



Internet Monitoring Action Project

iMAP Indonesia 2023

Internet Censorship

Report

By Khairil Zhafri (EngageMedia), Pradipa P Rasidi (EngageMedia),
Siti Nurliza Samsudin (Sinar Project) and Kelly Koh (Sinar Project)

Published/Produced by Sinar Project
team@sinarproject.org
<https://sinarproject.org>

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About iMAP

The Internet Monitoring Action Project (iMAP) aims to establish regional and in-country networks that monitor network interference and restrictions to the freedom of expression online in 10 countries: Myanmar, Cambodia, Hong Kong, India, Indonesia, Malaysia, Philippines, Thailand, Timor-Leste and Vietnam. Sinar Project is currently working with national digital rights partners in these 10 countries. The project is done via Open Observatory Network Interference (OONI) detection and reporting systems, and it involves the maintenance of test lists as well as the collection and analysis of measurements.

More information is available at imap.sinarproject.org. Any enquiries and suggestions about this report can be directed to team@sinarproject.org.

About EngageMedia

EngageMedia is a not-for-profit organisation that promotes digital rights, open and secure technology, and social issue documentaries. Combining video, technology, knowledge, and networks, we support Asia-Pacific and global changemakers advocating for human rights, democracy, and the environment. In collaboration with diverse networks and communities, we defend and advance digital rights. Learn more about our work at engagemedia.org.

About Sinar Project

Sinar Project is a civic tech initiative that uses open technology, open data, and policy analysis to systematically make important information public and more accessible to the Malaysian people. It aims to improve governance and encourage greater citizen involvement in the public affairs of the nation by making Parliament and the Malaysian Government more open, transparent and accountable. More information is available at sinarproject.org.

How to Use This Report

Recommendations to audience:

- Supporting evidence of internet censorship
- Understanding what is the latest development of internet censorship in the country, in terms of methods of blockings and the websites affected by censorship
- Policy advocacy
- Call for action

This report is not meant to provide comparison of measurements across countries or measurements among different website categories.

Abbreviations

ALDR	Alcohol & Drugs
ANON	Anonymization and circumvention tools
ASN	Autonomous System Number
COMT	Communication Tools
CTRL	Control content
CULTR	Culture
DNS	Domain Name System
COMM	E-commerce
ECON	Economics
ENV	Environment
FILE	File-sharing
GMB	Gambling
GAME	Gaming
GOVT	Government
HACK	Hacking Tools
HATE	Hate Speech
HOST	Hosting and Blogging Platforms
HUMR	Human Rights Issues
HTTP	Hypertext Transfer Protocol
IGO	Intergovernmental Organizations
ICCPR	International Covenant on Civil and Political Rights
iMAP	Internet Monitoring Action Project
IP	Internet Protocol
ISP	Internet Service Provider
MMED	Media sharing
MISC	Miscellaneous content
NEWS	News Media
DATE	Online Dating
OONI	Open Observatory Network Interference
POLR	Political Criticism
PORN	Pornography
PROV	Provocative Attire

PUBH	Public Health
REL	Religion
SRCH	Search Engines
XED	Sex Education
GRP	Social Networking
MILX	Terrorism and Militants
TCP	Transmission Control Protocol
TLS	Transport Layer Security

Table of Contents

About iMAP	2
About EngageMedia	2
About Sinar Project	2
How to Use This Report	3
Abbreviations	4
Table of Contents	6
Key Findings	8
Background	9
Social, Political, and Economic Landscape	9
Legal Environment	11
Press Law No 40 of 1999	11
Article 27 and 45 of the Electronic Information and Transactions (ITE) Law No 11 of 2008	11
Public Information Openness Law No 14 of 2008	12
Article 40 of the Electronic Information and Transactions (ITE) Law No 11 of 2008	12
Pornography Law No 44 of 2008	13
State Intelligence Law No 17 of 2011	13
Civil Society Organizations Law No 17 of 2013	13
Handling of Internet Sites Containing Negative Content Ministerial Regulation No 19 of 2014	14
2016 Right to be Forgotten Amendment to the ITE Law	14
Private Electronic System Operators (PSE) Ministerial Regulation No 5 of 2020	15
Personal Data Protection Law No 27 of 2022	16
Reported Cases of Internet Censorship	17
Control of “negative content” and hoaxes	17
Pegasus spyware	17
Network Landscape	17
Findings on Internet Censorship in Indonesia	20
Blocking of Websites	20
Pornography	22
Gambling	22
Provocative Attire	22
Political Criticism and Terrorism and Militants	22
Online Dating and LGBTQ+	23
Religion	23
E-commerce	23
Hate Speech	23
File-sharing and Media-sharing	24
Methods of Blocking of Websites	24

Blocking of Instant Messaging Apps	24
Blocking of Circumvention Tools	25
Acknowledgement of Limitations	25
Conclusion	26
Contribute to the study	26
Acknowledgements	27
Annex I: List of confirmed blockings	28
Annex II: List of ISPs	133
Annex III: Glossary	136
Annex IV: Methodology	139
Data	139
Coverage	139
How are the network measurements gathered?	139
How are the network measurements analysed?	139
Country code	140
Autonomous System Number (ASN)	140
Date and time of measurements	140
Categories	140
IP addresses and other information	142
Network measurements	143
Verifying OONI measurements	145

Key Findings

- The three categories with the highest rate of blocked or likely blocked websites are Pornography, Gambling, and Provocative Attire. There are also a significant number of blockings in the LGBT, Terrorism and Military, and Hate Speech categories.
- Based on a rough comparison with the confirmed blockings found last year, a few blockings were newly detected this year, including www.kucoin.com (a cryptocurrency website), gist.github.com, sinarharapan.co.id, and limetorrents.pro.
- In terms of method of blocking, the ISPs either implemented HTTP or DNS blocking based on the government block list, i.e., TrustPositif. The study also found that about 20% of the confirmed blockings were not detected on the block list, but this may be due to various reasons.

Background

Population	275.5 mil (2022) ¹ 278.7 mil (2023) ²
Internet penetration (% of the population using the internet)	62% (2021) ³ 78% (2023) ⁴
Mobile subscriptions (per 100 inhabitants)	134 (2021) ⁵
Freedom on the Net score	49/100 Partly free (2022) ⁶
Religion (% of the population)	Islam: 87.0%, Christianity: 10.5%, Hinduism: 1.7%, Buddhism: 0.7%. (2022) ⁷
ICCPR ratification	Yes, acceded on 23 February 2006 ⁸
ICESCR ratification	Yes, acceded on 23 February 2006 ⁹

Social, Political, and Economic Landscape

Indonesia, an archipelago steeped in rich history and diverse cultures, is the world's third-largest democracy and the most populous nation in Southeast Asia. As it approaches the 25th anniversary of its democratic transition, Indonesia's socio-political mosaic offers a compelling study in contrasts, melding rapid advancements with persistent challenges, each with deep-seated implications for human rights.

Post-independence, the Suharto regime dominated Indonesia's political narrative. The termination of this era in 1998, catalysed by the Asian financial crisis, pivoted the nation towards democracy. The legacy of the Suharto years, however, casts a lingering shadow over modern Indonesia. While the country has managed to remain one of the world's largest

¹ World Bank Group (n.d.). Population, total - Indonesia. [online] Available at: <https://data.worldbank.org/indicator/SP.POP.TOTL?locations=ID>.

² BPS - Statistics Indonesia (n.d.). Jumlah Penduduk Pertengahan Tahun (Ribuan Jiwa), 2021-2023. [online] Available at:

<https://www.bps.go.id/indicator/12/1975/1/jumlah-penduduk-pertengahan-tahun.html>.

³ World Bank Group (n.d.). Individuals using the Internet (% of population) - Indonesia. [online] Available at: <https://data.worldbank.org/indicator/IT.NET.USER.ZS?locations=ID>.

⁴ Indonesian Internet Service Providers Association (2023) APJII Internet Survey 2023. Available at <https://survei.apjii.or.id/survei/2023>.

⁵ World Bank Group (n.d.). Mobile cellular subscriptions (per 100 people) - Indonesia. [online] Available at: <https://data.worldbank.org/indicator/IT.CEL.SETS.P2?locations=ID>.

⁶ Southeast Asia Freedom of Expression Network (SAFE-net) and Freedom House (2022). Indonesia: Freedom on the Net 2022 Country Report. [online] Freedom House. Available at: <https://freedomhouse.org/country/indonesia/freedom-net/2022>.

⁷ Ministry of Religious Affairs Republic of Indonesia (2022). Jumlah Penduduk Menurut Agama. [online] Available at: <https://satudata.kemenag.go.id/dataset/detail/jumlah-penduduk-menurut-agama>.

⁸ United Nations Office of the High Commissioner for Human Rights (n.d.). Ratification Status for Indonesia. [online] Available at:

https://tbinternet.ohchr.org/_layouts/15/TreatyBodyExternal/Treaty.aspx?CountryID=80&Lang=en.

⁹ Ibid.

democracies after navigating years of instability, vestiges of centralised authority are sometimes apparent in the current governance, especially when it comes to curbing individual freedoms and rights.

One of the pressing human rights challenges in present-day Indonesia is the perceived erosion of freedom of speech. The introduction of the new criminal code in December 2022 stands out as a stark example. Critics argue that the inclusion of rules on defamation and the spread of misinformation could be weaponized to stifle dissent.

A broader look offers unsettling evidence. The Electronic Information and Transactions Law (ITE Law), which, under the pretext of curbing misinformation, has targeted journalists and human rights activists, serves as a case in point. For instance, journalist Muhammad Asrul faced incarceration for revealing alleged corruption involving local officials. Similarly, two human rights activists faced charges under the ITE law in March 2022 for supposedly spreading “false information” on social media. These instances signify a concerning trend: the oppression of free press and civil activism, essential pillars of a robust democracy.

Religion has always been a sensitive subject in Indonesia's socio-political landscape. While the nation is predominantly Muslim, it houses a tapestry of other religious communities. The expanded blasphemy chapter in the new criminal code, which was increased from one article to six, risks fanning religious tensions. Provisions criminalising apostasy (the act of leaving one's religion) and prosecuting those encouraging such choices are potent tools for religious persecution.

Historical context provides insight into the potential implications of these provisions. In 2017, Jakarta's former Christian governor Basuki Tjahaja Purnama (commonly known as Ahok) was prosecuted and imprisoned for alleged blasphemy. This offers a sobering reflection on the perils of such laws, especially when wielded against religious minorities.

Public faith in institutions is an unspoken contract in any democracy. The breach of this trust is evident in Indonesia's dramatic slide in the Corruption Perceptions Index, from 96th to 110th in a year. The discovery of a tax scandal implicating USD 20 billion in suspicious transactions since 2009 only exacerbates public cynicism.

Citizens have not remained passive in the face of these revelations. The uproar on social media calling for the resignation of Finance Minister Sri Mulyani showcases an empowered populace demanding transparency and accountability from its elected officials.

While grappling with internal challenges, Indonesia's government has exhibited a commitment to economic rejuvenation. The decision in September 2022 to hike domestic fuel prices, though contentious, bore fruit as it led to considerable improvements in the fiscal scenario.

However, these economic measures, while bolstering macroeconomic indices, can have human rights repercussions. Economic decisions, if not executed judiciously, might inadvertently accentuate societal inequities and compromise the well-being of vulnerable populations.

The forthcoming 2024 elections promise to be a watershed moment for Indonesia. Not merely a democratic exercise, they are set to shape the nation's human rights trajectory. Candidates such as Prabowo Subianto, with his inclinations towards protectionism and a pronounced "Islamic foreign policy", could bring transformative shifts in Indonesia's secular ethos. Recent public sentiment and electoral leanings will be crucial. A resounding electoral mandate for any candidate will not just be a vote for their political vision, but an endorsement (or rejection) of their stance on human rights, freedoms, and Indonesia's pluralistic identity.

Indonesia's intricate socio-political tapestry, woven with its historical legacies, contemporary challenges, and aspirations for the future, stands at a crucial juncture. Its commitment to economic progress and political stability, though laudable, must harmoniously coexist with the imperatives of civil liberties and social justice. As the nation steers towards the 2024 elections, it will be choosing more than just a leader; it will be defining its values, reinforcing its commitment to its diverse citizenry, and charting a course for its future in the annals of democracy.

Legal Environment

Press Law No 40 of 1999

Article 4 of the 1999 Press Law¹⁰ guarantees freedom of the press as a basic human right for every citizen. The law contains many positive stipulations that serve to protect the freedom of the press. Specifically, 4(2) provides that the national press shall not have censorship or broadcast limitations imposed upon it, while 4(3) provides the national press with the right to seek, acquire, and disseminate ideas and information freely to ensure the freedom of the press.

However, the Press Law also contains a number of potentially harmful restrictions on content that may be open to abuse. Article 5 of the law constrains the national press to report events and opinions with respect to the religious and moral norms of the public, in accordance with the presumption of innocence. The resulting restrictions on certain forms of expression, such as legitimate criticisms of religious bodies, contradict the stipulation in Article 6. The stipulation provides that the national press plays its role in fulfilling the public's right to know in relation to criticism, corrections, and suggestions towards public concerns.

Article 27 and 45 of the Electronic Information and Transactions (ITE) Law No 11 of 2008

Articles 27 and 45 of the 2008 ITE Law¹¹ have been used to prosecute individuals who "knowingly and without authority" distribute, transmit, or make accessible electronic information or documents containing (i) material against propriety, (ii) gambling material, (iii) defamatory material, and (iv) material containing extortions or threats. Under Article 45, any individual satisfying any of the elements could be sentenced to imprisonment of up to six

¹⁰ Undang-undang No 40 Tahun 1990 tentang Pers, (1999). <https://peraturan.bpk.go.id/Home/Details/45370/uu-no-40-tahun-1999>

¹¹ Undang-Undang Nomor 11 Tahun 2008 tentang Informasi dan Transaksi Elektronik, (2008). https://jdih.kominfo.go.id/produk_hukum/view/id/167/t/undangundang+nomor+11+tahun+2008+tangga+l+21+april++2008

years, and/or a maximum fine of IDR 1 billion (USD 63837). The 2016 amendment to Article 45 reduces the criminal sanction for the crime under Article 27(iii) regarding defamation to a maximum imprisonment term of four years and a fine of IDR 750 million (USD 47878), in addition to clarifying that the provision for the dissemination of defamatory material is a crime by the complaint.¹²

Public Information Openness Law No 14 of 2008

The 2008 Law on Public Information Openness¹³ guarantees freedom of information as a right for Public Information Requesters, restricted only to Indonesian citizens or legal entities. Under Articles 22 and 35, requests for information require that the name, address, and reason for the request be provided by requesters. Problematically, the law enables the requested documents to be sanitised by allowing the redaction or “blackening” of restricted information while providing access to the rest of the document.¹⁴

Under the law, criminal sanctions can be placed on public officials who are found to deliberately disregard their obligation to provide and publish public information. However, under Article 51, harsh penalties are also prescribed for any person found to have committed deliberate use of public information “in an unlawful manner”, with violators being liable to imprisonment of up to one year, and a maximum fine of IDR 5 million (USD 319). What is considered to be “against the law” is vaguely defined, and leaves such provisions open to abuse.

Although provisions exist to guarantee the right to freedom of information, implementation remains flawed. A 2012 study revealed structural inefficiencies in the way public bodies in Indonesia handle requests for information.¹⁵ Only 46% of 224 information requests had been granted, and participants frequently reported that their requests were ignored or lost by public authorities.

Article 40 of the Electronic Information and Transactions (ITE) Law No 11 of 2008

Article 40 of the ITE broadly dictates that the government protect the public’s interest from any misuse of Electronic Information and Transactions deemed as threats against the public interest and which could offend public order.¹⁶

¹² Undang-Undang Republik Indonesia Nomor 19 Tahun 2016 tentang Perubahan atas Undang-Undang Nomor 11 Tahun 2008 Tentang Informasi dan Transaksi Elektronik, (2016). https://jdih.kominfo.go.id/produk_hukum/view/id/555/t/undangundang+nomor+19+tahun+2016+tanggal+25+november+2016

¹³ Undang-Undang Nomor 14 Tahun 2008 tentang Keterbukaan Informasi Publik, (2008). https://jdih.kominfo.go.id/produk_hukum/view/id/172/t/undangundang+nomor+14+tahun++2008+tanggal+30+april+2008

¹⁴ ARTICLE 19. (2015). Country Report: The Right to Information in Indonesia. <https://www.article19.org/resources/country-report-the-right-to-information-in-indonesia/>

¹⁵ Toby. (2012, April 10). Indonesia: Large RTI Requesting Exercise Leads to Key Recommendations. Centre for Law and Democracy. <https://www.law-democracy.org/live/indonesia-large-rti-requesting-exercise-leads-to-key-recommendations/>

¹⁶ Undang-Undang Republik Indonesia Nomor 19 Tahun 2016 tentang Perubahan Atas Undang-Undang Nomor 11 Tahun 2008 Tentang Informasi dan Transaksi Elektronik, (2016).

The 2016 amendment widens the authority of the government with the addition of two sub-paragraphs under Article 40 stipulating that the government is authorised to take preventative actions against the dissemination of electronic information and documents containing content violating applicable laws, such as hate speech, defamatory material, or immoral content. The amendment enhances the scope of the government in monitoring electronic information and authorises them to terminate access to content deemed to fall under such criteria.

Pornography Law No 44 of 2008

The 2008 law on pornography prohibits the creation, dissemination, or consumption of pornographic material.¹⁷ The law presents a loose definition of what constitutes pornography, to the point of criminalising actions such as the kissing of lips in public, the display of sensual parts of the body (defined in Article 4 as the genitals, buttocks, hips, thighs, navel, and female breasts), or any form of art and cultural expression perceived to be explicit. Section 4:1a of the law explicitly prohibits the action of sexual activities involving same-sex relations and any written or audio-visual presentation of the same. The law is routinely used to censor LGBTQ+ content on the internet.

State Intelligence Law No 17 of 2011

The law authorises the Indonesian State Intelligence Agency (BIN or Badan Intelijen Nasional) to conduct expansive intelligence gathering efforts against “opponents” deemed to be “harmful to national interests and security”. Additionally, Article 31 of the law authorises the State Intelligence Agency to intercept communications without the need for prior court approval. The broad and ambiguous language behind “opponents” and “national interests and security” opens up the legislation to criminalization.

Article 25(4) and 25(5) stipulates that “intelligence secrets” (*“rahasia intelijen”*) through which BIN operates are closed information that cannot be disclosed unless for the purpose of a trial. Thus, as Article 44 penalises individuals for the dissemination of “intelligence secrets” with imprisonment of up to 10 years, and a maximum fine of IDR 500 million (USD 31919), the law allows for no transparency to “intelligence secrets” and State Intelligence Agency past operations on which it is based.

Civil Society Organizations Law No 17 of 2013

The 2013 Civil Society Organizations Law¹⁸ subjects civil society organisations (CSOs) to increased bureaucratic and discriminatory controls, authorising government screening of all CSOs in the country. The law stipulates CSOs to various prohibitions and obligations to be able to obtain a permit to operate within the country. These include prohibiting CSOs from propagating ideologies conflicting with the state ideology of Pancasila, which embraces the

https://jdih.kominfo.go.id/produk_hukum/view/id/555/t/undangundang+nomor+19+tahun+2016+tanggal+25+november+2016

¹⁷ Undang-undang No 44 Tahun 2008 tentang Pornografi, (2008). <https://peraturan.bpk.go.id/Home/Details/39740>

¹⁸ Undang-undang No 16 Tahun 2013 tentang Organisasi Kemasyarakatan, (2013), <https://peraturan.bpk.go.id/Home/Details/38876/uu-no-17-tahun-2013>

five principles of Indonesian nationalism: internationalism; consent or democracy; social prosperity; and belief in one God. Therefore, the law directly infringes upon the rights of organisations to freedom of religion.

The law also places severe limitations on the running of foreign-funded CSOs within the country. Article 52 of the law prohibits CSOs founded by foreign citizens from conducting any intelligence or political activities, or any activities which may “disrupt the stability and integrity” of Indonesia or which may “disrupt diplomatic relations”.

Article 52(g) prohibits the “raising of funds from the Indonesian community” and (h) “the use of facilities and infrastructures of government agencies and institutions”. Violations of such repressive provisions may result in the dissolution of the CSO.

This law was used to threaten labour unions with disbandment in 2014¹⁹ and disband Islamist organisation Hizbut Tahrir Indonesia in 2017 with accusations of “promoting the establishment of a caliphate”.²⁰

Handling of Internet Sites Containing Negative Content Ministerial Regulation No 19 of 2014

In July 2014, the regulation Minister of Communications and Informatics Number 19 of 2014 on the Handling of Negative Internet Sites came into force as part of the regulator's programme for Healthy and Safe Internet (INSAN or Internet Sehat dan Aman).

The law mandated ISPs to block any internet content that is deemed to carry “negative” elements such as pornography, hoaxes, or SARA conflicts. As the primary internet regulator, the ministry maintained a database of blocked sites known as TrustPositif, which ISPs must check against to implement internet censorship. The regulation drew criticism from civil society organisations for its potential abuse.²¹

2016 Right to be Forgotten Amendment to the ITE Law

A provision was added to Article 26 of the 2016 Amendment of the Electronic Information and Transactions (ITE) Law regulating that Electronic System Operators (a) provide a mechanism to remove irrelevant information or electronic data and (b) remove all electronic information or electronic records under their control according to a court order at the initiation of a relevant person. Though this seems to provide individuals with an element of privacy protection, the amendment lacks specifics on the circumstances in which electronic

¹⁹ ADY. (2014, March 14). UU Ormas Mulai Memakan Korban. Hukumonline.com. <https://www.hukumonline.com/berita/a/uu-ormas-mulai-memakan-korban-lt5321da472379e>

²⁰ Supreme Court upholds disbandment of Hizbut Tahrir Indonesia. (2019, February 15). The Jakarta Post. <https://www.thejakartapost.com/news/2019/02/15/supreme-court-upholds-disbandment-of-hizbut-tahrir-indonesia.html>

²¹ Wiwoho, L. H. (2014, August 11). Masyarakat Tolak Peraturan Menkominfo tentang Blokir Situs. Kompas. <https://nasional.kompas.com/read/2014/08/11/15420961/Masyarakat.Tolak.Peraturan.Menkominfo.tentang.Blokir.Situs>

information may be deemed “irrelevant”, nor the criteria to be considered a “relevant person”.²²

Concerns have been raised over the potential for misuse in a statement by the Secretary General of the Alliance of Independent Journalists, which argues that the provision could be a potential threat to press freedom, as “anyone may request a court order with impunity to erase negative news concerning them in digital media”.²³

Private Electronic System Operators (PSE) Ministerial Regulation No 5 of 2020

The law came into effect in November 2020 to replace and consolidate Kominfo Regulations No 19 of 2014 on Handling of Internet Sites Containing Negative Content and No 36 of 2014 on Registration of Electronic System Operators.²⁴ The law requires private electronic system operators (*penyelenggara sistem elektronik* or PSE) to register themselves with Kominfo before providing any service to internet users.

Through the single registration system, a PSE must disclose how their system works and the kinds of user information they collect, store, and process. The law does not only apply to domestic operators but also to foreign private PSEs that have users in Indonesia. Failing registration, Kominfo would block the websites of private PSEs in Indonesia.²⁵

This law shifts the regulatory burden to PSEs who would now have to make sure that their systems do not contain prohibited electronic content or facilitate the dissemination of prohibited content. These responsibilities also extend to platforms that host user-generated content such as web-hosting providers and cloud computing operators who are PSEs in their own right. According to internal documents from industry players,²⁶ the regulator is planning to introduce fines of up to \$33,000 on PSEs for failure to take down prohibited content under this regime.

A PSE must take down prohibited content within 24 hours – or 4 hours in the cases of terrorism, pornography, or other violation of laws – of warning from Kominfo, failing which the

²² Undang-Undang Republik Indonesia Nomor 19 Tahun 2016 tentang Perubahan Atas Undang-Undang Nomor 11 Tahun 2008 Tentang Informasi dan Transaksi Elektronik, (2016). https://jdih.kominfo.go.id/produk_hukum/view/id/555/t/undangundang+nomor+19+tahun+2016+tangga+l+25+november+2016

²³ Varagur, K. (2016, November 7). Indonesia Poised to Pass Asia’s First “Right to Be Forgotten” Law. VOA. <https://www.voanews.com/a/indonesia-poised-to-pass-asia-first-right-to-be-forgotten-law/3584318.html>

²⁴ Peraturan Menteri Komunikasi dan Informatika Nomor 5 Tahun 2020 tentang Penyelenggara Sistem Elektronik Lingkup Privat, (2020). https://jdih.kominfo.go.id/produk_hukum/view/id/759/t/peraturan+menteri+komunikasi+dan+informatika+nomor+5+tahun+2020

²⁵ Muthiariny, D. E. (2022, June 28). Indonesia to Block Netflix, Google, and Twitter If They Miss Registration. Tempo. <https://en.tempo.co/read/1606310/indonesia-to-block-netflix-google-and-twitter-if-they-miss-registration>

²⁶ Timmerman, A. (2022, August 16). Indonesia will enforce laws on content moderation with tight response time and harsh fines, documents show. Rest of World. <https://restofworld.org/2022/indonesia-social-media-regulations/>

regulator has the authority to instruct ISPs to block user access to the PSE. Under this law, Kominfo or any relevant government agency may compel a PSE to provide access to its system for supervision and law enforcement purposes.

Advocates for internet freedom have raised concerns over this encroachment on online freedom of expression and opinion.²⁷ The definition of prohibited content as anything that may cause anxiety in society (“*meresahkan masyarakat*”) and disturbs public order (“*mengganggu ketertiban umum*”) is too broad and may be used to curtail dissenting voices. Many activists are also concerned that state apparatus may abuse their supervision and law enforcement powers under the law to target human rights defenders, especially those championing the rights of women, LGBTQ+ persons, and ethnic and religious minorities. The law, many activists argued, is inconsistent with the Indonesian constitution and the country's international human rights obligations.²⁸

Personal Data Protection Law No 27 of 2022

Article 28g(1) of the Indonesian Constitution provides for the rights to “protection” and the right to “feel secure”. Indonesia did not have specific laws governing the right to privacy until the national Personal Data Protection Law No 27 of 2022 was passed in September 2022.²⁹ The law provides for a comprehensive legal framework that covers different categories of personal data, the right of the personal data subject, obligations of personal data controllers, breaches of personal data, personal data protection authority, and prohibited uses of personal data.

Most Indonesian financial services are governed by another regulatory framework under the Financial Services Authority (OJK or *Otoritas Jasa Keuangan*), including matters related to data protection. However, not all financial services come under the purview of OJK including unlicensed online lending services. The 2022 Personal Data Protection Law applies not only to entities based in Indonesia but also to those who process the personal data of Indonesian citizens or that have legal consequences in Indonesia. It is, however, not applicable to personal data processing related to national security, law enforcement, and public interests by the state.

²⁷ Southeast Asia Freedom of Expression Network. (2022, June 24). Stop Registrasi PSE Lingkup Privat dan Tarik Kembali Permenkominfo yang Mengancam Kebebasan Berekspresi dan Hak Atas Privasi Pengguna. SAFEnet. <https://safenet.or.id/id/2022/06/siaran-pers-stop-registrasi-pse-lingkup-privat-dan-tarik-kembali-permenkominfo-yang-mengancam-kebebasan-berekspresi-dan-hak-atas-privasi-pengguna/>

²⁸ Access Now, ARTICLE 19, Asia Democracy Network (ADN), Cambodia Center for Human Rights, Electronic Frontier Foundation (EFF), Manushya Foundation, Open Net Korea, Southeast Asia Freedom of Expression Network (SAFEnet), The William Gomes Podcast UK, & The Kenya Human Rights Commission. (2022, July 4). Indonesia: Regulations will severely impede internet freedom. ARTICLE 19. <https://www.article19.org/resources/indonesia-regulations-impede-internet-freedom/>

²⁹ Undang-undang tentang Pelindungan Data Pribadi, (2022). <https://peraturan.bpk.go.id/Home/Details/229798/uu-no-27-tahun-2022>

Reported Cases of Internet Censorship

Control of “negative content” and hoaxes

According to the Ministry of Communication and Information Technology, it successfully blocked 437,741 pieces of internet content that it deemed “negative” throughout 2022, almost half of which on social media.³⁰ The most blocked content categories are gambling, pornography, intellectual property violations, and scams. The ministry also claimed that it has “identified, verified, and validated” over 11,000 internet “hoaxes” – a term broadly used for misinformation.³¹

Pegasus spyware

In June 2023, Organized Crime and Corruption Reporting Project and Forbidden Stories reported that the Indonesian government had been using the Pegasus spyware to surveil its citizens. Pegasus is a zero-click surveillance spyware that can monitor calls, capture text messages, track user locations, and collect passwords, photos, and other data. Based on evidence gathered by the IndonesiaLeaks consortium of investigative journalists, the national intelligence agency and the police have been operating the surveillance tool since 2018.³² The head of the national intelligence agency admitted to using “lawful interception methods” but refuted claims that the agency operates Pegasus.³³ The revelation has raised allegations of spying targeting opposition politicians and human rights defenders in Indonesia.³⁴ According to reports, a number of senior Indonesian officials and diplomats have also been targeted using Pegasus spyware.³⁵

Network Landscape

The government-linked Telkom Indonesia operates fixed-line broadband services, such as Indihome, Astinet, and DigiConnect, and has a majority ownership in the mobile operator Telkomsel. Singapore state-owned Singtel also has significant ownership of Telkomsel. The joint venture between Qatari government-linked Ooredoo and Hong Kong-based CK Hutchison has majority ownership of Indosat, while XL is a subsidiary of Axiata, a Malaysian government-linked corporation.

The government announced nationwide 3G sunset in phases at the beginning of 2022 as a push for mobile operators to upgrade their networks to 4G LTE and prepare for the wider rollout of 5G. Telkomsel completed the shutdown of its entire 3G network in June 2023,³⁶

³⁰ <https://indonesiabaik.id/infografis/yuk-adukan-bersama-konten-negatif>

³¹ <https://aptika.kominfo.go.id/2023/06/sampai-mei-2023-kominfo-identifikasi-11-642-konten-hoaks/>

³²

<https://nasional.tempo.co/read/1739158/fakta-fakta-pegasus-spyware-canggih-yang-disebut-masuk-indonesia>

³³ <https://jaring.id/polri-tidak-pakai-pegasus/>

³⁴ <https://www.asiasentinel.com/p/indonesia-government-spyware-against-opposition>

³⁵ <https://www.bangkokpost.com/world/2404306/senior-indonesian-officials-targeted-by-spyware>

³⁶

<https://inet.detik.com/telecommunication/d-6785599/pengumuman-sinyal-3g-telkomsel-telah-mati-di-seluruh-indonesia>

while XL Axiata finalised its 3G sunset at the end of 2022. However, 5G access, which became commercially available mid-2021, has only reached users in 49 out of over 500 cities and regencies as of 2022 according to the Ministry of Communication and Information Technology.³⁷ Indonesia faces significant challenges in its nationwide 5G implementation especially around technical standards, infrastructure financing, and spectrum permits.³⁸

Despite having the largest digital economy in Southeast Asia, Indonesia is significantly behind its neighbours in the adoption of fixed-line broadband with only around 15% penetration rate as compared to the global average of around 40%.³⁹ Internet users in Indonesia often cite high costs and low speeds as the main reasons for opting out.⁴⁰ Driven by revenue growth in the mobile business, major telecommunications players are leaning into fixed-mobile convergence as a strategy to optimise their service offerings and expand the fixed-line broadband market in Indonesia.⁴¹

In June 2022, Axiata and XL acquired controlling stake in Link Net, one of the leading providers of fixed-line broadband internet and cable television services in Indonesia.⁴² In April 2023, Telkom Indonesia announced the merger of its fixed-line broadband division IndiHome with Telkomsel, which is a mobile network that it controls. The merger created a new entity worth IDR 58.3 trillion.⁴³ Indihome and Telkomsel are both dominant service providers controlling over 75% and 60% of the market share in their respective verticals. The Indonesian telecommunication industry may see further consolidation as owners of XL and another mobile operator Smartfren have reportedly revived a potential merger deal that fell through in 2021.⁴⁴

³⁷

[https://eppid.kominfo.go.id/storage/uploads/2_26_FA_Laptah_Kominfo_2022_\(Hires\)_\(3\)_compressed.pdf](https://eppid.kominfo.go.id/storage/uploads/2_26_FA_Laptah_Kominfo_2022_(Hires)_(3)_compressed.pdf)

³⁸ Hamzah U. Mustakim (2019) Tantangan Implementasi 5G di Indonesia, INTEGER: Journal of Information Technology, Telkom Institute of Technology Surabaya (ITTS).
<http://ejurnal.itats.ac.id/integer/article/view/561/493>.

³⁹ Khoirul Anam (2023, April 26) Peluang dan Tantangan Bisnis Broadband di Indonesia, CNBC Indonesia.

<https://www.cnbcindonesia.com/tech/20230426145729-37-432466/peluang-dan-tantangan-bisnis-broadband-di-indonesia>.

⁴⁰ Putu Sanjiwacika Wibisana, Utz Pape, Sailesh Tiwari, Natasha Beschoner (2022, June 3) How can Indonesia improve the quality of its internet services and universalize access?, World Bank Blogs.
<https://blogs.worldbank.org/eastasiapacific/how-can-indonesia-improve-quality-its-internet-services-and-universalize-access>.

⁴¹ Aditya Hadi (2023, May 16) Telcos lean on data growth, push fixed-mobile convergence. The Jakarta Post.

<https://www.thejakartapost.com/business/2023/05/16/telcos-lean-on-data-growth-push-fixed-mobile-convergence.html>

⁴² Ahmad Wijaya (2022, June 22) Axiata-XL Axiata akuisisi 66,03 persen Saham Link Net, Antara.
<https://www.antaranews.com/berita/2955257/axiata-xl-axiata-akuisisi-6603-persen-saham-link-net>

⁴³ Aljazeera (2023, April 6) Indonesia's Telkomsel agrees to \$3.9bn merger with broadband arm.
<https://www.aljazeera.com/economy/2023/4/6/indonesias-telkomsel-agrees-to-3-9bn-merger-with-broadband-arm>

⁴⁴ Manuel Baigorri & Elffie Chew (2023, September 5) Axiata, Sinar Mas Revive Talks for Indonesian Unit Deal, Sources Say, Bloomberg.

<https://www.bloomberg.com/news/articles/2023-09-05/axiata-sinar-mas-said-to-revive-talks-for-indonesian-unit-deal>

In June 2023, the Indonesian government launched its SATRIA-1 satellite into space with the aim of bridging the digital divide in the areas of public healthcare, education, and service delivery in the “3T regions” – *terdepan* (leading), *terluar* (remote), *tertinggal* (left behind). Worryingly, the government has also noted that the satellite will also be used for policing and military purposes in these regions.⁴⁵ Developed in collaboration with Thales Alenia (of France) and SpaceX (US), SATRIA-1 is expected to start delivering high throughput satellite internet access at 150 Gbps in the fourth quarter of 2023.⁴⁶

⁴⁵ The Jakarta Post. (2023, June 20) Indonesia’s SATRIA-1 successfully launched into orbit. <https://www.thejakartapost.com/adv/2023/06/20/indonesias-satria-1-successfully-launched-into-orbit.html>

⁴⁶ Ariana Lynn () Asia's Largest Internet Satellite, Indonesia's SATRIA-1, Launched Into Orbit, The Fast Mode. <https://www.thefastmode.com/technology-solutions/32465-asias-largest-internet-satellite-indonesias-satria-1-launched-into-orbit>

Findings on Internet Censorship in Indonesia

All of the findings are based on data collected through OONI from 1 July 2022 to 30 June 2023.

Blocking of Websites

Throughout the one-year period, 1.5 million measurements from 2,831 websites were tested on the OONI Probe. For the purpose of this study, these measurements are grouped into the following classifications:

- **Measured or Measurement Counts:** Refers to the total number of measurements collected through the OONI Probe.
- **Blocked:** Refers to “Confirmed Blocked” in OONI measurements, which are measurements from websites that are automatically confirmed to be blocked (e.g., a block page was served).
- **Likely Blocked:** Refers to “Anomaly” and “Failure” in OONI measurements. Anomalies are measurements that show signs of potential blocking ;however, false positives can occur. Failures refer to Failed experiments in OONI testing, although they can sometimes be symptomatic of censorship.

	Jul-Sep 2022	Oct-Dec 2022	Jan-Mar 2023	Apr-Jun 2023	Total
Measured	250,086	217,688	343,435	707,740	1,518,973
Blocked	15,143	12,146	18,480	56309	102,244
Block rate	6.06%	5.58%	5.38%	7.96%	6.73%
Input	2,562	2,339	2,355	2402	2,831
ASNs	65	52	52	70	132

Table 1: Summary of OONI web connectivity measurements for Indonesia from 1 July 2022 to 30 June 2023

These measurements were analysed using the heuristics stated in Annexe IV. It was found that there were 4337 confirmed blocked websites comprising 526 links, of which 448 were confirmed by OONI and 78 were confirmed only by heuristics. The full list of these confirmed blocked websites can be found in Annexe I.

Category	Category description	Measured	Blocked & Likely Blocked	Rate of Blocked & Likely Blocked
ALDR	Alcohol & Drugs	19,772	1,739	8.80%
ANON	Anonymization and circumvention tools	96,673	12,272	12.70%
COMM	E-commerce	13,257	2,925	22.10%
COMT	Communication Tools	91,859	3,883	4.20%

Category	Category description	Measured	Blocked & Likely Blocked	Rate of Blocked & Likely Blocked
CTRL	Control content	9,328	125	1.30%
CULTR	Culture	56,642	3,188	5.60%
DATE	Online Dating	12,317	3,418	27.80%
ECON	Economics	14,786	1,332	9.00%
ENV	Environment	29,833	1,985	6.70%
FILE	File-sharing	34,193	6,465	18.90%
GAME	Gaming	14,576	2,052	14.10%
GMB	Gambling	28,771	19,667	68.40%
GOVT	Government	21,813	5,577	25.60%
GRP	Social Networking	153,244	9,946	6.50%
HACK	Hacking Tools	17,599	1,483	8.40%
HATE	Hate Speech	6,742	1,355	20.10%
HOST	Hosting and Blogging Platforms	92,695	8,182	8.80%
HUMR	Human Rights Issues	144,218	15,088	10.50%
IGO	Intergovernmental Organisations	4,527	106	2.30%
LGBT	LGBTQ+	78,753	17,930	22.80%
MILX	Terrorism and Militants	7,503	2,257	30.10%
MISC	Miscellaneous content	1,270	11	0.90%
MMED	Media sharing	85,461	12,472	14.60%
NEWS	News Media	234,870	28,324	12.10%
POLR	Political Criticism	45,611	7,012	15.40%
PORN	Pornography	29,306	21,855	74.60%
PROV	Provocative Attire	14,770	8,228	55.70%
PUBH	Public Health	42,222	2,911	6.90%
REL	Religion	66,051	14,681	22.20%
SRCH	Search Engines	24,694	1,935	7.80%
XED	Sex Education	28,103	3,460	12.30%

Table 2: Summary of OONI web connectivity measurements for Indonesia from 1 July 2022 to 30 June 2023 by category

Note: Blocked and likely blocked measurements include Confirmed Blocked, Anomaly, and Failures on OONI measurements.

The sections below discuss the blocking of websites by certain categories and events relevant to Indonesia.

Pornography

Websites categorised as pornography were the most blocked in Indonesia during the reporting period.

In this category, 74 websites comprising 93 links were found to be blocked. Out of the 83 links that were blocked, 88 were confirmed by the OONI Probe and 5 were confirmed through heuristic analysis only. More than half of the blocking indicated both DNS tampering and HTTP blocking (53%) as opposed to DNS tampering only (44.6%) or HTTP blocking only (2.4%).

98.0% of these websites were also listed on the government block list (TrustPositif).

Gambling

Gambling websites were the second most blocked in Indonesia during the reporting period, with 63 websites comprising 67 links found to be blocked. Out of the 67 links that were blocked, 60 were confirmed by OONI Probe and 7 were confirmed through heuristic analysis only. Almost half of the blocking indicated both DNS tampering and HTTP blocking (48.5%) as opposed to DNS tampering only (45.5%) or HTTP blocking only (6.1%).

In addition, 85.1% of these websites were listed on TrustPositif.

Provocative Attire

Websites categorised as provocative attire were the third most blocked in Indonesia during the reporting period.

In this category, 16 websites comprising 20 links were found to be blocked. Out of the 20 links that were blocked, 18 were confirmed by OONI Probe and 2 were confirmed through heuristic analysis only. Half of the blocking indicated DNS tampering only as opposed to both DNS tampering and HTTP blocking (32.1%) or HTTP blocking only (17.9%).

In addition, 85.0% of these websites were listed on the government block list (TrustPositif).

Political Criticism and Terrorism and Militants

The study also found that websites categorised as political criticism and terrorism and militants were blocked at a significant rate. These categories are analysed together because a significant number of websites categorised under terrorism and militants actually belong to groups related to the West Papua independence movement, some of which have been designated as terrorist groups by the Indonesian government even though they may not necessarily be so.

In this category, 14 websites comprising 16 links were found to be blocked. Out of the 16 links that were blocked, 13 were confirmed by OONI Probe and 3 were confirmed through heuristic analysis only. More than half of the blocking indicated HTTP blocking only (51.6%) as opposed to DNS tampering only (32.3%) or both DNS tampering and HTTP blocking (16.1 per cent).

Only 56.2% of these websites were listed on TrustPositif.

Online Dating and LGBTQ+

Websites categorised as online dating and LGBTQ+ are blocked at a relatively high rate. These categories are analysed together because some websites categorised under LGBTQ+ are online dating apps and online forums targeted at the LGBTQ+ communities.

In this category, 34 websites comprising 39 links were found to be blocked by. Out of the 39 links that were blocked, 38 were confirmed by OONI Probe and 1 were confirmed through heuristic analysis only. Less than one third of the blocking indicated both DNS tampering and HTTP blocking (28.8%) as opposed to DNS tampering only (35.6 per cent) or HTTP blocking only (35.6%).

Most of these websites (87.2%) were listed on TrustPositif.

Religion

The study found a number of websites categorised under religion to be blocked. Most of these websites belong to minority religious groups or former Islamic groups.

19 websites comprising 20 links were found to be blocked by. Out of the 20 links that were blocked, 16 were confirmed by OONI Probe and 4 were confirmed through heuristic analysis only. More than half of the blocking indicated HTTP blocking only (55.8 per cent) as opposed to DNS tampering only (28.8 per cent) or both DNS tampering and HTTP blocking (15.4 per cent).

Only 60.0% of these websites were listed on TrustPositif.

E-commerce

In the e-commerce category, 20 websites comprising 27 links were found to be blocked. Most of the blocked websites are online payment gateways, cryptocurrency exchanges, forex trading, and commercial marketplaces. Out of the 27 links that were blocked, 25 were confirmed by OONI Probe and 2 were confirmed through heuristic analysis only. Most of the blocking indicated DNS tampering only (85.7%) as opposed to both DNS tampering and HTTP blocking (9.5%) or HTTP blocking only (4.8%).

70.4% of these websites were listed on TrustPositif.

Hate Speech

In the hate speech category, 12 websites were found to be blocked. Most of these websites host offensive content against certain groups of specific religions, ethnicities, sexualities, and nationalities. All 12 links that were blocked were confirmed by the OONI Probe. More than half of the blocking indicated HTTP blocking only (55.6%) as opposed to DNS tampering only (33.3%) or both DNS tampering and HTTP blocking (11.1%).

Next, 75.0% of these websites were listed on TrustPositif.

File-sharing and Media-sharing

For file-sharing and media-sharing websites, 35 websites comprising 38 links were found to be blocked during the reporting period. These categories are analysed together as they are largely used for distribution of entertainment audio and video content which may include unlawful content or content shared unlawfully in Indonesia.

Out of the 38links, 35 were confirmed by OONI Probe and 3 were confirmed through heuristic analysis only. Additionally, 39% of the blocking indicated HTTP blocking only and another 39% DNS tampering only. Less than a quarter of the same indicated both HTTP blocking and DNS tampering (22%).

Out of all blocked websites, 76.3% were listed on TrustPositif.

Methods of Blocking of Websites

Out of all blocked websites, 42.6% of the websites confirmed to be blocked indicated HTTP blocking only, 36.2% were found to be blocked through DNS tampering, and 21.2% had both HTTP blocking and DNS tampering. Additionally, we found that 78.1% of these websites were listed on TrustPositif as of July 2023, which may suggest that ISPs are unilaterally blocking websites more than what have been mandated by the centralised block list. Another reason could be that some of the blocked websites have been removed from TrustPositif. It could also be that there needs to be a more thorough review of the blocking fingerprints marked on OONI or in the heuristic analysis.

Blocking of Instant Messaging Apps

	Facebook Messenger	Signal	Telegram	Whatsapp
Total Measurements	17,084	14,116	16,331	16,409
Percentage of blocked and likely blocked	0.7%	2.5%	1.7%	0.9%

Note: Failed measurements are discarded from this table.

As the updates on these instant messaging apps are beyond OONI's control, the OONI Probe may experience testing issues due to app changes that happen from time to time. Hence, failed measurements or anomalies that were identified as false positives were discarded from the table. In particular, these include measurements from the following tests and periods:

- Signal: 4-30 May 2023

Blocking of Circumvention Tools

	Psiphon	Tor	Tor Snowflake	Vanilla Tor
Total Measurements	16,235	15,852	13,500	13,357
Percentage of blocked and likely blocked	0.5%	4.5%	8.3%	0.0%

Acknowledgement of Limitations

- **Period of study**

This study's findings are limited to network measurements collected from 1 July 2022 to 30 June 2023 to examine the most recent censorship trends and events.

- **Vantage points**

Although the network measurements were collected from 132 vantage points in the Philippines, testing using the OONI software was not done consistently across all networks.

- **Use of input/URL as unit of measurement of websites**

In general, "URL" (or in OONI's terms – input) and "domain" are interchangeable terms used to refer to a website. In the OONI test list, full URLs are input in the probe to be tested for censorship, similar to a URL starting with "https" or "http" in a browser. The censorship can involve tampering of DNS, HTTP, or other types of censorship. Depending on the method, the blocking can either be at the URL or domain level. However, when analysing results on OONI, the reader needs to note that there are differences in the numbers with respect to the specific input or domain.

In the 2022 report, domain was used as a unit of measurement of a website so as to reduce duplicates when measuring the number of websites blocked. For this 2023 report, however, input is used instead, as it may give more context as to why the web page is blocked. The findings would also be categorised more accurately according to the CitizenLab test lists, which are in URL format. To better understand the findings on the state of censorship, we used percentage of blocked or likely blocked instead of actual counts based on OONI test results.

- **Differences in numbers with OONI data**

The findings in this report have been further processed from OONI's data, whereby more confirmed blockings were obtained and false ones eliminated through additional heuristics and manual verification by iMAP researchers based on country or local context. While these heuristics will eventually be added to OONI's fingerprints, OONI will only process them for future testing.

Additionally, iMAP researchers have categorised blocked websites that were not part of the CitizenLab test lists but were tested on OONI via custom test lists. Hence, the figures in this report may differ from the results on the OONI Explorer.

- **Testing of instant messaging apps and circumvention tools**

The instant messaging apps and circumvention tools included in this report are limited to those tested on OONI. Therefore, they may not reflect the state of censorship of apps more commonly used in India.

Conclusion

The three categories with the highest rate of blocked or likely blocked were Pornography, Gambling and Provocative Attire. There are also a significant number of blockings in the LGBT, Terrorism and Military, and Hate Speech categories.

Compared to the confirmed blockings found last year, a few blockings were newly detected this year, including www.kucoin.com (a cryptocurrency website), gist.github.com, sinarharapan.co.id, and limetorrents.pro. However, this may be due to additions to the test list or newly detected blocking fingerprints.

In terms of method of blocking, the ISPs either implemented HTTP or DNS blocking based on the government block list, i.e., TrustPositif. The study also found that about 20% of the confirmed blockings were not detected on the block list, but this may be due to various reasons, such as the website being unblocked or the ISP blocking more than what they should have.

Contribute to the study

If you would like to contribute to the OONI measurements, there are several ways to get involved:

- Testing: You may test on [various platforms](#), both on Mobile (iOS and Android) and Desktop, including on the CLI on Linux platforms. The domains you test can be either randomly selected from the [Citizenlab Test Lists](#) or custom test lists specific to your needs.
- Contribute to the test lists: You can contribute to the test lists on GitHub or on [OONI](#).
- Translation: Translate the OONI Probe to your local language [here](#).
- Join the community: Participate in community discussions on [OONI's Slack channel](#).

Acknowledgements

This section shows gratitude to local partners, activists, academicians, researchers, and anonymous users in Indonesia in running the OONI Probe.

Annex I: List of confirmed blockings

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
Alcohol & Drugs (ALDR)							
beer.com	Listed	http://www.beer.com/	ALDR	OONI Probe & Heuristics	AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, HTTP Blocking, DNS Tampering	OONI Explorer
		https://www.beer.com/	ALDR	OONI Probe & Heuristics	AS17451, AS7713	DNS Tampering	OONI Explorer
budweiser.com	Listed	http://www.budweiser.com/	ALDR	OONI Probe & Heuristics	AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
		https://www.budweiser.com/	ALDR	OONI Probe & Heuristics	AS17451, AS7713	DNS Tampering	OONI Explorer
cannabis.info	Not Listed	http://www.cannabis.info/	ALDR	Heuristics	AS7713	DNS Tampering	OONI Explorer
hightimes.com	Listed	https://hightimes.com/	ALDR	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700,	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287		
moderndrunkardmagazine.com	Not Listed	http://www.moderndrunkardmagazine.com/	ALDR	OONI Probe & Heuristics	AS4761, AS23693	HTTP Blocking, DNS Tampering	OOONI Explorer
Anonymization and Circumvention Tools (ANON)							
allproxysites.com	Not Listed	http://www.allproxysites.com/	ANON	OONI Probe & Heuristics	AS17451, AS23693	HTTP Blocking, DNS Tampering	OOONI Explorer
anonymat.org	Not Listed	http://anonymat.org/	ANON	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer
anonymizer.ru	Not Listed	http://www.anonymizer.ru/	ANON	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer
anonymizer.secuser.com	Not Listed	http://anonymizer.secuser.com/	ANON	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer
anonymouse.org	Listed	http://anonymouse.org/	ANON	OONI Probe & Heuristics	AS55685, AS136088, AS23951, AS24203, AS18004, AS38060, AS38320, AS17451, AS17995, AS17885, AS21859, AS131111,	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS24532, AS135478, AS139994, AS142369, AS24207, AS9905, AS45727, AS45287, AS133827		
anonymousproxylst.net	Not Listed	https://anonymousproxylst.net/	ANON	OONI Probe & Heuristics	AS7713, AS23693	DNS Tampering	OONI Explorer
anonymsurfen.com	Not Listed	http://www.anonymsurfen.com/	ANON	OONI Probe & Heuristics	AS7713, AS23693	HTTP Blocking, DNS Tampering	OONI Explorer
guardster.com	Not Listed	http://guardster.com/	ANON	OONI Probe & Heuristics	AS23693	DNS Tampering	OONI Explorer
hidemyass.com	Not Listed	https://www.hidemyass.com/	ANON	OONI Probe & Heuristics	AS7713, AS23693	DNS Tampering	OONI Explorer
http-tunnel.com	Not Listed	http://www.http-tunnel.com/	ANON	OONI Probe & Heuristics	AS17451, AS7713, AS23693	DNS Tampering	OONI Explorer
inetprivacy.com	Not Listed	http://www.inetprivacy.com/	ANON	OONI Probe & Heuristics	AS7713, AS23693	HTTP Blocking, DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
megaproxy.com	Not Listed	https://www.megaproxy.com/	ANON	OONI Probe & Heuristics	AS23693	DNS Tampering	OONI Explorer
multiproxy.org	Not Listed	https://multiproxy.org/	ANON	OONI Probe & Heuristics	AS17451, AS23693	DNS Tampering	OONI Explorer
peacefire.org	Not Listed	http://www.peacefire.org/circumventor/simple-circumventor-instructions.html	ANON	OONI Probe & Heuristics	AS23693	DNS Tampering	OONI Explorer
protonmail.com	Not Listed	http://protonmail.com	ANON	Heuristics	AS4787	DNS Tampering	OONI Explorer
		https://protonmail.com	ANON	Heuristics	AS4787	DNS Tampering	OONI Explorer
proxify.com	Not Listed	https://proxify.com/	ANON	OONI Probe & Heuristics	AS23693	DNS Tampering	OONI Explorer
proxy.org	Not Listed	http://proxy.org/	ANON	OONI Probe & Heuristics	AS23693	DNS Tampering	OONI Explorer
securevpn.im	Not Listed	https://securevpn.im/	ANON	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
startmail.com	Listed	http://startmail.com	ANON	OONI Probe & Heuristics	AS9341	HTTP Blocking	OONI Explorer
		https://startmail.com	ANON	Heuristics	AS4787	DNS	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
						Tampering	Explorer
tor.eff.org	Not Listed	https://tor.eff.org/	ANON	OONI Probe & Heuristics	AS7713, AS23693	DNS Tampering	OOONI Explorer
ultimate-anonymity.com	Listed	http://www.ultimate-anonymity.com/	ANON	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS45292, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OOONI Explorer
xroxy.com	Not Listed	http://www.xroxy.com/	ANON	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer
		https://www.xroxy.com/	ANON	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer
E-commerce (COMM)							
binance.com	Listed	https://www.binance.com/	COMM	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	DNS Tampering	OOONI Explorer
binomo.com	Listed	https://www.binomo.com	COMM	OONI Probe &	AS23700	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Heuristics			
biocyressonline.net	Not Listed	https://biocyressonline.net/	COMM	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
blockchain.com	Listed	http://blockchain.com	COMM	OONI Probe & Heuristics	AS17451	DNS Tampering	OOONI Explorer
circle.com	Listed	http://circle.com	COMM	OONI Probe & Heuristics	AS17451	DNS Tampering	OOONI Explorer
coinbase.com	Listed	https://www.coinbase.com/	COMM	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS23700, AS4761, AS63859, AS17451, AS7713, AS45727, AS24203, AS17885	DNS Tampering	OOONI Explorer
craigslist.org	Not Listed	https://www.craigslist.org/	COMM	OONI Probe			OOONI Explorer
deriv.com	Listed	http://deriv.com	COMM	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer
kraken.com	Listed	https://www.kraken.com/	COMM	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203, AS17885	DNS Tampering	OOONI Explorer
krucil.com	Listed	http://www.krucil.com/for	COMM	OONI	AS23693, AS4800,	DNS	OOONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
		umdisplay.php?f=5/		Probe & Heuristics	AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	Tampering	Explorer
maxim.com	Listed	https://www.maxim.com	COMM	OONI Probe & Heuristics	AS23700	DNS Tampering	OONI Explorer
passvipclub.com	Listed	http://passvipclub.com/	COMM	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OONI Explorer
paypal.com	Not Listed	http://paypal.com	COMM	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
	Not Listed	https://paypal.com	COMM	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
	Not Listed	https://paypal.com/	COMM	Heuristics	AS23693	DNS Tampering	OONI Explorer
	Not Listed	https://www.paypal.com	COMM	Heuristics	AS23693	DNS Tampering	OONI Explorer
	Not Listed	https://www.paypal.com/	COMM	OONI Probe &	AS7713	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Heuristics			
ph-store.com	Listed	http://www.ph-store.com/	COMM	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OOONI Explorer
tradeeasy.com	Listed	https://www.tradeeasy.com/	COMM	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	DNS Tampering	OOONI Explorer
uphold.com	Listed	https://uphold.com/	COMM	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS23700, AS4761, AS63859, AS17451, AS7713, AS45727, AS24203	DNS Tampering	OOONI Explorer
usedhaiti.com	Listed	https://www.usedhaiti.com/	COMM	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	DNS Tampering	OOONI Explorer
Communication Tools (COMT)							
dit.whatsapp.net	Not Listed	https://dit.whatsapp.net/robots.txt	COMT	Heuristics	AS17451, AS135478	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
iconnecthere.com	Not Listed	https://www.iconnecthere.com/	COMT	OONI Probe & Heuristics	AS17451, AS7713, AS23693	HTTP Blocking, DNS Tampering	OONI Explorer
mailinator.com	Not Listed	http://www.mailinator.com/	COMT	Heuristics	AS24203, AS23693	HTTP Blocking, DNS Tampering	OONI Explorer
omegle.com	Listed	https://www.omegle.com	COMT	OONI Probe			OONI Explorer
site.voicepulse.com	Not Listed	https://site.voicepulse.com/	COMT	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
startmail.com	Listed	https://www.startmail.com/	COMT	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS24207, AS24203, AS45727, AS45287, AS17995, AS17885	DNS Tampering	OONI Explorer
Culture (CULTR)							
asstr.org	Listed	https://www.asstr.org/	CULTR	OONI Probe & Heuristics	AS55685, AS23700, AS142369, AS17451, AS7713, AS45287	DNS Tampering	OONI Explorer
beritapanasselebritis.blogspot.com	Listed	http://beritapanasselebritis.blogspot.com/	CULTR	OONI Probe & Heuristics	AS55685, AS17451, AS7713	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
board.4chan.org	Not Listed	https://board.4chan.org	CULTR	OONI Probe & Heuristics	AS4761	DNS Tampering	OOONI Explorer
dennysiregar.id	Not Listed	https://www.dennysiregar.id/	CULTR	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
dongengbudaya.wordpress.com	Listed	https://dongengbudaya.wordpress.com/	CULTR	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS18004, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS17995, AS24203, AS45287	DNS Tampering	OOONI Explorer
doujindesu.com	Listed	http://doujindesu.com/	CULTR	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
fanfiction.net	Not Listed	https://www.fanfiction.net/	CULTR	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer
hitomi.la	Listed	https://hitomi.la	CULTR	OONI Probe & Heuristics	AS4761	DNS Tampering	OOONI Explorer
literotica.com	Listed	https://www.literotica.com/	CULTR	OONI Probe & Heuristics	AS141134, AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
lushstories.com	Listed	https://www.lushstories.com/	CULTR	OONI Probe & Heuristics	AS141134, AS23693, AS4800, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
mangahub.io	Listed	http://mangahub.io	CULTR	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
nekopoi.care	Listed	https://nekopoi.care	CULTR	OONI Probe & Heuristics	AS63859, AS4761, AS45727	DNS Tampering	OOONI Explorer
newgrounds.com	Listed	http://newgrounds.com	CULTR	OONI Probe & Heuristics	AS23951	DNS Tampering	OOONI Explorer
	Listed	https://newgrounds.com	CULTR	OONI Probe			OOONI Explorer
subscene.com	Listed	https://subscene.com/	CULTR	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
Online Dating (DATE)							
adultfriendfinder.com	Listed	https://adultfriendfinder.com/	DATE	OONI Probe &	AS23693, AS4800, AS139994, AS55685,	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Heuristics	AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287		
date.com	Listed	http://www.date.com/	DATE	OONI Probe & Heuristics	AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203	HTTP Blocking, DNS Tampering	OOONI Explorer
	Listed	https://date.com/	DATE	OONI Probe & Heuristics	AS17451, AS7713, AS23693	DNS Tampering	OOONI Explorer
dateinasia.com	Not Listed	https://www.dateinasia.com/	DATE	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer
datingdirect.com	Listed	https://www.datingdirect.com/	DATE	OONI Probe & Heuristics	AS55685, AS142369, AS17451, AS7713, AS24203, AS45287	DNS Tampering	OOONI Explorer
friendfinder.com	Not Listed	https://friendfinder.com/	DATE	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer
mate1.com	Listed	http://www.mate1.com/	DATE	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727,	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS24203, AS17995, AS45287		
online-dating.org	Listed	http://www.online-dating.org/	DATE	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
spark.com	Listed	https://www.spark.com/	DATE	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	DNS Tampering	OONI Explorer
worldsingles.com	Listed	https://worldsingles.com/	DATE	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
Economics (ECON)							
bitcoin-mix.org	Not Listed	https://bitcoin-mix.org/	ECON	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
coinex.com	Listed	https://www.coinex.com/	ECON	OONI	AS23693, AS4800,	DNS	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Probe & Heuristics	AS55685, AS4761, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203	Tampering	Explorer
kucoin.com	Listed	https://www.kucoin.com/	ECON	OONI Probe & Heuristics	AS23693, AS23700, AS17451, AS7713, AS24203	DNS Tampering	OOONI Explorer
Environment (ENV)							
earth-liberation-front.org	Listed	http://earth-liberation-front.org/	ENV	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS139994, AS63859, AS142369, AS17451, AS7713, AS17995, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OOONI Explorer
ie2i.org	Not Listed	https://www.ie2i.org/	ENV	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
File-sharing (FILE)							
1337x.st	Listed	https://1337x.st/	FILE	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203, AS17995	DNS Tampering	OOONI Explorer
1337x.to	Listed	https://1337x.to/	FILE	OONI Probe &	AS23693, AS4800, AS55685, AS4761,	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Heuristics	AS23700, AS63859, AS17451, AS7713, AS45727, AS24203, AS17995		
eztv.ag	Listed	https://eztv.ag/	FILE	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203, AS17995, AS18004	DNS Tampering	OOONI Explorer
kat.am	Listed	https://kat.am/	FILE	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS136052, AS17451, AS7713, AS45727, AS24203, AS17995, AS18004	HTTP Blocking, DNS Tampering	OOONI Explorer
kat.sx	Listed	https://kat.sx/	FILE	OONI Probe & Heuristics	AS23693, AS4800, AS18004, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
katcr.to	Listed	https://katcr.to/	FILE	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS136052, AS17451, AS7713, AS45727,	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS24203, AS17995, AS18004		
kickasstorrents.to	Listed	https://kickasstorrents.to/	FILE	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203, AS17995, AS18004	DNS Tampering	OOONI Explorer
libgen.tw	Not Listed	https://www.libgen.tw/	FILE	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
limetorrents.lol	Listed	https://www.limetorrents.lol/	FILE	OONI Probe & Heuristics	AS139994, AS23693, AS55685, AS23700, AS4761, AS17451, AS7713, AS45727, AS24203	DNS Tampering	OOONI Explorer
limetorrents.pro	Not Listed	https://limetorrents.pro/	FILE	OONI Probe & Heuristics	AS136052	HTTP Blocking	OOONI Explorer
rarbg.to	Listed	https://www.rarbg.to/	FILE	OONI Probe & Heuristics	AS141134, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	DNS Tampering	OOONI Explorer
serials.ws	Not Listed	https://www.serials.ws/	FILE	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
speedtorrent.net	Listed	https://www.speedtorrent.net/	FILE	OONI Probe & Heuristics	AS141134, AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
thepiratebay.org	Listed	https://thepiratebay.org/	FILE	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS136052, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
yts.lt	Listed	https://yts.lt/	FILE	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203	DNS Tampering	OOONI Explorer
yts.mx	Listed	https://yts.mx/	FILE	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	DNS Tampering	OOONI Explorer
Gaming (GAME)							

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
9nagatangkas.com	Listed	http://9nagatangkas.com/	GAME	OONI Probe & Heuristics	AS23693, AS4800, AS18004, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
9nagatangkas.pw	Not Listed	https://9nagatangkas.pw/	GAME	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
adugames.com	Listed	https://www.adugames.com/	GAME	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS136052, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OONI Explorer
counter-strike.net	Not Listed	http://www.counter-strike.net/	GAME	OONI Probe & Heuristics	AS7713, AS45727	HTTP Blocking, DNS Tampering	OONI Explorer
	Not Listed	https://counter-strike.net/	GAME	Heuristics	AS23693	DNS Tampering	OONI Explorer
culturecrusaders.com	Listed	https://culturecrusaders.com	GAME	Heuristics	AS18004	DNS Tampering	OONI Explorer
dota2.com	Not Listed	http://www.dota2.com/	GAME	Heuristics	AS45727	HTTP Blocking	OONI Explorer
	Not Listed	https://dota2.com/	GAME	Heuristics	AS23693	DNS	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
						Tampering	Explorer
epicgames.com	Not Listed	http://epicgames.com/	GAME	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
	Not Listed	http://www.epicgames.com/	GAME	OONI Probe & Heuristics	AS7713, AS45727	HTTP Blocking, DNS Tampering	OOONI Explorer
	Not Listed	https://epicgames.com	GAME	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
	Not Listed	https://epicgames.com/	GAME	OONI Probe & Heuristics	AS45287, AS7713, AS23693	DNS Tampering	OOONI Explorer
	Not Listed	https://www.epicgames.com/	GAME	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
famous.luckynetwork.net	Not Listed	https://famous.luckynetwork.net	GAME	OONI Probe & Heuristics	AS63859	DNS Tampering	OOONI Explorer
lewdgamer.com	Listed	https://www.lewdgamer.com/	GAME	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	DNS Tampering	OOONI Explorer
luckynet.work	Not Listed	http://luckynet.work	GAME	OONI	AS7713	DNS	OOONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Probe & Heuristics		Tampering	Explorer
	Not Listed	http://luckynet.work/rmm	GAME	OONI Probe & Heuristics	AS63859	DNS Tampering	OOONI Explorer
	Not Listed	http://luckynet.work/store	GAME	OONI Probe & Heuristics	AS63859	DNS Tampering	OOONI Explorer
	Not Listed	https://luckynet.work	GAME	OONI Probe & Heuristics	AS4761, AS7713	DNS Tampering	OOONI Explorer
luckynetwork.id	Not Listed	http://luckynetwork.id	GAME	OONI Probe & Heuristics	AS63859	DNS Tampering	OOONI Explorer
	Not Listed	http://www.luckynetwork.id	GAME	OONI Probe			OOONI Explorer
luckynetwork.net	Not Listed	http://luckynetwork.net	GAME	OONI Probe & Heuristics	AS131775, AS23693, AS4761, AS63859, AS38511	HTTP Blocking, DNS Tampering	OOONI Explorer
	Not Listed	http://www.luckynetwork.net	GAME	OONI Probe & Heuristics	AS63859, AS45727	HTTP Blocking, DNS Tampering	OOONI Explorer
	Not Listed	https://luckynetwork.net	GAME	OONI Probe & Heuristics	AS131775, AS23953, AS4761, AS63859, AS7713, AS45727, AS38511	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
	Not Listed	https://www.luckynetwork.net	GAME	OONI Probe & Heuristics	AS63859, AS4761, AS17995, AS45727	DNS Tampering	OONI Explorer
origin.com	Not Listed	http://www.origin.com/	GAME	Heuristics	AS45727	HTTP Blocking	OONI Explorer
	Not Listed	https://origin.com	GAME	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
	Not Listed	https://origin.com/	GAME	Heuristics	AS23693	DNS Tampering	OONI Explorer
	Not Listed	https://www.origin.com/	GAME	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
play.luckynetwork.id	Not Listed	http://play.luckynetwork.id	GAME	OONI Probe & Heuristics	AS17995	DNS Tampering	OONI Explorer
play.luckynetwork.net	Not Listed	http://play.luckynetwork.net	GAME	OONI Probe			OONI Explorer
steamcommunity.com	Not Listed	http://steamcommunity.com/	GAME	Heuristics	AS45727	HTTP Blocking	OONI Explorer
steamcommunity.com	Not Listed	https://steamcommunity.com/	GAME	Heuristics	AS23693	DNS Tampering	OONI Explorer
	Not Listed	https://steamcommunity.com/	GAME	Heuristics	AS23693	DNS Tampering	OONI Explorer
steampowered.com	Not Listed	http://steampowered.com	GAME	Heuristics	AS45727	HTTP Blocking	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
	Not Listed	https://steampowered.com/	GAME	Heuristics	AS23693	DNS Tampering	OOONI Explorer
store.epicgames.com	Not Listed	http://store.epicgames.com/	GAME	Heuristics	AS45727	HTTP Blocking	OOONI Explorer
store.steampowered.com	Not Listed	http://store.steampowered.com/	GAME	OOONI Probe & Heuristics	AS17451, AS7713, AS45727	HTTP Blocking, DNS Tampering	OOONI Explorer
store.steampowered.com	Not Listed	https://store.steampowered.com	GAME	OOONI Probe & Heuristics	AS7713, AS24203	DNS Tampering	OOONI Explorer
	Not Listed	https://store.steampowered.com/	GAME	OOONI Probe & Heuristics	AS45727	DNS Tampering	OOONI Explorer
	Not Listed	https://store.steampowered.com/app/612930/Fight_of_Gods/	GAME	OOONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
svs-games.com	Listed	https://www.svs-games.com/	GAME	OOONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OOONI Explorer
zheg.nastie.co.uk	Listed	http://zheg.nastie.co.uk/	GAME	OOONI Probe & Heuristics	AS23693, AS4800, AS9341, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451,	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS7713, AS45727, AS24203, AS45287, AS17885		
Gambling (GMB)							
180.215.14.121		http://180.215.14.121/	GMB	OONI Probe & Heuristics	AS9341	DNS Tampering	OOONI Explorer
198.96.92.14		http://198.96.92.14/	GMB	OONI Probe & Heuristics	AS9341	DNS Tampering	OOONI Explorer
206.189.185.159		http://206.189.185.159/	GMB	OONI Probe			OOONI Explorer
4online-gambling.com	Listed	http://www.4online-gambling.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
888casino.com	Listed	http://www.888casino.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
	Listed	https://www.888casino.com/	GMB	OONI Probe & Heuristics	AS17451, AS7713, AS23693	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
88bola.com	Listed	http://88bola.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
agenbola.com	Listed	http://www.agenbola.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
agent234.com	Listed	http://www.agent234.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
agentpokerqq.online	Listed	https://agentpokerqq.online/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS136052, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
axiooqq.online	Listed	https://axiooqq.online/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
balabele.com	Not Listed	https://balabele.com/	GMB	OONI Probe & Heuristics	AS7713, AS23693	DNS Tampering	OONI Explorer
betfair.com	Listed	http://www.betfair.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS9341, AS55685, AS23700, AS4761, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
blackjackinfo.com	Listed	http://www.blackjackinfo.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS136052, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
	Listed	https://www.blackjackinfo.com/	GMB	OONI Probe & Heuristics	AS17451, AS7713, AS23693	DNS Tampering	OONI Explorer
bluewafflesdisease.o	Listed	https://www.bluewaffles	GMB ⁴⁷	OONI	AS23693, AS139994,	DNS	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
rg		disease.org/		Probe & Heuristics	AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	Tampering	Explorer
bolanaga.com	Listed	http://bolanaga.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
bolauntung.com	Listed	http://bolauntung.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
bolazoom.com	Listed	http://bolazoom.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer

⁴⁷ Based on captures on Internet Archive Wayback Machine, the now-defunct website used to contain hoax content purported to provide information on a medical condition.

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
bwin.com	Listed	http://bwin.com	GMB	Heuristics	AS4787	DNS Tampering	OOONI Explorer
bwinkasino.com	Listed	https://bwinkasino.com/	GMB	OOONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
cardschat.com	Listed	https://www.cardschat.com/	GMB	Heuristics	AS23693	DNS Tampering	OOONI Explorer
casino.com	Listed	https://www.casino.com/	GMB	OOONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	DNS Tampering	OOONI Explorer
casinotropez.com	Listed	http://www.casinotropez.com/	GMB	OOONI Probe & Heuristics	AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, HTTP Blocking, DNS Tampering	OOONI Explorer
clubdicecasino.com	Listed	http://www.clubdicecasino.com/	GMB	OOONI Probe & Heuristics	AS45287, AS17451, AS7713, AS24203	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
eurogrand.com	Listed	http://www.eurogrand.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
europacasino.com	Listed	http://www.europacasino.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
	Listed	https://www.europacasino.com/	GMB	OONI Probe & Heuristics	AS17451, AS7713	DNS Tampering	OOONI Explorer
fifabola.com	Listed	http://fifabola.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS58369, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
gambling.com	Listed	https://www.gambling.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727,	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS24203, AS17995, AS45287		
globet.com	Listed	http://www.globet.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
goldenpalace.com	Listed	https://www.goldenpalace.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
goldenrivieracasino.com	Listed	http://www.goldenrivieracasino.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
human-rights-for-all.org	Listed	http://human-rights-for-all.org/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203,	HTTP Blocking, HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS17995, AS45287		
indoagen.com	Listed	http://www.indoagen.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
indolucky7.com	Listed	http://indolucky7.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
kasirjudi.online	Listed	https://kasirjudi.online/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
liga95.com	Listed	https://liga95.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS17995, AS24203	HTTP Blocking, DNS Tampering	OOONI Explorer
luckynugget.com	Not Listed	http://www.luckynugget.com/	GMB	OONI	AS63859, AS4761,	HTTP	OOONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
		com/		Probe & Heuristics	AS23693	Blocking, DNS Tampering	Explorer
macauindo.net	Listed	https://macauindo.net/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
monacogoldcasino.com	Not Listed	http://www.monacogoldcasino.com/	GMB	Heuristics	AS63859, AS23693	HTTP Blocking, DNS Tampering	OOONI Explorer
ofhumanrights.org	Listed	https://ofhumanrights.org/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	DNS Tampering	OOONI Explorer
online.worldcasinodirectory.com	Not Listed	https://online.worldcasinodirectory.com/philippines	GMB	Heuristics	AS23693	DNS Tampering	OOONI Explorer
onlinecasinosite.com	Listed	https://onlinecasinosite.com/philippines/	GMB	Heuristics	AS23693	DNS Tampering	OOONI Explorer
onlinegambling.com	Listed	https://www.onlinegambling.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700,	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287		
partypoker.com	Listed	http://www.partypoker.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
partypoker.net	Listed	https://www.partypoker.net/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
pencetjudi.com	Listed	https://pencetjudi.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
poker.com	Listed	http://www.poker.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369,	HTTP Blocking, DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS17451, AS7713, AS45727, AS24203, AS45287		
poker88.com	Listed	http://poker88.com	GMB	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
pokerstars.com	Listed	http://www.pokerstars.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
roma77.com	Listed	https://www.roma77.com	GMB	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
royalvegas.com	Listed	http://www.royalvegas.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS9341, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
saranghoki2.com	Listed	https://saranghoki2.com/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS4761, AS23700, AS63859, AS136052, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
sbobet.com	Listed	https://sbobet.com	GMB	Heuristics	AS23693	DNS Tampering	OONI Explorer
slotland.com	Listed	http://www.slotland.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
spinpalace.com	Listed	http://www.spinpalace.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS9341, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
sportingbet.com	Listed	http://www.sportingbet.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
sportsinteraction.com	Listed	http://www.sportsinteraction.com/	GMB	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS9341, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203,	HTTP Blocking, DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS45287		
sukabet.co	Listed	https://sukabet.co/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
taruhan.org	Listed	http://taruhan.org/	GMB	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
toponlinecasino.com.ph	Listed	https://toponlinecasino.com.ph/	GMB	Heuristics	AS23693	DNS Tampering	OOONI Explorer
usacasino.com	Not Listed	http://www.usacasino.com/	GMB	OONI Probe & Heuristics	AS55685, AS17451	HTTP Blocking, HTTP Blocking	OOONI Explorer
vegas.williamhill.com	Not Listed	https://vegas.williamhill.com/	GMB	OONI Probe & Heuristics	AS17451, AS7713, AS23693	DNS Tampering	OOONI Explorer
Government (GOVT)							
103.154.123.132	#N/A	http://103.154.123.132	GOVT	Heuristics	AS4787	DNS Tampering	OOONI Explorer
139.255.196.196	#N/A	http://139.255.196.196	GOVT	Heuristics	AS4787	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
disdukcapil.kutaikartanegarakab.go.id	Not Listed	http://disdukcapil.kutaikartanegarakab.go.id/	GOVT	Heuristics	AS7713	DNS Tampering	OONI Explorer
epa.gov	Not Listed	https://www.epa.gov/	GOVT	OONI Probe			OONI Explorer
mnr.gov.cn	Not Listed	http://www.mnr.gov.cn/	GOVT	Heuristics	AS141134	DNS Tampering	OONI Explorer
Social Networking (GRP)							
4chan.org	Listed	http://4chan.org	GRP	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
	Listed	https://4chan.org	GRP	OONI Probe & Heuristics	AS4761	DNS Tampering	OONI Explorer
	Listed	https://www.4chan.org/	GRP	OONI Probe & Heuristics	AS38506, AS55685, AS136088, AS38482, AS24203, AS18004, AS38320, AS17451, AS17995, AS17885, AS21859, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS139994, AS58369, AS142369, AS24207, AS9905, AS45727, AS45287, AS133827, AS59139	DNS Tampering	OONI Explorer
blued.com	Listed	https://www.blued.com/	GRP	OONI	AS38506, AS55685,	DNS	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Probe & Heuristics	AS136088, AS23951, AS38482, AS24203, AS18004, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS4761, AS23700, AS63859, AS7713, AS135478, AS139994, AS142369, AS24207, AS9905, AS45727, AS45287, AS133827, AS59139	Tampering	Explorer
boyahoy.com	Not Listed	http://boyahoy.com/	GRP	OONI Probe & Heuristics	AS63859, AS55685, AS55666, AS45727	DNS Tampering	OOONI Explorer
forum.em.org	Not Listed	https://forum.EM.org	GRP	Heuristics	AS7713	DNS Tampering	OOONI Explorer
id-joomla.com	Not Listed	http://www.id-joomla.com/	GRP	Heuristics	AS7713, AS23693	HTTP Blocking, DNS Tampering	OOONI Explorer
mastodon.sdf.org	Not Listed	https://mastodon.sdf.org/	GRP	Heuristics	AS7713	DNS Tampering	OOONI Explorer
nswf.reddit.com	Listed	https://nswf.reddit.com	GRP	OONI Probe			OOONI Explorer
omegle.com	Listed	http://omegle.com	GRP	Heuristics	AS4761	HTTP Blocking	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
oorth.me	Not Listed	https://www.oorth.me/	GRP	OONI Probe & Heuristics	AS55685, AS17451, AS23693	HTTP Blocking, HTTP Blocking	OONI Explorer
reddit.com	Listed	http://reddit.com	GRP	OONI Probe & Heuristics	AS135478, AS23693, AS23700, AS7713, AS45727, AS24203, AS18004, AS141607	HTTP Blocking, DNS Tampering	OONI Explorer
	Listed	http://www.reddit.com	GRP	OONI Probe & Heuristics	AS18004, AS138871, AS24203	HTTP Blocking, DNS Tampering	OONI Explorer
	Listed	http://www.reddit.com/r/indonesia	GRP	OONI Probe & Heuristics	AS9341, AS23693	HTTP Blocking	OONI Explorer
	Listed	https://reddit.com	GRP	OONI Probe & Heuristics	AS23700, AS24203, AS23693	DNS Tampering	OONI Explorer
	Listed	https://www.reddit.com	GRP	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
	Listed	https://www.reddit.com/r/SpaceflightSimulator/	GRP	OONI Probe & Heuristics	AS45727	DNS Tampering	OONI Explorer
scontent-frm3-2.cdninstagram.com	Not Listed	https://scontent-frm3-2.cdninstagram.com/favicon.ico	GRP	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
Hacking Tools (HACK)							

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
blockchain.com	Listed	https://www.blockchain.com/	HACK	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203, AS17885	DNS Tampering	OOONI Explorer
phenoelit.org	Not Listed	http://www.phenoelit.org/	HACK	Heuristics	AS7713	DNS Tampering	OOONI Explorer
Hate Speech (HATE)							
buktidansaksi.com	Listed	http://buktidansaksi.com/	HATE	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, HTTP Blocking, DNS Tampering	OOONI Explorer
godhatesfags.com	Listed	https://godhatesfags.com/	HATE	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
indonbodoh.blogspot.com	Listed	https://indonbodoh.blogspot.com/	HATE	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203,	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS17995, AS45287		
nahimunkar.org	Not Listed	https://www.nahimunkar.org/kelakuan-orang-cina-indonesia-anda-mau-tahu/	HATE	OONI Probe			OONI Explorer
nazi-lauck-nsdapao.com	Not Listed	http://www.nazi-lauck-nsdapao.com/	HATE	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
Hosting and Blogging Platforms (HOST)							
15.235.142.181		http://15.235.142.181	HOST	OONI Probe			OONI Explorer
45.118.133.198		http://45.118.133.198	HOST	OONI Probe			OONI Explorer
asianbookie.com	Listed	http://www.asianbookie.com/ch/index.cfm?/	HOST	OONI Probe & Heuristics	AS55685, AS24203, AS136052, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS45727, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
bravo-pass.com	Listed	http://bravo-pass.com/	HOST	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS9905, AS24203,	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS17995, AS45287, AS17885		
ceritacerita.com	Listed	http://ceritacerita.com/	HOST	OONI Probe & Heuristics	AS135478, AS55666, AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS17995, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OOONI Explorer
freeservers.com	Not Listed	http://www.freeservers.com/	HOST	OONI Probe & Heuristics	AS55666, AS23693	DNS Tampering	OOONI Explorer
gist.github.com	Not Listed	https://gist.github.com/discover	HOST	OONI Probe			OOONI Explorer
locita.co	Not Listed	https://locita.co/	HOST	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
mupeng.com	Listed	http://mupeng.com/forums/198-18-Tahun-Aza/	HOST	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS139994, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287, AS17885	HTTP Blocking, DNS Tampering	OOONI Explorer
ocsp.int-x3.letsencrypt.org	Not Listed	http://ocsp.int-x3.letsencrypt.org/	HOST	OONI Probe &	AS7713	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Heuristics			
webhostingterbaik.id	Not Listed	https://www.webhostingterbaik.id/	HOST	Heuristics	AS7713	DNS Tampering	OONI Explorer
Human Rights Issues (HUMR)							
adhoc-cambodia.org	Listed	http://www.adhoc-cambodia.org/	HUMR	OONI Probe & Heuristics	AS23693	DNS Tampering	OONI Explorer
bahasan.id	Not Listed	https://bahasan.id/	HUMR	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
bennywenda.org	Listed	http://bennywenda.org	HUMR	Heuristics	AS58495	DNS Tampering	OONI Explorer
brookings.edu	Not Listed	https://www.brookings.edu/	HUMR	Heuristics	AS7713	DNS Tampering	OONI Explorer
chrac.org	Listed	http://www.chrac.org/	HUMR	OONI Probe & Heuristics	AS23693	DNS Tampering	OONI Explorer
freespeech.org	Listed	https://freespeech.org/	HUMR	OONI Probe & Heuristics	AS55685, AS23951, AS24203, AS18004, AS38060, AS17451, AS17995, AS131111, AS23693, AS4800, AS4761, AS23700, AS63859, AS7713, AS24532, AS135478, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS45287	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
	Listed	https://www.freespeech.org/	HUMR	OONI Probe & Heuristics	AS23693, AS55685, AS45292, AS23700, AS38320, AS142369, AS17451, AS7713, AS24203, AS45287	DNS Tampering	OOONI Explorer
freespeechcoalition.com	Listed	https://www.freespeechcoalition.com/	HUMR	OONI Probe & Heuristics	AS55685, AS45292, AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS38758, AS45287	DNS Tampering	OOONI Explorer
genderandaids.unwomen.org	Not Listed	https://genderandaids.unwomen.org/	HUMR	OONI Probe & Heuristics	AS4761	DNS Tampering	OOONI Explorer
guerrillagirls.com	Listed	http://guerrillagirls.com/	HUMR	OONI Probe & Heuristics	AS55685, AS136088, AS23951, AS24203, AS18004, AS150517, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS24532, AS135478, AS55666, AS139994,	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS142369, AS24207, AS9905, AS45727, AS45287		
	Listed	https://www.guerrillagirls.com/	HUMR	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS23693, AS4800, AS23700, AS4761, AS63859, AS7713, AS55666, AS139994, AS142369, AS24207, AS45727, AS45287	DNS Tampering	OONI Explorer
hrcr.org	Not Listed	http://www.hrcr.org/	HUMR	Heuristics	AS7713	DNS Tampering	OONI Explorer
hrlibrary.umn.edu	Not Listed	http://hrlibrary.umn.edu/iwraw/	HUMR	Heuristics	AS23693	HTTP Blocking	OONI Explorer
hrusa.org	Not Listed	http://www.hrusa.org/	HUMR	OONI Probe & Heuristics	AS17451, AS23693	HTTP Blocking	OONI Explorer
hrwg.org	Listed	https://hrwg.org/	HUMR	OONI Probe & Heuristics	AS55685, AS23951, AS24203, AS18004, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS4761, AS23700, AS63859, AS7713, AS24532, AS135478, AS55666, AS139994, AS58369,	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS142369, AS24207, AS9905, AS45727, AS45287		
infopapua.org	Listed	http://infopapua.org/	HUMR	OONI Probe & Heuristics	AS149736, AS55685, AS136088, AS23951, AS24203, AS18004, AS150517, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS4761, AS23700, AS63859, AS7713, AS24532, AS135478, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
kiwifarms.net	Not Listed	http://kiwifarms.net	HUMR	OONI Probe			OOONI Explorer
	Not Listed	https://kiwifarms.net	HUMR	OONI Probe & Heuristics	AS4761	DNS Tampering	OOONI Explorer
mampu.or.id	Not Listed	https://www.mampu.or.id/	HUMR	Heuristics	AS7713	DNS Tampering	OOONI Explorer
pdhre.org	Listed	http://www.pdhre.org/	HUMR	OONI Probe & Heuristics	AS23693, AS55685, AS17451, AS7713, AS17995	HTTP Blocking, HTTP Blocking, DNS	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
						Tampering	
religioustolerance.org	Listed	http://www.religioustolerance.org/	HUMR	OONI Probe & Heuristics	AS135478, AS23693, AS4800, AS139994, AS4761, AS23700, AS17451, AS7713, AS17995, AS24203, AS45727, AS45287, AS17885	HTTP Blocking, HTTP Blocking, DNS Tampering	OOONI Explorer
secure.avaaz.org	Listed	https://secure.avaaz.org/	HUMR	OONI Probe & Heuristics	AS55685, AS136088, AS24203, AS18004, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS23700, AS4761, AS63859, AS7713, AS55666, AS139994, AS58369, AS142369, AS24207, AS9905, AS45727, AS45287	DNS Tampering	OOONI Explorer
tifaoundation.org	Listed	https://www.tifaoundation.org/	HUMR	OONI Probe & Heuristics	AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS139994, AS63859, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287, AS17885	HTTP Blocking, DNS Tampering	OOONI Explorer
womenwarpeace.org	Listed	http://www.womenwarpeace.org/	HUMR	OONI Probe &	AS55685, AS45292, AS24203, AS136052,	HTTP Blocking,	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Heuristics	AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS45727, AS45287	DNS Tampering	
LGBTQ+ (LGBT)							
arc-international.net	Not Listed	https://arc-international.net/	LGBT	Heuristics	AS7713	DNS Tampering	OONI Explorer
bglad.com	Listed	https://www.bglad.com/	LGBT	OONI Probe & Heuristics	AS17451, AS7713	DNS Tampering	OONI Explorer
bi.org	Listed	https://bi.org/	LGBT	OONI Probe & Heuristics	AS55685, AS136088, AS23951, AS24203, AS18004, AS38060, AS38320, AS17451, AS17995, AS17885, AS21859, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS24532, AS135478, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS45287, AS133827, AS59139	HTTP Blocking, DNS Tampering	OONI Explorer
gay.com	Listed	http://www.gay.com/	LGBT	OONI	AS55685, AS45292,	HTTP	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Probe & Heuristics	AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS38758, AS45287	Blocking, HTTP Blocking, DNS Tampering	Explorer
gayegypt.com	Listed	http://www.gayegypt.com/	LGBT	OONI Probe & Heuristics	AS55685, AS45292, AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS38758, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
	Listed	https://gayegypt.com/	LGBT	OONI Probe & Heuristics	AS24532, AS17451, AS7713, AS136088	DNS Tampering	OOONI Explorer
gayindonesiaforum.com	Listed	http://gayindonesiaforum.com/	LGBT	OONI Probe & Heuristics	AS55685, AS136088, AS23951, AS24203, AS18004, AS38060, AS38320, AS17451,	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS4761, AS23700, AS63859, AS7713, AS24532, AS135478, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS45287		
gayscape.com	Listed	http://www.gayscape.com/	LGBT	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS38758, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
	Listed	https://www.gayscape.com/	LGBT	OONI Probe & Heuristics	AS17451, AS7713	DNS Tampering	OONI Explorer
gltq.com	Listed	http://www.gltq.com/	LGBT	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761,	HTTP Blocking, DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS63859, AS7713, AS135478, AS55666, AS139994, AS24207, AS45727, AS45287		
glil.org	Listed	http://www.glil.org/	LGBT	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS24207, AS45727, AS38758, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
grindr.com	Listed	https://grindr.com/	LGBT	OONI Probe & Heuristics	AS23693, AS55685, AS23700, AS17451, AS7713, AS24203	DNS Tampering	OONI Explorer
	Listed	https://www.grindr.com/	LGBT	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS55666, AS139994, AS142369, AS24207, AS45727, AS45287	DNS Tampering	OONI Explorer
ifge.org	Listed	http://www.ifge.org/	LGBT	OONI Probe &	AS55685, AS24203, AS38060, AS38320,	HTTP Blocking,	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Heuristics	AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS24207, AS45727, AS45287	DNS Tampering	
ilga-europe.org	Listed	https://www.ilga-europe.org/	LGBT	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS23693, AS4800, AS23700, AS4761, AS63859, AS7713, AS55666, AS139994, AS142369, AS24207, AS45727, AS45287	DNS Tampering	OOONI Explorer
ilga.org	Listed	https://ilga.org/	LGBT	OONI Probe & Heuristics	AS149736, AS55685, AS23951, AS24203, AS18004, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS45287	DNS Tampering	OOONI Explorer
nclrights.org	Listed	http://www.nclrights.org/	LGBT	OONI	AS55685, AS24203,	HTTP	OOONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Probe & Heuristics	AS38060, AS38320, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS45727, AS45287	Blocking, HTTP Blocking, DNS Tampering	Explorer
nifty.org	Listed	https://www.nifty.org/	LGBT	OONI Probe & Heuristics	AS55666, AS38060, AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS38320, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287, AS17885	DNS Tampering	OONI Explorer
out.com	Listed	https://www.out.com/	LGBT	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS45727, AS45287	DNS Tampering	OONI Explorer
planetromeo.com	Listed	https://www.planetromeo.com/	LGBT	OONI Probe & Heuristics	AS38060, AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS139994, AS63859,	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885		
pridesource.com	Listed	https://pridesource.com/article/top-10-international-lgbt-stories-of-2018/	LGBT	OONI Probe & Heuristics	AS55685, AS136088, AS24203, AS18004, AS38060, AS38320, AS136052, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS55666, AS139994, AS58369, AS142369, AS24207, AS9905, AS45727, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
queernet.org	Listed	http://www.queernet.org/	LGBT	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS45727, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
romeo.com	Listed	http://www.romeo.com	LGBT	OONI Probe & Heuristics	AS23700	DNS Tampering	OOONI Explorer
samesexmarriage.ca	Listed	http://www.samesexmarriage.ca	LGBT	OONI	AS55666, AS38060,	HTTP	OOONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
		riage.ca/		Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287, AS17885	Blocking, DNS Tampering	Explorer
scruff.com	Not Listed	https://www.scruff.com/	LGBT	OONI Probe & Heuristics	AS63859, AS55685, AS55666	DNS Tampering	OONI Explorer
shoe.org	Listed	https://www.shoe.org/	LGBT	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS55666, AS142354, AS139994, AS142369, AS45727, AS45287	DNS Tampering	OONI Explorer
transsexual.org	Listed	http://transsexual.org/	LGBT	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS24207, AS9905,	HTTP Blocking, DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS45727, AS45287		
tsroadmap.com	Listed	http://www.tsroadmap.com/	LGBT	OONI Probe & Heuristics	AS55685, AS45292, AS24203, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS45727, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
Terrorism and Militants (MILX)							
bennywenda.org	Listed	https://www.bennywenda.org/	MILX	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
freepapua.com	Listed	http://freepapua.com/	MILX	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
freewestpapua.org	Listed	https://www.freewestpapua.org/	MILX	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451,	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS7713, AS45727, AS24203, AS45287		
ilwp.org	Listed	https://www.ilwp.org/	MILX	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
ipwp.org	Listed	https://www.ipwp.org/	MILX	OONI Probe & Heuristics	AS23693, AS45287, AS4800, AS55685, AS4761, AS139994, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS17995, AS24203, AS18004	DNS Tampering	OOONI Explorer
ulmwp.org	Listed	https://www.ulmwp.org/	MILX	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	DNS Tampering	OOONI Explorer
Media Sharing (MMED)							
9anime.id	Listed	https://9anime.id	MMED	OONI Probe & Heuristics	AS138833	HTTP Blocking	OOONI Explorer
bigolivepc.com	Listed	http://bigolivepc.com/	MMED	OONI	AS55685, AS45292,	HTTP	OOONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Probe & Heuristics	AS24203, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS55666, AS139994, AS142369, AS45727, AS45287	Blocking, DNS Tampering	Explorer
bigospace.com	Listed	http://bigospace.com/	MMED	OONI Probe & Heuristics	AS55685, AS45292, AS24203, AS18004, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS45727, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
bioskopkerenin.com	Listed	http://bioskopkerenin.com/	MMED	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS45292, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS24207, AS45287, AS17995, AS17885	HTTP Blocking, DNS Tampering	OONI Explorer
dewabioskop21.org	Listed	http://dewabioskop21.org/	MMED	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS23700,	HTTP Blocking, DNS	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS4761, AS45292, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287, AS17885	Tampering	
dramaserial.xyz	Listed	http://dramaserial.xyz/	MMED	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS45292, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS24207, AS45287, AS17995, AS17885	HTTP Blocking, DNS Tampering	OONI Explorer
filmapik.club	Listed	http://filmapik.club/	MMED	OONI Probe & Heuristics	AS131111, AS135478, AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS139994, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287, AS17885	HTTP Blocking, HTTP Blocking, DNS Tampering	OONI Explorer
filmapik.fun	Listed	https://filmapik.fun/	MMED	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS139994, AS63859, AS142369, AS17451, AS7713, AS45727,	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS24203, AS45287, AS17885		
idx1.cam	Listed	https://idx1.cam/	MMED	OONI Probe & Heuristics	AS131111, AS135478, AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	DNS Tampering	OOONI Explorer
imgur.com	Not Listed	https://imgur.com/	MMED	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer
juraganfilm.live	Listed	http://juraganfilm.live/	MMED	OONI Probe & Heuristics	AS131111, AS135478, AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OOONI Explorer
lk21tv.com	Listed	http://lk21tv.com/	MMED	OONI Probe & Heuristics	AS131111, AS135478, AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS139994, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
metacafe.com	Not Listed	http://www.metacafe.com/	MMED	Heuristics	AS7713	DNS Tampering	OONI Explorer
premierexxi.com	Listed	http://premierexxi.com/	MMED	OONI Probe & Heuristics	AS135478, AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS139994, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OONI Explorer
primevideo.com	Not Listed	https://www.primevideo.com/	MMED	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
reddit.com	Listed	https://www.reddit.com/r/indonesia/	MMED	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287, AS17885	DNS Tampering	OONI Explorer
secure.flickr.com	Not Listed	https://secure.flickr.com/	MMED	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
vimeo.com	Listed	http://vimeo.com	MMED	Heuristics	AS18004, AS7713, AS24203	HTTP Blocking, DNS Tampering	OONI Explorer
	Listed	https://vimeo.com	MMED	OONI	AS7713	DNS	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Probe & Heuristics		Tampering	Explorer
	Listed	https://vimeo.com/	MMED	OONI Probe & Heuristics	AS38506, AS55685, AS136088, AS38482, AS24203, AS18004, AS136055, AS4787, AS38320, AS139989, AS17995, AS17451, AS9228, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS23679, AS63859, AS7713, AS24532, AS135478, AS139994, AS45298, AS142369, AS9905, AS24207, AS45727, AS45287, AS133827, AS59139	DNS Tampering	OONI Explorer
News Media (NEWS)							
1tv.ru	Not Listed	http://www.1tv.ru/	NEWS	Heuristics	AS23693	HTTP Blocking	OONI Explorer
advocate.com	Not Listed	https://www.advocate.com/	NEWS	Heuristics	AS135478	DNS Tampering	OONI Explorer
balipost.co.id	Listed	http://www.balipost.co.id/	NEWS	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341,	HTTP Blocking, HTTP Blocking, DNS	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS23700, AS4761, AS63859, AS7713, AS135478, AS139994, AS9905, AS24207, AS45727, AS45287	Tampering	
beritamuslim.info	Not Listed	https://www.beritamuslim.info/	NEWS	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
beritasore.com	Listed	http://beritasore.com/	NEWS	OONI Probe & Heuristics	AS55685, AS23951, AS24203, AS18004, AS38060, AS38320, AS17451, AS17995, AS17885, AS21859, AS131111, AS23693, AS4800, AS9341, AS4761, AS23700, AS63859, AS7713, AS24532, AS135478, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS45287, AS133827, AS59139	HTTP Blocking, DNS Tampering	OOONI Explorer
bldaily.com	Not Listed	https://www.bldaily.com/	NEWS	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
crito.jw.lt	Listed	http://crito.jw.lt/	NEWS	OONI Probe & Heuristics	AS55685, AS136088, AS23951, AS24203, AS18004, AS38060, AS38320, AS17451,	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS17995, AS17885, AS21859, AS131111, AS23693, AS4800, AS9341, AS4761, AS23700, AS63859, AS7713, AS24532, AS135478, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS45287, AS59139		
fstvmedia.com	Not Listed	https://fstvmedia.com/category/fajar-news/	NEWS	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
galamedianews.com	Not Listed	https://www.galamedianews.com/	NEWS	Heuristics	AS7713	DNS Tampering	OONI Explorer
granma.cu	Not Listed	http://www.granma.cu/	NEWS	Heuristics	AS7713, AS23693	HTTP Blocking, DNS Tampering	OONI Explorer
harianandalas.com	Listed	https://harianandalas.com/	NEWS	OONI Probe & Heuristics	AS55685, AS23951, AS24203, AS18004, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS23700, AS4761, AS63859, AS7713, AS24532, AS135478, AS139994, AS9905,	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS24207, AS45727, AS45287		
hariankompas.net	Listed	https://hariankompas.net/	NEWS	OONI Probe & Heuristics	AS149736, AS55685, AS136088, AS23951, AS24203, AS18004, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS23700, AS4761, AS63859, AS7713, AS24532, AS135478, AS55666, AS139994, AS58369, AS142369, AS24207, AS9905, AS45727, AS45287	DNS Tampering	OOONI Explorer
indymedia.org	Not Listed	https://indymedia.org/	NEWS	Heuristics	AS7713	DNS Tampering	OOONI Explorer
kabobfest.com	Listed	http://www.kabobfest.com/	NEWS	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS139994, AS24207, AS45727, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
kepri.haluan.co	Not Listed	https://kepri.haluan.co/	NEWS	OONI Probe &	AS7713	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Heuristics			
opinibangsa.com	Listed	https://opinibangsa.com/	NEWS	OONI Probe & Heuristics	AS55685, AS136088, AS24203, AS18004, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS23700, AS4761, AS63859, AS7713, AS55666, AS139994, AS58369, AS142369, AS24207, AS9905, AS45727, AS45287	DNS Tampering	OONI Explorer
papuapost.com	Listed	http://papuapost.com/	NEWS	OONI Probe & Heuristics	AS55685, AS136088, AS24203, AS18004, AS150517, AS38060, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS58369, AS142369, AS24207, AS9905, AS45727, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
poskota.id	Not Listed	https://poskota.id/	NEWS	Heuristics	AS7713	DNS Tampering	OONI Explorer
qhtyzx.com	Not Listed	http://www.qhtyzx.com/	NEWS	Heuristics	AS7713, AS23693	HTTP	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
						Blocking, DNS Tampering	Explorer
reddit.com	Listed	https://www.reddit.com/	NEWS	OONI Probe & Heuristics	AS55685, AS136088, AS38482, AS24203, AS18004, AS136055, AS4787, AS38320, AS139989, AS17995, AS17451, AS9228, AS17885, AS21859, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS23679, AS63859, AS7713, AS135478, AS139994, AS45298, AS142369, AS9905, AS24207, AS45727, AS45287, AS59139	DNS Tampering	OOONI Explorer
repubblica.com	Not Listed	http://www.repubblica.com/	NEWS	OONI Probe & Heuristics	AS7713, AS23693	HTTP Blocking, DNS Tampering	OOONI Explorer
ria.ru	Not Listed	http://ria.ru/	NEWS	OONI Probe & Heuristics	AS55666, AS23693	HTTP Blocking, DNS Tampering	OOONI Explorer
ruf-ch.org	Not Listed	http://www.ruf-ch.org/	NEWS	OONI Probe &	AS7713, AS23693	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Heuristics			
sinarharapan.co.id	Not Listed	https://sinarharapan.co.id/	NEWS	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
slashdot.org	Not Listed	https://slashdot.org/	NEWS	Heuristics	AS135478	DNS Tampering	OOONI Explorer
suaranews.id	Not Listed	https://www.suaranews.id/	NEWS	OONI Probe & Heuristics	AS7713, AS23693	DNS Tampering	OOONI Explorer
sulawesi24.com	Not Listed	https://sulawesi24.com/	NEWS	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
warungbebas.com	Listed	http://www.warungbebas.com/	NEWS	OONI Probe & Heuristics	AS135478, AS55666, AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS45292, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OOONI Explorer
washingtonsblog.com	Listed	https://washingtonsblog.com/	NEWS	Heuristics	AS63859	DNS Tampering	OOONI Explorer
Political Criticism (POLR)							
2019gantipresiden.org	Not Listed	https://www.2019gantipresiden.org/	POLR	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
beritapolitikpelangi.blogspot.com	Listed	https://beritapolitikpelangi.blogspot.com/	POLR	OONI Probe & Heuristics	AS55685, AS23951, AS24203, AS18004, AS38060, AS38320, AS17451, AS17995, AS17885, AS21859, AS131111, AS23693, AS4800, AS9341, AS4761, AS23700, AS63859, AS7713, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS45287, AS133827, AS59139	DNS Tampering	OOONI Explorer
dailystormer.name	Not Listed	https://dailystormer.name/	POLR	OONI Probe & Heuristics	AS135478, AS38060, AS55685, AS17451, AS7713	HTTP Blocking, HTTP Blocking, DNS Tampering	OOONI Explorer
hizb-ut-tahrir.org	Listed	http://www.hizb-ut-tahrir.org/	POLR	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS38320, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS24207, AS45727, AS45287	HTTP Blocking, HTTP Blocking, DNS Tampering	OOONI Explorer
indonbodoh.blogspot	Listed	http://indonbodoh.blogspot	POLR	OONI	AS55685, AS136088,	HTTP	OOONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
.com		pot.com/		Probe & Heuristics	AS23951, AS24203, AS18004, AS150517, AS38060, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS4761, AS23700, AS63859, AS7713, AS24532, AS135478, AS55666, AS139994, AS142369, AS24207, AS9905, AS45727, AS45287	Blocking, DNS Tampering	Explorer
khilafah.com	Listed	http://www.khilafah.com/	POLR	OONI Probe & Heuristics	AS55685, AS24203, AS38060, AS38320, AS136052, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS139994, AS142369, AS24207, AS45727, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
occupystreams.org	Not Listed	https://occupystreams.org/	POLR	OONI Probe			OOONI Explorer
partaikomunisindonesia.wordpress.com	Listed	http://partaikomunisindonesia.wordpress.com	POLR	Heuristics	AS58495	DNS Tampering	OOONI Explorer
	Listed	https://partaikomunisindonesia.wordpress.com	POLR	Heuristics	AS58495	DNS	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
		onesia.wordpress.com				Tampering	Explorer
pks-jaksel.or.id	Not Listed	https://www.pks-jaksel.or.id/	POLR	OONI Probe & Heuristics	AS4761, AS7713, AS23693	DNS Tampering	OOONI Explorer
Pornography (PORN)							
1337x.st	Listed	http://www.1337x.st	PORN	OONI Probe & Heuristics	AS23700	DNS Tampering	OOONI Explorer
69gayporno.com	Listed	http://www.69gayporno.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
89.com	Listed	http://www.89.com/	PORN	OONI Probe & Heuristics	AS131111, AS142354, AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
alt.com	Listed	https://alt.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859,	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287		
amateurpages.com	Listed	http://www.amateurpages.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
ashemaletube.com	Listed	http://www.ashemaletube.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, HTTP Blocking, DNS Tampering	OONI Explorer
beeg.com	Listed	https://beeg.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
bglad.com	Listed	http://www.bglad.com/	PORN	OONI	AS55685, AS45292,	HTTP	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Probe & Heuristics	AS24203, AS38320, AS17451, AS17995, AS17885, AS131111, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS139994, AS142369, AS45727, AS45287	Blocking, HTTP Blocking, DNS Tampering	Explorer
bravoporn.com	Listed	https://www.bravoporn.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
climateone.blogspot.co.id	Listed	https://climateone.blogspot.co.id/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
conan.xxx	Not Listed	http://conan.xxx/	PORN	OONI Probe & Heuristics	AS63859, AS131111, AS55685, AS142369	DNS Tampering	OONI Explorer
cultoerotica.com	Listed	http://www.cultoerotica.com/	PORN ⁴⁸	OONI	AS131111, AS23693,	HTTP	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
		com/		Probe & Heuristics	AS45287, AS139994, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS18004	Blocking, HTTP Blocking, DNS Tampering	Explorer
famousnudes.com	Listed	http://famousnudes.com/	PORN	OONI Probe & Heuristics	AS23693, AS4800, AS9341, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS17995, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
famouspornstars.com	Listed	http://www.famouspornstars.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
femalestars.com	Listed	http://www.femalestars.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS9341, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer

⁴⁸ This website now links to online gambling sites rather than pornography.

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
freegaypornfinder.com	Listed	http://www.freegaypornfinder.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
freegaypornhdtube.com	Listed	http://www.freegaypornhdtube.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
fuckingfreemovies.com	Listed	http://www.fuckingfreemovies.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, HTTP Blocking, DNS Tampering	OONI Explorer
gayonthenet.net	Listed	http://gayonthenet.net/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS9341, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203,	HTTP Blocking, DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS17995, AS45287		
gelbooru.com	Listed	http://gelbooru.com	PORN	OONI Probe & Heuristics	AS141607, AS138089	HTTP Blocking, DNS Tampering	OOONI Explorer
gotgayporn.com	Listed	http://www.gotgayporn.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
hanime.tv	Listed	http://hanime.tv	PORN	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer
hardsextube.com	Listed	http://hardsextube.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS9341, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
hentaipros.com	Listed	https://hentaipros.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727,	DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS24203, AS17995, AS45287		
hentaitk.com	Listed	https://hentaitk.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS58369, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995	DNS Tampering	OONI Explorer
hereistheporn.com	Listed	http://www.hereistheporn.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS9341, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
hotgaylist.com	Listed	http://hotgaylist.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS58369, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
hustler.com	Listed	http://www.hustler.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761,	HTTP Blocking, DNS	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	Tampering	
jav.guru	Listed	http://jav.guru	PORN	OONI Probe & Heuristics	AS23693	DNS Tampering	OOONI Explorer
kimochi.info	Listed	http://kimochi.info	PORN	OONI Probe & Heuristics	AS45727	HTTP Blocking	OOONI Explorer
lesbiansubmission.com	Listed	http://www.lesbiansubmission.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS45287, AS4800, AS55685, AS4761, AS139994, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS18004	HTTP Blocking, DNS Tampering	OOONI Explorer
livejasmin.com	Listed	http://www.livejasmin.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS45287, AS4800, AS55685, AS4761, AS139994, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS18004	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
manga18fx.com	Listed	http://manga18fx.com	PORN	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
manhub.com	Listed	http://manhub.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS136052, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
milfhunter.com	Listed	http://milfhunter.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, HTTP Blocking, DNS Tampering	OONI Explorer
naughty.com	Listed	http://www.naughty.com/	PORN	OONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS17995, AS24203, AS45287	DNS Tampering	OONI Explorer
nekopoi.care	Listed	http://nekopoi.care	PORN	OONI Probe & Heuristics	AS4787, AS23693, AS63859, AS17995, AS45727, AS24203	HTTP Blocking, DNS Tampering	OONI Explorer
	Listed	http://nekopoi.care/	PORN	OONI	AS7713	DNS	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Probe & Heuristics		Tampering	Explorer
nhentai.net	Listed	http://nhentai.net	PORN	OONI Probe & Heuristics	AS4761, AS7713, AS45727, AS24203	HTTP Blocking, DNS Tampering	OONI Explorer
	Listed	http://nhentai.net/	PORN	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
	Listed	http://www.nhentai.net	PORN	OONI Probe & Heuristics	AS18004, AS7713	DNS Tampering	OONI Explorer
nozomi.la	Listed	http://nozomi.la	PORN	Heuristics	AS24203	HTTP Blocking	OONI Explorer
nurumassage.net	Listed	https://www.nurumassage.net/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS38320, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
onlyfans.com	Listed	https://onlyfans.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
penisbot.com	Listed	http://www.penisbot.com/	PORN	OOONI Probe & Heuristics	AS23693, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	DNS Tampering	OOONI Explorer
penthouse.com	Listed	http://www.penthouse.com/	PORN	OOONI Probe & Heuristics	AS23693, AS4800, AS9341, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
persiankitty.com	Listed	http://www.persiankitty.com/	PORN	OOONI Probe & Heuristics	AS131111, AS23693, AS4800, AS9341, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
playboy.com	Listed	http://www.playboy.com/	PORN	OOONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS136052, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
porn.com	Listed	http://porn.com	PORN	Heuristics	AS63859	DNS	OOONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
						Tampering	Explorer
pornhub.com	Listed	http://pornhub.com	PORN	OONI Probe & Heuristics	AS4787, AS23693, AS4761, AS63859, AS17995, AS7713, AS17996, AS24203	HTTP Blocking, DNS Tampering	OONI Explorer
	Listed	http://pornhub.com/	PORN	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
	Listed	http://www.pornhub.com	PORN	OONI Probe & Heuristics	AS7713, AS23693	DNS Tampering	OONI Explorer
	Listed	http://www.pornhub.com /	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	DNS Tampering	OONI Explorer
	Listed	https://pornhub.com	PORN	OONI Probe & Heuristics	AS23693, AS4761, AS63859, AS7713, AS24203	DNS Tampering	OONI Explorer
	Listed	https://pornhub.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203	DNS Tampering	OONI Explorer
	Listed	https://www.pornhub.co	PORN	OONI	AS23700	DNS	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
		m		Probe & Heuristics		Tampering	Explorer
	Listed	https://www.pornhub.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS17451, AS7713, AS45727, AS24203	DNS Tampering	OOONI Explorer
pridetube.com	Not Listed	http://pridetube.com/	PORN	OONI Probe & Heuristics	AS63859, AS23693	HTTP Blocking, DNS Tampering	OOONI Explorer
purextc.com	Listed	http://www.purextc.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
realdoll.com	Listed	http://realdoll.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
redtube.com	Listed	http://redtube.com	PORN	OONI	AS17995	HTTP	OOONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Probe & Heuristics		Blocking	Explorer
rule34video.com	Listed	http://rule34video.com/	PORN	OONI Probe & Heuristics	AS7713	DNS Tampering	OOONI Explorer
rockettube.com	Listed	http://rockettube.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
rule34.xxx	Listed	http://rule34.xxx	PORN	OONI Probe & Heuristics	AS23700	DNS Tampering	OOONI Explorer
russianrape.org	Listed	https://russianrape.org/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
sex.com	Listed	http://www.sex.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS9341, AS23700, AS63859, AS142369, AS17451,	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS7713, AS45727, AS24203, AS17995, AS45287		
spankwire.com	Listed	http://spankwire.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
supjav.com	Listed	http://www.supjav.com	PORN	OONI Probe & Heuristics	AS23693	DNS Tampering	OONI Explorer
tubev.sex	Listed	https://www.tubev.sex/categories/1856/indonesian/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
wetplace.com	Listed	http://www.wetplace.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS9341, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
worldsex.com	Listed	http://www.worldsex.com/	PORN	OONI Probe & Heuristics	AS23693, AS4800, AS9341, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
xhamster.com	Listed	http://xhamster.com	PORN	Heuristics	AS17995	DNS Tampering	OONI Explorer
	Listed	https://xhamster.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS136052, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
xnxx.com	Listed	http://xnxx.com	PORN	OONI Probe & Heuristics	AS23693, AS4761, AS63859, AS17995, AS7713, AS45727, AS17996	HTTP Blocking, DNS Tampering	OONI Explorer
	Listed	http://xnxx.com/	PORN	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
	Listed	https://xnxx.com	PORN	OONI Probe & Heuristics	AS17995, AS4761	DNS Tampering	OONI Explorer
xvideos.com	Listed	http://www.xvideos.com	PORN	OONI	AS18004, AS23693	DNS	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Probe & Heuristics		Tampering	Explorer
	Listed	http://www.xvideos.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
	Listed	http://Xvideos.com	PORN	Heuristics	AS45727	DNS Tampering	OOONI Explorer
	Listed	http://xvideos.com	PORN	OONI Probe & Heuristics	AS45727	DNS Tampering	OOONI Explorer
	Listed	https://www.xvideos.com/video39620343/hermanos	PORN	Heuristics	AS24203	DNS Tampering	OOONI Explorer
youjizz.com	Listed	http://youjizz.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
youngerbabes.com	Listed	http://www.youngerbabes.com/	PORN	OONI Probe &	AS131111, AS23693, AS4800, AS139994,	HTTP Blocking,	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Heuristics	AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	
youporn.com	Listed	http://www.youporn.com /	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
	Listed	http://youporn.com/	PORN	OONI Probe & Heuristics	AS131111, AS23693, AS4800, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
Provocative Attire (PROV)							
3wishes.com	Listed	https://www.3wishes.com/	PROV	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
abcunderwear.com	Not Listed	http://www.abcunderwe	PROV	Heuristics	AS23693	HTTP	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
		ar.com/				Blocking	Explorer
agentprovocateur.com	Listed	https://www.agentprovocateur.com/	PROV	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287	DNS Tampering	OONI Explorer
bodylingerie.com	Listed	http://www.bodylingerie.com/	PROV	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, HTTP Blocking, DNS Tampering	OONI Explorer
chantelle.com	Listed	http://www.chantelle.com/	PROV	OONI Probe & Heuristics	AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
	Listed	https://chantelle.com/	PROV	OONI Probe & Heuristics	AS17451, AS7713, AS23693	DNS Tampering	OONI Explorer
coquette.com	Listed	http://www.coquette.com/	PROV	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727,	HTTP Blocking, DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS24203, AS17995, AS45287		
	Listed	https://coquette.com/	PROV	OONI Probe & Heuristics	AS17451, AS7713, AS23693	DNS Tampering	OOONI Explorer
delicates.co.uk	Listed	http://www.delicates.co.uk/	PROV	OONI Probe & Heuristics	AS23693, AS139994, AS9341, AS55685, AS4761, AS23700, AS4800, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
duniamalam168.com	Not Listed	http://duniamalam168.com/	PROV	OONI Probe & Heuristics	AS7713, AS23693	DNS Tampering	OOONI Explorer
	Not Listed	https://www.duniamalam88.com/	PROV	Heuristics	AS7713	DNS Tampering	OOONI Explorer
esquire.co.id	Not Listed	http://www.esquire.co.id/categories/14-Woman-w-e-Love/	PROV	Heuristics	AS23693	HTTP Blocking	OOONI Explorer
fhm.com	Listed	https://fhm.com/	PROV	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
	Listed	https://fhm.com/categor	PROV	OONI	AS23693, AS4800,	DNS	OOONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
		y/women/		Probe & Heuristics	AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	Tampering	Explorer
fhm.nl	Listed	https://fhm.nl/	PROV	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
fotoartis.in	Listed	http://www.fotoartis.in/	PROV	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, HTTP Blocking, DNS Tampering	OONI Explorer
hanes.com	Not Listed	http://www.hanes.com/	PROV	Heuristics	AS23693	HTTP Blocking	OONI Explorer
lasenza.com	Not Listed	http://www.lasenza.com/	PROV	Heuristics	AS23693	HTTP Blocking	OONI Explorer
male.co.id	Not Listed	https://male.co.id/channel/sensual-models/	PROV	Heuristics	AS7713	DNS Tampering	OONI Explorer
maxim.com	Listed	http://www.maxim.com	PROV	OONI Probe &	AS23700	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
				Heuristics			
	Listed	https://www.maxim.com/tag/maxim-indonesia/	PROV	OONI Probe & Heuristics	AS23693, AS45287, AS4800, AS55685, AS4761, AS139994, AS23700, AS38320, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS18004	DNS Tampering	OOONI Explorer
panties.com	Listed	https://panties.com/	PROV	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
profilselebryti.blogspot.com	Listed	http://profilselebryti.blogspot.com/	PROV	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
purenudism.net	Listed	http://www.purenudism.net/	PROV	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203,	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS17995, AS45287		
smog.pl	Listed	http://www.smog.pl/	PROV	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
topdrawers.com	Not Listed	http://www.topdrawers.com/	PROV	Heuristics	AS23693	HTTP Blocking	OOONI Explorer
trashy.com	Listed	http://www.trashy.com/	PROV	OONI Probe & Heuristics	AS23693, AS4800, AS139994, AS55685, AS4761, AS23700, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
	Listed	https://trashy.com/	PROV	OONI Probe & Heuristics	AS23693, AS139994, AS4800, AS55685, AS4761, AS23700, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OOONI Explorer
Public Health (PUBH)							
apps.crowdtangle.com	Not Listed	https://apps.crowdtangle.com/public-hub/covid19	PUBH	Heuristics	AS135478	DNS Tampering	OOONI Explorer
caixinglobal.com	Not Listed	https://www.caixinglobal	PUBH	Heuristics	AS23693	HTTP	OOONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
		.com/2020/coronavirus/				Blocking	Explorer
cirp.org	Not Listed	http://www.cirp.org/	PUBH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
coronavirus-map.com	Not Listed	https://coronavirus-map.com/	PUBH	OONI Probe & Heuristics	AS55685, AS17451, AS45292	HTTP Blocking, HTTP Blocking	OONI Explorer
coronavirus.app	Not Listed	https://coronavirus.app/	PUBH	OONI Probe & Heuristics	AS17451, AS45727	DNS Tampering	OONI Explorer
euro.who.int	Not Listed	http://www.euro.who.int/en/health-topics/health-emergencies/coronaviruses-covid-19	PUBH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
hon.ch	Not Listed	http://www.hon.ch/	PUBH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
implantinfo.com	Listed	http://www.implantinfo.com/	PUBH	OONI Probe & Heuristics	AS55685, AS24203, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS135478, AS55666, AS142354, AS139994, AS142369, AS45727, AS45287	HTTP Blocking, DNS Tampering	OONI Explorer
isscr.org	Not Listed	http://www.isscr.org/	PUBH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
medecinsdumonde.o	Not Listed	http://www.medecinsdu	PUBH	Heuristics	AS23693	HTTP	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
rg		monde.org/				Blocking	Explorer
medicinenet.com	Not Listed	http://www.medicinenet.com/	PUBH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
msf.org	Not Listed	http://www.msf.org/	PUBH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
no-porn.com	Not Listed	http://www.no-porn.com/	PUBH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
theglobalfund.org	Not Listed	http://www.theglobalfund.org/	PUBH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
unaids.org	Not Listed	http://www.unaids.org/	PUBH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
worldhealth.net	Not Listed	http://www.worldhealth.net/	PUBH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
Religion (REL)							
ahmadiyah.org	Not Listed	http://ahmadiyah.org/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
alisina.org	Not Listed	http://alisina.org/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
answering-islam.org	Listed	https://answering-islam.org/	REL	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS139994, AS63859, AS142369, AS17451, AS7713, AS17995, AS24203, AS45287, AS17885	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
arrahmah.com	Listed	https://www.arrahmah.com/	REL	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS63859, AS17451, AS7713, AS17995, AS24203, AS45287, AS17885	DNS Tampering	OONI Explorer
bahai.org	Not Listed	http://www.bahai.org/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
beritamuslim.wordpress.com	Listed	http://beritamuslim.wordpress.com/	REL	OONI Probe & Heuristics	AS55685, AS7713	DNS Tampering	OONI Explorer
beritamuslim.wordpress.com	Listed	https://beritamuslim.wordpress.com/	REL	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS139994, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287, AS17885, AS139988	DNS Tampering	OONI Explorer
btselem.org	Not Listed	http://www.btselem.org/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
buddhanet.net	Not Listed	http://www.buddhanet.net/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
debate.org.uk	Not Listed	http://debate.org.uk/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
exmuslim.wordpress.	Listed	http://exmuslim.wordpress	REL	OONI	AS55685, AS7713	DNS	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
com		ss.com/		Probe & Heuristics		Tampering	Explorer
exmuslim.wordpress.com	Listed	https://exmuslim.wordpress.com/	REL	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS17995, AS24203, AS45287, AS17885	DNS Tampering	OONI Explorer
faithfreedom.org	Listed	http://www.faithfreedom.org/	REL	OONI Probe & Heuristics	AS135478, AS55666, AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS17995, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OONI Explorer
formercatholic.com	Not Listed	http://www.formercatholic.com/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
gensyiah.com	Listed	http://www.gensyiah.com/	REL	OONI Probe & Heuristics	AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS139994, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287, AS17885	HTTP Blocking, DNS Tampering	OONI Explorer
godalone.org	Not Listed	http://www.godalone.org	REL	Heuristics	AS23693	HTTP	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
		/				Blocking	Explorer
icmi.or.id	Not Listed	https://icmi.or.id/	REL	Heuristics	AS7713	DNS Tampering	OONI Explorer
iico.org	Not Listed	http://www.iico.org/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
indonesia.faithfreedom.org	Listed	http://indonesia.faithfreedom.org/doc/	REL	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS139994, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OONI Explorer
indonesia.faithfreedom.org	Listed	http://indonesia.faithfreedom.org/forum/muhamamad-bukan-nabi-t1901/	REL	OONI Probe & Heuristics	AS135478, AS55666, AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS139994, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS45287, AS17885	HTTP Blocking, DNS Tampering	OONI Explorer
islamagamasetan.blogspot.co.id	Listed	https://islamagamasetan.blogspot.co.id/	REL	OONI Probe & Heuristics	AS55685, AS23700, AS7713	DNS Tampering	OONI Explorer
islamdoor.com	Not Listed	http://www.islamdoor.com/	REL	OONI Probe & Heuristics	AS7713	DNS Tampering	OONI Explorer
islameyat.com	Not Listed	http://www.islameyat.com/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
islamic-relief.com	Not Listed	http://www.islamic-relief.com/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
islamicity.com	Not Listed	http://www.islamicity.com/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
jesussaves.cc	Not Listed	http://www.jesussaves.cc/	REL	OONI Probe & Heuristics	AS7713, AS23693	HTTP Blocking, DNS Tampering	OONI Explorer
judaism.com	Not Listed	http://www.judaism.com/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
judaismconversion.org	Not Listed	http://www.judaismconversion.org/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
katoliknews.com	Not Listed	https://katoliknews.com/tag/gki-yasmin/	REL	Heuristics	AS7713	DNS Tampering	OONI Explorer
kiblat.net	Not Listed	https://www.kiblat.net/	REL	OONI Probe & Heuristics	AS7713, AS58369	DNS Tampering	OONI Explorer
komiknabimuhammad.blogspot.com	Listed	http://komiknabimuhammad.blogspot.com/	REL	OONI Probe & Heuristics	AS55685, AS7713	DNS Tampering	OONI Explorer
komunitaseden.com	Listed	https://www.komunitaseden.com/	REL	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS18004, AS55685, AS23700, AS4761, AS139994, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287,	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS17885		
mualaf-alhamdulillah.blogspot.com	Listed	http://mualaf-alhamdulillah.blogspot.com/	REL	OONI Probe & Heuristics	AS55685, AS17451, AS7713	DNS Tampering	OOONI Explorer
muhammadanism.com	Not Listed	http://www.muhammadanism.com/	REL	Heuristics	AS23693	HTTP Blocking	OOONI Explorer
murtad.xyz	Not Listed	https://www.murtad.xyz/	REL	OONI Probe & Heuristics	AS55685, AS23693	HTTP Blocking, HTTP Blocking	OOONI Explorer
oicc.org	Not Listed	http://www.oicc.org/	REL	Heuristics	AS23693	HTTP Blocking	OOONI Explorer
orthodoxconvert.info	Not Listed	http://www.orthodoxconvert.info/	REL	Heuristics	AS23693	HTTP Blocking	OOONI Explorer
raymondibrahim.com	Listed	https://www.raymondibrahim.com/	REL	OONI Probe & Heuristics	AS135478, AS23693, AS45287, AS4800, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS18004	DNS Tampering	OOONI Explorer
shamash.org	Not Listed	http://shamash.org/	REL	Heuristics	AS23693	HTTP Blocking	OOONI Explorer
shia.org	Not Listed	http://shia.org/	REL	Heuristics	AS23693	HTTP Blocking	OOONI Explorer
shinto.org	Not Listed	http://www.shinto.org/	REL	Heuristics	AS23693	HTTP	OOONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
						Blocking	Explorer
submission.org	Not Listed	http://www.submission.org/	REL	Heuristics	AS63859, AS23693	HTTP Blocking, DNS Tampering	OOONI Explorer
tanzil.net	Not Listed	http://tanzil.net/	REL	Heuristics	AS23693	HTTP Blocking	OOONI Explorer
themwl.org	Not Listed	http://www.themwl.org/	REL	Heuristics	AS23693	HTTP Blocking	OOONI Explorer
thequran.com	Listed	http://thequran.com/	REL	OOONI Probe & Heuristics	AS55685, AS24203, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS24532, AS135478, AS55666, AS139994, AS142369, AS45727, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer
trulyislam.blogspot.com	Listed	http://trulyislam.blogspot.com/	REL	OOONI Probe & Heuristics	AS55685, AS24203, AS18004, AS17451, AS17995, AS17885, AS23693, AS4800, AS9341, AS23700, AS4761, AS63859, AS7713, AS24532, AS135478, AS55666, AS139994, AS142369, AS45727, AS45287	HTTP Blocking, DNS Tampering	OOONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
truthnet.org	Not Listed	http://www.truthnet.org/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
vatican.va	Not Listed	http://www.vatican.va/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
wcicc.org	Not Listed	http://www.wcicc.org/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
wiesenthal.com	Not Listed	http://www.wiesenthal.com/	REL	Heuristics	AS7713, AS23693	HTTP Blocking	OONI Explorer
worldjewishcongress.org	Not Listed	http://www.worldjewishcongress.org/	REL	Heuristics	AS23693	HTTP Blocking	OONI Explorer
ymca.int	Not Listed	http://www.ymca.int/	REL	Heuristics	AS7713, AS23693	HTTP Blocking	OONI Explorer
Search Engines (SRCH)							
ask.com	Not Listed	http://www.ask.com/	SRCH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
chat-gpt.org	Not Listed	https://chat-gpt.org/	SRCH	Heuristics	AS17451	DNS Tampering	OONI Explorer
dogpile.com	Not Listed	http://www.dogpile.com/	SRCH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
excite.com	Not Listed	https://www.excite.com/	SRCH	Heuristics	AS24203	DNS Tampering	OONI Explorer
id.yahoo.com	Not Listed	http://id.yahoo.com/	SRCH	Heuristics	AS45727	HTTP Blocking	OONI Explorer
lycos.com	Not Listed	http://www.lycos.com/	SRCH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
metacrawler.com	Not Listed	http://www.metacrawler.com/	SRCH	Heuristics	AS23693	HTTP	OONI

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
		com/				Blocking	Explorer
searchindia.com	Not Listed	http://www.searchindia.com/	SRCH	Heuristics	AS23693	HTTP Blocking	OONI Explorer
tse1.explicit.bing.net	Not Listed	https://tse1.explicit.bing.net/robots.txt	SRCH	OONI Probe & Heuristics	AS23693, AS4800, AS9341, AS55685, AS23700, AS4761, AS45287, AS139994, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS18004, AS17885	DNS Tampering	OONI Explorer
yahoo.com	Not Listed	http://www.yahoo.com/	SRCH	Heuristics	AS45727	HTTP Blocking	OONI Explorer
yahoo.com	Not Listed	http://yahoo.com	SRCH	Heuristics	AS63859, AS45727	HTTP Blocking, DNS Tampering	OONI Explorer
yahoo.com	Not Listed	https://yahoo.com	SRCH	Heuristics	AS63859	DNS Tampering	OONI Explorer
yande.re	Listed	http://yande.re	SRCH	OONI Probe & Heuristics	AS23700	DNS Tampering	OONI Explorer
Sex Education (XED)							
blog.angsamerah.com	Not Listed	http://blog.angsamerah.com/	XED	Heuristics	AS23693	HTTP Blocking	OONI Explorer
comohacerseunaborto.com	Not Listed	http://comohacerseunaborto.com/	XED	Heuristics	AS23693	HTTP Blocking	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
happifyourworld.com	Not Listed	https://www.happifyourworld.com/mylife/kenapa-sex-education-itu-penting-594.html/	XED	Heuristics	AS23693	HTTP Blocking	OONI Explorer
iavi.org	Not Listed	http://www.iavi.org/	XED	Heuristics	AS23693	HTTP Blocking	OONI Explorer
itsyoursexlife.com	Listed	http://www.itsyoursexlife.com/	XED	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS18004, AS55685, AS23700, AS4761, AS139994, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287, AS17885	HTTP Blocking, DNS Tampering	OONI Explorer
male.co.id	Not Listed	https://male.co.id/channel/sex-health/	XED	Heuristics	AS7713	DNS Tampering	OONI Explorer
positive.org	Listed	http://www.positive.org/	XED	OONI Probe & Heuristics	AS135478, AS55666, AS23693, AS45287, AS4800, AS55685, AS23700, AS4761, AS9341, AS139994, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS18004	HTTP Blocking, HTTP Blocking, DNS Tampering	OONI Explorer
premaritalsex.info	Listed	https://www.premaritalsex.info/	XED	OONI Probe & Heuristics	AS135478, AS55666, AS23693, AS4800, AS18004, AS55685,	DNS Tampering	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
					AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287		
scarleteen.com	Not Listed	http://www.scarleteen.com/	XED	Heuristics	AS23693	HTTP Blocking	OONI Explorer
sfsi.org	Listed	https://www.sfsi.org/	XED	OONI Probe & Heuristics	AS55666, AS23693, AS4800, AS55685, AS23700, AS4761, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS45287	DNS Tampering	OONI Explorer
siecus.org	Listed	http://www.siecus.org/	XED	OONI Probe & Heuristics	AS55666, AS23693, AS45287, AS4800, AS55685, AS23700, AS4761, AS9341, AS63859, AS142369, AS17451, AS7713, AS45727, AS24203, AS17995, AS18004	HTTP Blocking, DNS Tampering	OONI Explorer
survive.org.uk	Not Listed	http://www.survive.org.uk/	XED	Heuristics	AS23693	HTTP Blocking	OONI Explorer
teenhealthfx.com	Not Listed	http://www.teenhealthfx.com/	XED	Heuristics	AS7713	DNS Tampering	OONI Explorer
teensource.org	Not Listed	http://www.teensource.org/	XED	Heuristics	AS23693	HTTP Blocking	OONI Explorer

Domain	TrustPositif	Input	Category	Confirmed by	Blocking ISP	Blocking Method	
thenationalcampaign.org	Not Listed	http://thenationalcampaign.org/	XED	Heuristics	AS23693	HTTP Blocking	OONI Explorer
ultimatebirthcontrol.com	Not Listed	http://www.ultimatebirthcontrol.com/	XED	Heuristics	AS23693	HTTP Blocking	OONI Explorer
wri.or.id	Not Listed	https://www.wri.or.id/	XED	Heuristics	AS7713	DNS Tampering	OONI Explorer

Annex II: List of ISPs

ASN	Internet Service Provider (ISP)
AS7713	Telekomunikasi Indonesia (PT)
AS17885	PT XL Axiata Tbk
AS38060	BIZNET
AS58495	PT Parsaoran Global Datatrans
AS24203	PT XL Axiata
AS17451	BIZNET NETWORKS
AS55685	PT Jala Lintas Media
AS45292	Lembaga Ilmu Pengetahuan Indonesia - LIPI
AS24534	PT. Transhybrid Communication
AS45727	Hutchison CP Telecommunications, PT
AS23700	Linknet-Fastnet ASN
AS9009	M247 Ltd
AS18103	Neuviz Net
AS23693	PT. Telekomunikasi Selular
AS136841	PT MITRA TELEMEDIA MANUNGGAL
AS138093	PT. LINTASMAYA MULTI MEDIA
AS55666	PT Media Sarana Data
AS63859	PT. Eka Mas Republik
AS135478	PT. Cyberindo Aditama
AS58369	PT. Fiber Networks Indonesia
AS38511	<unknown>
AS17995	PT iForte Global Internet
AS18004	PT WIRELESS INDONESIA (WIN)
AS45287	Varnion Technology Semesta, PT
AS4761	PT. INDOSAT Tbk
AS4787	PT Cyberindo Aditama
AS136119	<unknown>
AS38320	PT Maxindo Mitra Solusi
AS17996	PT Global Prima Utama
AS140401	PT Proxi Jaringan Nusantara
AS136088	PT. Araz Inti Line
AS9326	PT Centrin Utama
AS131111	PT Mora Telematika Indonesia

ASN	Internet Service Provider (ISP)
AS4800	PT Aplikanusa Lintasarta
AS9341	PT Indonesia Comnets Plus
AS55687	Universitas Tanjungpura
AS17538	PT. Circlecom Nusantara Indonesia
AS139968	Kementerian Riset dan Teknologi / Badan Riset dan Inovasi Nasional
AS142369	PT Mega Data Akses
AS24207	PT NettoCyber Indonesia
AS136873	PT. MEGA ARTHA LINTAS DATA
AS21859	Zenlayer Inc
AS23679	Media Antar Nusa PT.
AS140018	PT. CYBER TEKNOLOGI PUTRAWAN
AS131775	PT. Jupiter Jala Arta
AS139988	PT. GARUDA PRIMA INTERNETINDO
AS139447	PT Transportasi Jakarta
AS142370	PT Master Star Network
AS142341	PT Alfa Omega Interkoneksi
AS58819	PT Arsenet Global Solusi
AS38506	PT Pika Media Komunika
AS63885	PT Inovasi Tjaraka Buana
AS137329	PT. ARTHA LINTAS DATA MANDIRI
AS45701	Internet Madju Abad Millenindo, PT
AS46065	PT Indonesia Comnets Plus
AS141134	PT Vissie Cyber Data
AS55664	PT Inovasi Global Mumpuni
AS136055	PT Queen Network Nusantara
AS136879	PT. Media Jaringan Indonesia
AS9422	PT SOLNET INDONESIA
AS23953	PT ARTHA TELEKOMINDO
AS137324	PT Metrocom Indonesia
AS133800	<unknown>
AS141107	PT Linkgo Metro Teknologi
AS139941	RIYAD NETWORK
AS17670	PT. MNC Kabel Mediacom
AS38758	PT. HIPERNET INDODATA
AS23951	PT JEMBATAN CITRA NUSANTARA
AS24212	PT. JASNITA TELEKOMINDO

ASN	Internet Service Provider (ISP)
AS141920	PT Andal Berjaya Infomedia
AS136052	PT Cloud Hosting Indonesia
AS24532	PT. Inet Global Indo
AS140443	PT Herza Digital Indonesia
AS139428	PT.LEXXA DATA INDONUSA
AS9905	Linknet ASN
AS140469	PT Wahyu Adidaya Network
AS142394	PT Cahaya Solusindo Internusa
AS38515	GRAHAMEDIA INFORMASI, PT.
AS141642	PT Ring Media Nusantara
AS138142	Institut Informatika & Bisnis Darmajaya
AS141077	RSTNET
AS134451	NewMedia Express Pte Ltd
AS142368	PT Global Data Akses Persada
AS139989	CV Atha Media Prima
AS132641	PT Netciti Persada
AS45298	INTERLINK TECHNOLOGY, PT
AS139390	PT Langit Mandiri Sukses
AS142346	PT Bumi Manusia Network
AS147171	Badan Riset dan Inovasi Nasional
AS55674	Universitas Negeri Yogyakarta
AS149736	PT Satria Digital Media
AS14593	Space Exploration Technologies Corporation
AS142354	PT Superspace Teknologi Indonesia
AS139994	PT XL Axiata Tbk
AS46023	PT Quantum Tera Network
AS133354	PT Anugerah Karunia Perkasa Abadi
AS23696	PT Asia Utama.
AS141960	PT Pelangi Communication Network
AS149344	PT Dhoho Mitra Abadi
AS150517	
AS38331	Institut Teknologi Sepuluh Nopember
AS133827	UNIVERSITAS ISLAM INDONESIA
AS138833	PT Andi Internet Globalindo
AS142364	PT Subnet Data Nusantara
AS45305	Lintas Data Prima, PT

ASN	Internet Service Provider (ISP)
AS138810	PT Global Media Pratama Solusindo
AS38482	BIZNET
AS24521	PT. DATA Utama Dinamika
AS136093	PT Mitra Lintas Multimedia
AS45722	Widya Intersat Nusantara, PT
AS63878	PT Victory Network Indonesia
AS63874	PT Bosowa Network Media
AS141957	PT Lancar Jaya Network
AS58821	PT Lintas Jaringan Nusantara
AS138873	PT GREEN NET INDONESIA
AS149893	PT Sima Bahtera Utama
AS138871	PT. Trans Indonesia Superkoridor
AS55699	PT. Cemerlang Multimedia
AS4796	Institute of Technology Bandung
AS132637	PT BINA INFORMATIKA SOLUSI
AS140446	PT Kingpolah Network Solutions
AS9228	PT. Total Info Kharisma
AS149359	PT Persada Data Multimedia
AS59139	PT Wifiku Indonesia
AS147078	PT Serayu Multi Connection
AS138089	PT.Global Media Data Prima
AS142363	RSUP Prof Kandou
AS133357	TELKOM UNIVERSITY
AS64300	PT JARINGANKU SARANA NUSANTARA
AS141607	PT Gayatri Lintas Nusantara
AS139997	PT Wortel

Annex III: Glossary

DNS	<p>DNS stands for “Domain Name System” and it maps domain names to IP addresses.</p> <p>A domain is a name that is commonly attributed to websites when they’re created. It allows websites to be more easily accessed and remembered. For example, twitter.com is the domain of the Twitter website.</p>
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	<p>However, computers can't connect to internet services through domain names. They do so through IP addresses: the digital address of each service on the internet. Similarly, in the physical world, you would need the address of a house (rather than the name of the house itself) in order to visit it.</p> <p>The Domain Name System (DNS) is responsible for transforming a human-readable domain name (such as ooni.org) into its numerical IP address counterpart (in this case:104.198.14.52), thus allowing your computer to access the intended website.</p>
HTTP	<p>The Hypertext Transfer Protocol (HTTP) is the underlying protocol used by the World Wide Web to transfer or exchange data across the internet.</p> <p>The HTTP protocol allows communication between a client and a server. It does so by handling a client's request to connect to a server and the server's response to the client's request.</p> <p>All websites include an HTTP or HTTPS prefix (such as http://example.com/) so that your computer (the client) can request and receive the content of a website (hosted on a server).</p> <p>The transmission of data over the HTTP protocol is unencrypted.</p>
Heuristics	<p>Heuristics obtain further confirmed blockings other than those which are detected based on OONI blocking fingerprints. More detailed explanation is found here.</p>
ISP	<p>An Internet Service Provider (ISP) is an organisation that provides services for accessing and using the internet.</p> <p>ISPs can be state-owned, commercial, community-owned, non-profit, or otherwise privately owned.</p> <p>Vodafone, AT&T, Airtel, and MTN are examples of ISPs.</p>
Middle boxes	<p>A middlebox is a computer networking device that transforms, inspects, filters, or otherwise manipulates traffic for purposes other than packet forwarding.</p> <p>Many Internet Service Providers (ISPs) around the world use middleboxes to improve network performance, provide users with faster access to websites, and for a number of other networking purposes.</p> <p>Middleboxes are sometimes also used to implement internet censorship and/or surveillance.</p> <p>The OONI Probe app includes two tests designed to measure networks with the aim of identifying the presence of middleboxes.</p>
TCP	<p>The Transmission Control Protocol (TCP) is one of the main protocols on the internet.</p>

	<p>To connect to a website, your computer needs to establish a TCP connection to the address of that website.</p> <p>TCP works on top of the Internet Protocol (IP), which defines how to address computers on the internet.</p> <p>When speaking to a machine over the TCP protocol you use an IP and port pair, which looks something like this: 10.20.1.1:8080.</p> <p>The main difference between TCP and (another very popular protocol called) UDP is that TCP has the notion of a “connection”, making it a “reliable” transport protocol.</p>
TLS	<p>Transport Layer Security (TLS) – also referred to as SSL – is a cryptographic protocol that allows you to maintain a secure, encrypted connection between your computer and an internet service.</p> <p>When you connect to a website through TLS, the address of the website will begin with HTTPS (such as https://www.facebook.com/), instead of HTTP.</p>

A comprehensive glossary related to OONI can be accessed here: <https://ooni.org/support/glossary/>.

Annex IV: Methodology

Data

Data computed based on the heuristics for this report can be downloaded here: <https://github.com/Sinar/imap-data>, whereas aggregated data can be downloaded from [OONI Explorer](#).

Coverage

The iMAP State of Internet Censorship Country Report covers the findings of network measurements collected through the Open Observatory of Network Interference (OONI) [OONI Probe App](#) that measures the blocking of websites, instant messaging apps, circumvention tools, and network tampering. The findings highlight the websites, instant messaging apps, and circumvention tools confirmed to be blocked, as well as ASNs with censorship detected and the methods of network interference applied. The report also provides background context on the network landscape combined with the latest legal, social, and political issues and events, which might have affected the implementation of internet censorship in the country.

In terms of timeline, this iMAP report covers measurements obtained in the one-year period from 1 July 2022 to 30 June 2023. The countries covered in this round are Cambodia, Hong Kong, Indonesia, Malaysia, Myanmar, Philippines, Thailand, Vietnam, Timor Leste, and India.

How are the network measurements gathered?

Network measurements are gathered through the use of the [OONI Probe app](#), a free software tool developed by the [Open Observatory of Network Interference \(OONI\)](#). To learn more about how the OONI Probe test works, please visit <https://ooni.org/nettest/>.

iMAP Country Researchers and anonymous volunteers run the OONI Probe app to examine the accessibility of websites included in the [Citizen Lab test lists](#). iMAP Country Researchers actively review the country-specific test lists to ensure up-to-date websites are included and context-relevant websites are properly categorised, in consultation with local communities and digital rights network partners. We adopt the [approach taken by Netalitica](#) in reviewing country-specific test lists.

It is important to note that the findings are only applicable to the websites that were examined and do not fully reflect all instances of censorship that might have occurred during the testing period.

How are the network measurements analysed?

OONI processes the following types of data through its [data pipeline](#):

Country code

By default, OONI collects the code corresponding to the country from which the user is running OONI Probe tests from. It does so by automatically searching for it based on the user's IP address through their [ASN database](#) and the [MaxMind GeolIP database](#).

Autonomous System Number (ASN)

By default, OONI collects the Autonomous System Number (ASN) of the network used to run the OONI Probe app, thereby revealing the network provider of a user.

Date and time of measurements

By default, OONI collects the time and date of when tests were run in order to determine when network interferences occur and to allow for comparison across time. The time and date data uses UTC as the standard time zone. In addition, the charts generated on OONI MAT exclude measurements on the last day by default.

Categories

The 32 website categories are based on the Citizenlab test lists: <https://github.com/citizenlab/test-lists>. As not all websites tested on OONI are on these test lists, some websites would have unclassified categories.

No.	Category Description	Code	Description
1	Alcohol & Drugs	ALDR	Sites devoted to the use, paraphernalia, and sale of drugs and alcohol irrespective of the local legality.
2	Religion	REL	Sites devoted to discussion of religious issues, both supportive and critical, as well as discussion of minority religious groups.
3	Pornography	PORN	Hard-core and soft-core pornography.
4	Provocative Attire	PROV	Websites which show provocative attire and portray women in a sexual manner, wearing minimal clothing.
5	Political Criticism	POLR	Content that offers critical political viewpoints. Includes critical authors and bloggers, as well as oppositional political organisations. Includes pro-democracy content, anti-corruption content as well as content calling for changes in leadership, governance issues, legal reform. Etc.

No.	Category Description	Code	Description
6	Human Rights Issues	HUMR	Sites dedicated to discussing human rights issues in various forms, including women's rights and rights of minority ethnic groups.
7	Environment	ENV	Pollution, international environmental treaties, deforestation, environmental justice, disasters, etc.
8	Terrorism and Militants	MILX	Sites promoting terrorism, violent militant or separatist movements.
9	Hate Speech	HATE	Content that disparages particular groups or persons based on race, sex, sexuality or other characteristics
10	News Media	NEWS	This category includes major news outlets (BBC, CNN, etc.) as well as regional news outlets and independent media.
11	Sex Education	XED	Includes contraception, abstinence, STDs, healthy sexuality, teen pregnancy, rape prevention, abortion, sexual rights, and sexual health services.
12	Public Health	PUBH	HIV, SARS, bird flu, centres for disease control, World Health Organization, etc.
13	Gambling	GMB	Online gambling sites. Includes casino games, sports betting, etc.
14	Anonymization and circumvention tools	ANON	Sites that provide tools used for anonymization, circumvention, proxy-services and encryption.
15	Online Dating	DATE	Online dating services which can be used to meet people, post profiles, chat, etc.
16	Social Networking	GRP	Social networking tools and platforms.
17	LGBT	LGBT	A range of gay-lesbian-bisexual-transgender queer issues (excluding pornography).
18	File-sharing	FILE	Sites and tools used to share files, including cloud-based file storage, torrents, and P2P file-sharing tools.
19	Hacking Tools	HACK	Sites dedicated to computer security, including news and tools. This includes malicious and non-malicious content.

No.	Category Description	Code	Description
20	Communication Tools	COMT	Sites and tools for individual and group communications. This includes webmail, VoIP, instant messaging, chat, and mobile messaging applications.
21	Media sharing	MMED	Video, audio, or photo sharing platforms.
22	Hosting and Blogging Platforms	HOST	Web hosting services, blogging, and other online publishing platforms.
23	Search Engines	SRCH	Search engines and portals.
24	Gaming	GAME	Online games and gaming platforms, excluding gambling sites.
25	Culture	CULTR	Content relating to entertainment, history, literature, music, film, books, satire, and humour.
26	Economics	ECON	General economic development and poverty related topics, agencies, and funding opportunities.
27	Government	GOVT	Government-run websites, including military sites.
28	E-commerce	COMM	Websites of commercial services and products.
29	Control content	CTRL	Benign or innocuous content used as a control.
30	Intergovernmental Organisations	IGO	Websites of intergovernmental organisations such as the United Nations.
31	Miscellaneous content	MISC	Sites that don't fit in any category (XXX Things in here should be categorised).

IP addresses and other information

OONI does not collect or store users' IP addresses deliberately. To protect its users from [potential risks](#), OONI takes measures to remove IP addresses from the collected measurements. However, there may be instances where users' IP addresses and other potentially personally-identifiable information are unintentionally collected, if such information is included in the HTTP headers or other metadata of measurements. For example, this can occur if the tested websites include tracking technologies or custom content based on a user's network location.

Network measurements

The types of network measurements that OONI collects depend on the types of tests that are run. Specifications about each OONI test can be viewed through its [git repository](#), and details about what collected network measurements entail can be viewed through [OOONI Explorer](#) or through [OOONI's measurement API](#).

In order to derive meaning from the measurements collected, OONI processes the data types mentioned above to answer the following questions:

- Which types of OONI tests were run?
- In which countries were those tests run?
- On which networks were those tests run?
- When were the tests run?
- What types of network interference occurred?
- In which countries did network interference occur?
- In which networks did network interference occur?
- When did network interference occur?
- How did network interference occur?

To answer such questions, OONI's pipeline is designed to answer such questions by processing network measurement data to enable the following:

- Attributing measurements to a specific country.
- Attributing measurements to a specific network within a country.
- Distinguishing measurements based on the specific tests that were run for their collection.
- Distinguishing between “normal” and “anomalous” measurements (the latter indicating that a form of network tampering is likely present).
- Identifying the type of network interference based on a set of heuristics for DNS tampering, TCP/IP blocking, and HTTP blocking.
- Identifying block pages based on a set of heuristics for HTTP blocking.
- Identifying the presence of “middle boxes” within tested networks.

According to OONI, false positives may occur within the processed data due to a number of reasons. DNS resolvers (operated by Google or a local ISP) often provide users with IP addresses that are closest to them geographically. While this may appear to be a case of DNS tampering, it is actually done with the intention of providing users with faster access to websites. Similarly, false positives may emerge when tested websites serve different content depending on the country that the user is connecting from or when websites return failures even though they are not tampered with.

Furthermore, measurements indicating HTTP or TCP/IP blocking might actually be due to temporary HTTP or TCP/IP failures; they may not conclusively be a sign of network interference. It is therefore important to test the same sets of websites across time and to cross-correlate data before reaching a conclusion on whether websites are in fact being blocked.

Since block pages differ from country to country and sometimes even from network to network, it is quite challenging to accurately identify them. OONI uses a series of heuristics to try to guess if the page in question differs from the expected control, but these heuristics can often result in false positives. For this reason, OONI only confirms an instance of blocking when a block page is detected.

Upon the collection of more network measurements, OONI continues to develop its data analysis heuristics, based on which it attempts to accurately identify censorship events.

The full list of country-specific test lists containing confirmed blocked websites in Myanmar, Cambodia, Hong Kong, Indonesia, Malaysia, Philippines, Thailand, and Vietnam can be viewed here: <https://github.com/citizenlab/test-lists>.

Verifying OONI measurements

Confirmed blocked OONI measurements were based on fingerprints recorded here: <https://github.com/ooni/blocking-fingerprints>. These fingerprints are based on either DNS or HTTP blocking. The fingerprints recorded as confirmed blockings are either those implemented nationally or by ISPs.

Hence, the heuristics below were run on raw measurements for all countries under iMAP to further confirm blockings.

Firstly, IP addresses with more than 10 domains were identified. Then, each IP address was checked for the following:

Does the IP in question point to a government blockpage?				
Yes	No, page timed out or shows Content Delivery Network (CDN) page.			
↓	↓			
Confirmed blocking	What information can we get about the IP by doing a whois lookup?			
	Government or Local ISP*	CDN / Private IP		
	↓	↓		
	Confirmed blocking	Do we get a valid TLS certificate for one of the domains in question when doing a TLS handshake and specifying the SNI?		
		Yes	No, there were blocking fingerprints found.	No, timed out.
		↓	↓	↓
		False positive	Confirmed blocking	Sampled measurement is analysed on OONI Explorer.

*Note: In the case of India, there was [evidence](#) of popular websites hosting their site on the ISPs network for quicker loading times as the ISPs sometimes offer such edge networking services. Hence, websites redirected to local websites are only marked as 'Potentially Blocked'.

When blocking is determined, any domain redirected to these IP addresses will be marked as "dns.confirmed".

Secondly, HTTP titles and bodies were analysed to determine blockpages. This [example](#) shows that the HTTP returns the text “The URL has been blocked as per the instructions of the DoT in compliance to the orders of Court of Law”. Any domain redirected to these HTTP titles and bodies would be marked as “http.confirmed”.

As a result, false positives are eliminated and more confirmed blockings were obtained including countries like Cambodia, Vietnam and Philippines which have no confirmed blocking fingerprints on OONI.

In the case of Hong Kong, the results of the heuristics showed external censorship from outside of the country instead of local censorship. Thus, the local researchers had analysed the OONI measurements manually to identify confirmed blockings. The domains identified were based on the timed-out instances.