

As a person who has always looked at USA as a beacon of freedom, this is of great concern to me that you are trying to implement such a draconian law that significantly impacts freedom of choice, stagnates innovation, and severely depresses citizens and instills a feeling of fear, uncertainty, and doubt in their minds.

Steps and laws like this, when passed one after another, eventually lead to a system as close and authoritarian as those in the Middle East or North Korea.

Health wise, WiFi routers, even when customized using 3rd party firmware are tremendously safer than microwave ovens. So I find the negative impact on health an unreasonable argument.

Besides, many manufacturers are not updating their firmware fast enough and after a few years they totally abandon their old devices. Having third party open source options that we can rely on is extremely important for us end users.

If anything, we need a law that enforces manufacturers to build open systems that their firmware can easily be replaced by third party commercial or open source alternatives.

Please do not implement laws that decreases freedom of people.

Sincerely yours,

A netizen

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Submitter Info:

First Name: Eric

Last Name: Merz

Mailing Address: 1309 Gatewood Dr #502

City: Auburn

Country: United States

State or Province: AL

ZIP/Postal Code: 36830

Email Address: rinyre@gmail.com

Organization Name:

Comment: Wireless spectrum is a resource that's important to manage and keep regulated for use to prevent overcrowding or denial of service. However, as with many other rules, a lack of detail can be devastating. Wireless radios are ubiquitous in modern products, from cell phones to laptops to tablets to routers, even to the newly emerging Internet of things market. However, one of the long-running freedoms has been for people to modify the software of devices as they see fit to optimize it for their own use. Most home routers and Android phone devices use an open-source base code, freely published for modification. In the attempt being made to restrict routers from being made too powerful, the phrasing can prevent far more than just router modification. Whether it's installing Linux on someone's own hardware, or building their own Internet of Things device, the wording can allow for anyone who does one of these things to fall afoul of the law and suffer consequences for actions that have, ultimately, no bearing on the issue at hand. I urge the FCC to reconsider their current action and revise to the specifics of 'networking equipment radios designed to provide a internet connection to other devices', which would help restrict the current phrasing to wifi routers and wireless access points. I also urge the FCC to encourage that any such lock-downs on broadcasting power be phrased to mandate this be implemented in the radio's firmware, allowing for consumers to continue to install third-party router software to provide features they require.

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Submitter Info:

First Name: Travis

Last Name: Lockett

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City: gilbert

Country: United States

State or Province: AZ

ZIP/Postal Code: 85234

Email Address: tjtrickus@yahoo.com

Organization Name:

Comment: Allow us to do what we want with our devices.

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Submitter Info:

First Name: Adam

Last Name: Novotny

Mailing Address: 457 E. Tyee Dr.

City: Sisters

Country: United States

State or Province: OR

ZIP/Postal Code: 97759

Email Address: adamekn55@gmail.com

Organization Name:

Comment: I am concerned that this rule will make it impossible to flash alternative firmware on WiFi routers. I wish that it be explicitly stated that ONLY the radio firmware be signed, to leave the OS firmware editable. An editable router OS is necessary to manage an updated and secure network, and to add or fix features that manufacturers ignore.

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Submitter Info:

First Name: Morgan

Last Name: O'Brien

Mailing Address: No thanks.

City: Heffley Creek

Country: Canada

State or Province: British Columbia

ZIP/Postal Code: No thanks.

Email Address:

Organization Name:

Comment: The biggest thing I see from this proposal is for manufacturers to gain control over their users. This could severely limit users such as software developers, as these users could not run an OS of their choice. This would also limit the community's ability to create together, as a manufacturer could choose to forbid users from doing anything of their choosing. This would also prevent the design and distribution of open source drivers, which often fix many bugs and other issues with proprietary drivers.

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Submitter Info:

First Name: Jack

Last Name: Donovan

Mailing Address: 29 Northerly Ave

City: Ascot

Country: Australia

State or Province: Western Australia

ZIP/Postal Code: 6104

Email Address: tantryl@gmail.com

Organization Name:

Comment: This sort of law has terrible consequences for my industry (IT). Often the most secure and functional firmware for routers and phones is not the official version. It's often the case that officials versions don't bother patching their problems if alternatives didn't exist.

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Submitter Info:

First Name: Joshua

Last Name: Zientara

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City: Westfir

Country: United States

State or Province: OR

ZIP/Postal Code: 97492

Email Address: joshuazientara@gmail.com

Organization Name:

Comment: I am respectfully asking the FCC to not implement rules that take away the ability of users to install the software of their choosing on their computing devices. Additional points of emphasis you should consider adding: Wireless networking research depends on the ability of researchers to investigate and modify their devices. Americans need the ability to fix security holes in their devices when the manufacturer chooses to not do so. Users have in the past fixed serious bugs in their wifi drivers, which would be banned under the NPRM. Billions of dollars of commerce, such as secure wifi vendors, retail hotspot vendors, depends on the ability of users and companies to install the software of their choosing.

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Submitter Info:

First Name: Mike

Last Name: Delarosbil Huard

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City: repentigny

Country: Canada

State or Province: Quebec

ZIP/Postal Code: j5z2z1

Email Address: mike.huard@gmail.com

Organization Name:

Comment: Users should be able to manipulate and control all aspects of their devices.

The FCC should not be able to tell me what to do with my personal router running Tomato-USB.

The FCC should contact the dev of open source firmware and setup some ground rules.

Is it really a big problem that you need to pass laws to "fix" it?

Thanks

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Submitter Info:

First Name: SAMUEL

Last Name: LINDHORST

Mailing Address: 3327 ORCHARDALE ST

City: MONROE

Country: United States

State or Province: MI

ZIP/Postal Code: 48162-4458

Email Address: samlind1@gmail.com

Organization Name:

Comment: I oppose making rules regarding wireless devices that are capable of being configured legally now in any manner the purchaser of the device wishes. The purchaser has the option in the current market of buying a wide variety of devices with widely differing abilities and in some cases adding new features and abilities, including security abilities themselves. I have done this to get complex communication features working in a short time span on an existing network at no additional time and cost. I fail to see how regulation of these devices will improve the situation for users any more than the current marketplace does, and given the rapidity of change in this area and the record of government oversight being slow to change and ineffective, these important items in the US communication that working well in the public sphere currently should be left alone until and if a true need for regulation arises.

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